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ArcSight SmartConnectors

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Configuration Guide for Microsoft Windows Event Log - Native SmartConnector

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- Software Version number
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Configuration Guide for Microsoft Windows Event Log - Native SmartConnector

ArcSight SmartConnectors intelligently collect a large amount of heterogeneous raw event data from security devices in an enterprise network, process the data into ArcSight security events, and transport data to destination devices.

To collect events from Microsoft Windows OS, use the ArcSight SmartConnector for Windows Event Log - Native (WiNC), which supports event collection from log sources such as Sysmon, Powershell etc.,

This guide provides a high level overview of WiNC. For supported installation platforms and log sources, see Technical Requirements.

Intended Audience

This guide provides information for IT administrators who are responsible for managing the ArcSight software and its environment.

Additional Documentation

The ArcSight SmartConnector documentation library includes the following resources:

- Technical Requirements Guide for SmartConnector, which provides information about operating system, appliance, browser, and other support details for SmartConnector.
- Installation and User Guide for SmartConnectors, which provides detailed information about installing SmartConnectors.
- Configuration Guides for ArcSight SmartConnectors, which provides information about configuring SmartConnectors to collect events from different sources.
- Configuration Guide for SmartConnector Load Balancer, which provides detailed information about installing Load Balancer.

For the most recent version of this guide and other ArcSight SmartConnector documentation resources, visit the documentation site for ArcSight SmartConnectors 8.4.

Contact Information

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Product Overview

Windows event logs record details related to the system, security, and application stored on a Windows operating system. They contain information about hardware and software events occurring on a Windows operating system and can be monitored to track system and some application issues or forecast any potential issues.

Windows event logs are stored in a standard format and consists of the following are the main elements:

- **Log name:** Name of the event log to which events from different logging components will be written such as system, security, and applications
- **Event date/time:** The date and time of the occurrence of event.
- **Task category:** The type of recorded event log.
- **Event ID:** A unique identifier for a specific logged event.
- **Source:** Name of the program or software , which generated the event log.
- **Level:** The severity level of the recorded event log, namely, Information, Error, Verbose, Warning, and Critical.
- **User:** Name of the user who logged onto the Windows computer when the event occurred.
- **Computer:** Name of the computer logging the event.

Event Log Categories

The Windows Event logs are classified into the following categories:

System Log: System logs contain events related to the system and its components such as failure to load the boot-start driver.

Application Log: Application logs contain events related to a software or an application hosted on a Windows computer such as failure to start Microsoft Word.

Security Log: Security logs contain events related to the safety of the system such as failed login attempts or file deletions that get recorded by using the Windows auditing process.

Setup Logs: Setup logs contain events that occur during the installation of the Windows operating system. On domain controllers, this logs also record events related to Active Directory.

Forwarded Event Logs: Forwarded event Logs contain event logs forwarded from other computers in the same network.

WiNC Features

The SmartConnector for Microsoft Windows Event Log – Native connects to local or remote machines inside a single domain or from multiple domains, to retrieve events from all types of event logs.

SmartConnectors collect real-time events, process, enrich data and improve efficiency. Data enrichment activities include normalization, categorization, Common Event Format (CEF), aggregation, and filtering. For information about SmartConnector capabilities in general, see SmartConnector Features.

The infrastructure provided with the SmartConnector for Microsoft Windows Event Log – Native is capable of delivering critical features, such as Operational Windows Event Logs and event collection and event filtering from IPv6 hosts. It leverages the native technology on the Microsoft platform and provides the best support for Windows event features and capabilities (including collection for all log types).

The SmartConnector for Microsoft Windows Event Log – Native consists of the following major components:

- SmartConnector framework-based event processor.
- The Windows API application, which collects events from Microsoft Windows Event Logs.
- The Message Queue, which facilitates communication between the previous two components.

The Windows API event collection and the Message Queue components are started by the Connector at the time of Connector setup and at the start of the Connector process.

The security events are not audited by default. You must specify the type of security events to be audited.

Specific features of the Windows Event Log – Native connector are described in the following sections.

Custom Log Support

Supports event collection from non-administrative, operational, or custom logs.

Event Filtering

Supports filters that apply during event collection from the event source to the Connector. This enables you to filter unwanted events.

Globally Unique Identifier (GUID)

Supports translation and mapping of GUID (also known as UUID) within a forest (A forest is a complete instance of Active Directory). The Windows Event Log - Native SmartConnector can perform translation for GUIDs within a forest by querying the Global Catalog Server. The Global Catalog Server and Active Directory must be on the same machine. The Active Directory parameters are used for Global Catalog Server. The Connector is not configured to translate GUIDs by default. For more information about enabling GUID translation, see "Advanced Configuration Parameters for SID and GUID Translation".

Host Browsing

Host browsing is used when hosts are added during installation by using Active Directory. Notification is sent to a destination when a new host is added to Active Directory.

IPv6

Supports event collection from IPv6 hosts and parsing of IPv6 events.

Localization

The Microsoft Windows Event Log - Native Connector supports security event localization for the following languages:

Language	Locale	Encoding
French	fr_CA	UTF-8
Japanese	ja_JP	Shift_JIS
Chinese Simplified	zh_CN	GB2312
Chinese Traditional	zh_TW	Big5

You can specify the locale and encoding for the `event.name` field during SmartConnector installation. See Configuring Multiple Host Parameters . For localization of other languages, see Customizing Localization Support for the Native Connector.

Collect Forwarded Events

The Connector reads events forwarded to a Windows Event Collector (WEC) host. WEC is a Microsoft capability that allows Windows host to collect events from multiple sources. Collecting forwarded events is different than traditional event collection, because the events are collected from multiple sources. For information about WEC functionality, refer to Microsoft Windows documentation.

To configure the Connector to collect forwarded events, see Collecting Forwarded Events.

Supported Log Sources

Log Sources	Type of Logs	Event Mappings
Microsoft Active Directory	Application	Event Mappings for Microsoft Active Directory Logs
Microsoft ADFS	Security	Event Mappings for Microsoft ADFS Logs
Microsoft Antimalware	System	Event Mappings for Microsoft Antimalware Logs
Microsoft DNS Server Analytics	System	Event Mappings for Microsoft DNS Server Analytics Logs
Microsoft Exchange Mailbox Access Auditing	Application	Event Mappings for Microsoft Exchange Mailbox Access Auditing Logs
Microsoft Exchange Mailbox Store	Application	Event Mappings for Microsoft Exchange Mailbox Store Logs
Microsoft Forefront Protection	Applications	Event Mappings for Microsoft Forefront Protection Logs
Microsoft Local Admin Password Solution	System	Event Mappings for Microsoft Local Admin Password Solution Logs

Log Sources	Type of Logs	Event Mappings
Microsoft Netlogon	System	Event Mappings for Microsoft Netlogon Logs
Microsoft Network Policy Server	System	Event Mappings for Microsoft Network Policy Server Logs
Microsoft Remote Access	System	Event Mappings for Microsoft Remote Access Logs
Microsoft Service Control Manager	System	Event Mappings for Microsoft Service Control Manager Logs
Microsoft SQL Server Audit Application	Application	Event Mappings for Microsoft SQL Server Audit Application Logs
Microsoft Sysmon	Custom	Event Mappings for Microsoft Sysmon Logs
Microsoft Windows AppLocker	System	Event Mappings for Microsoft Windows AppLocker Logs
Microsoft Windows BITS Client	Custom	Event Mappings for Microsoft Windows BITS Client Logs
Microsoft Windows Defender Antivirus	System	Event Mappings for Microsoft Windows Defender Antivirus Logs
Microsoft Windows ESENT	Application	Event Mappings for Microsoft Windows ESENT Logs
Microsoft Windows Event	System Security	Event Mappings for Microsoft Windows Event Logs
Microsoft Windows Hyper V	System Security	Event Mappings for Microsoft Windows Hyper V
Microsoft Windows Powershell	Application	Event Mappings for Microsoft Windows Powershell Logs

Log Sources	Type of Logs	Event Mappings
Microsoft Windows Update Client	System	Event Mappings for Microsoft Windows Update Client Logs
Microsoft Windows WINS Server	System	Event Mappings for Microsoft Windows WINS Server
Microsoft Windows WMI Activity Trace	Custom	Event Mappings for Microsoft Windows WMI Activity Trace Logs
Microsoft Windows WMI Analytic and Operational	System	Event Mappings for Microsoft Windows WMI Analytic and Operational Logs
Oracle Audit	Custom	Event Mappings for Oracle Audit
Symantec Mail Security for Exchange	Application	Symantec Mail Security for Exchange Server Logs

Configuring Windows

You must enable the appropriate auditing policies on Windows servers from which the connector collects information and also setup standard user accounts. This section has the following information:

Enabling Microsoft Windows Event Log Audit Policies

Because event information generated by Windows servers is based on the auditing policies that are enabled, make sure that appropriate auditing policies are enabled on Windows servers from which the connectors collect information.

Auditing events consumes system resources such as memory, processing power, and disk space. Auditing an excessive number of events can dramatically slow down your servers.

Note: You must be logged in as an administrator or a member of the Administrators group to set up audit policies. If your computer is connected to a network, network policy settings might also prevent you from setting up audit policies.

The method used to create an audit policy varies depending on whether the policy is being created on a member server, a domain controller, or a stand-alone server.

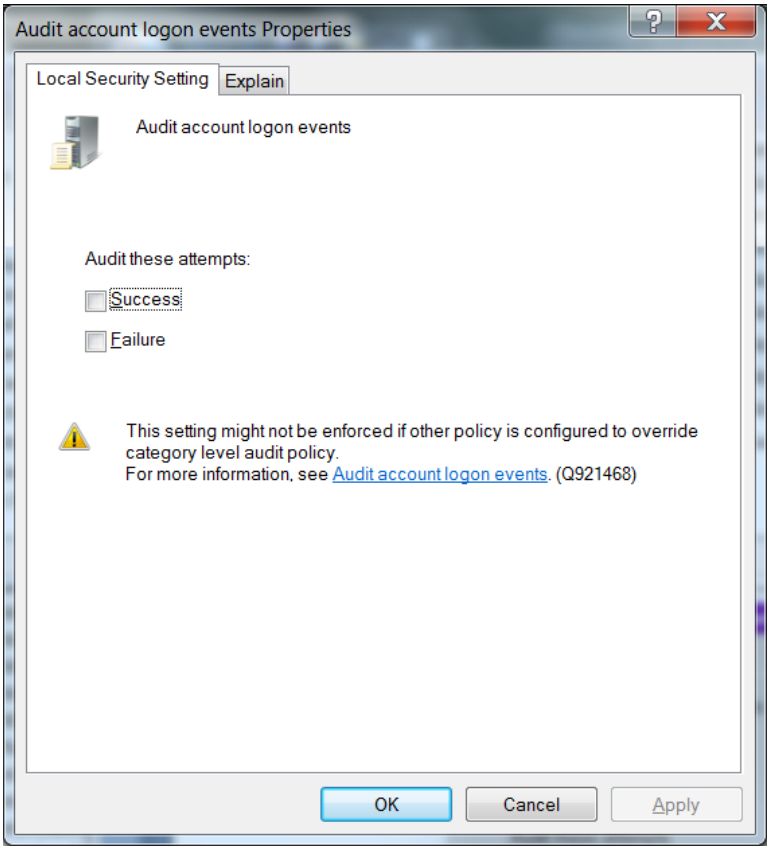
- To configure a domain controller, member server, or workstation, use **Active Directory Users and Computers**.
- To configure a system that does not participate in a domain, use **Local Security Settings**.

This section has the following information:

Enabling an Auditing Policy on a Local System

To establish an audit policy on a local system:

1. Select **Start > Control Panel > Administrative Tools > Local Security Policy**.
2. Double-click on **Local Policy** in the **Security Settings** tree to expand it.
3. Select **Audit Policy** from the tree. Doing so reveals the auditing information for that system.
4. To enable auditing for any of the areas, double-click on the type of audit. A dialog box similar to the following is displayed, letting you choose to perform a **Success** or a **Failure** audit (or both) on that type of event.



Note: To audit objects such as the Registry, printers, files, or folders, select the Object Access option. Otherwise, when you attempt to enable auditing for these objects, an error is displayed instructing you to make the necessary adjustments to the local audit policy (or, in the case of a domain environment, to the domain audit policy).

After you have enabled auditing, go through the system and fine-tune the type of events that will be audited in each category.

Setting Up an Audit Policy Within a Domain

To set up an audit policy for a domain controller:

1. Choose **Start > Programs > Administrative Tools > Active Directory Users and Computers**.
2. Navigate through the console tree to the domain you want to work with. Expand the domain.
3. Beneath the domain, you will see a **Computers** object and a **Domain Controllers** object. Select the appropriate object for your system and right-click on **Domain Controllers**. The Domain Controller's properties sheet is displayed.
4. Select the **Group Policy** tab. Select the group policy to which you want to apply the audit policy and click **Edit**.
5. Navigate through the tree to **Default Domain Controllers Policy > Computer Configuration > Windows Settings > Security Settings Local Policies > Audit Policy**.
6. When you select **Audit Policy**, a list of audit events is displayed in the right pane. To audit a group of events, double-click on the group; a dialog box is displayed that lets you enable **Success**, **Failure**, or both audits for that group of events.

After enabling auditing for a group of events, fine-tune the exact events you want to audit.

Setting Up an Audit Policy for a Domain

To set up auditing for all computers under a domain:

1. Click **Start > Administrative Tools > Domain Security Policy**.
2. Open **Default Domain Security Settings**.
3. Expand **Security Settings** if it is not already open.
4. Expand **Local Policy** and double-click on **Audit Policy**. A list of audit events is displayed in the right pane.

5. To audit a group of events, double-click on the group; a dialog box is displayed that lets you enable **Success**, **Failure**, or both audits for that group of events.

Setting Up Standard User Accounts

The connector does not require domain administrator privileges to collect Security events from Windows hosts. Event Log Reader privilege is required for system and custom application event collection including Forwarded Events Collection.

To configure the SmartConnector for Microsoft Windows Event Log – Native to use a Standard User account to collect Security events only from the target hosts, follow the steps provided in the following sections.

These steps describe how to configure and assign the privileges by creating a single user account such as **arcsight**. You can also create a group of users instead and follow the same steps provided for the configuration, assigning all the minimum privileges to the user group instead of the single user.

Note: Sometimes, although we have assigned appropriate privileges to the standard user, there could be other policies in your environment preventing the user account from accessing the security event logs. You can start identifying this problem by checking **Settings > Control Panel > Administrative Tools > Local Security Policy > Security Settings > Local Policies > Security** options. There are many security policies defined that would require investigation; however, one policy to check right away is the **Network Access: Sharing and security model for local accounts**. Make sure this is set to **Classic – local users authenticate as themselves**.

Standard Domain User Account from Windows Server Domain Controllers

On the Windows Server Domain Controller:

1. Go to **Settings > Control Panel > Administrative Tools > Active Directory Users and Computers > *<Domain of interest>* > Users**.
2. Create a new **Domain User**, such as `arcsight`.
3. Go to **Settings > Control Panel > Administrative Tools > Active Directory Users and Computers > <Domain of interest> > Builtin**.
4. Open the properties of the security principal **Event Log Readers**.
5. From the **Members** tab, add the new Domain User `arcsight` to this security principal.

6. This Group Policy can take some time to take effect. To enable the policy immediately, run this command from the Windows Server Domain Controller and the Windows Domain Member command prompts:

   ```
   GPUpdate /Force
   ```

   This command will update any modifications you have made to any group policy, not just this one.

Standard Domain User Account from Domain Members

On the Windows Server Domain Controller:

1. Go to **Settings > Control Panel > Administrative Tools > Active Directory Users and Computers > <Domain of interest> > Users**.
2. Create a new Domain User, such as `arcsight`.
3. Go to **Settings > Control Panel > Administrative Tools > Group Policy Management > Default Domain Policy > Computer Configuration > Policies > Windows Settings > Security Settings > Local Policies > User Rights Assignment**.
4. Open the **Manage auditing and security log** policy.
5. Enable **Define these Policy Settings** and add this new Domain User `arcsight` to this policy.
6. This Group Policy can take some time to take effect. To enable the policy immediately, run this command from the Windows Server Domain Controller and the Windows Domain Member command prompts:

   ```
   GPUpdate /Force
   ```

Note: This command will update modifications to any group policy you have made, not just this one

Standard Local User Account from Windows Workgroup Hosts

On the Windows Workgroup host:

1. Go to **Settings > Control Panel > Administrative Tools > Computer Management > System Tools > Local Users and Groups > Users**.
2. Create a new **Local User**, such as `arcsight`.
3. Go to **Settings > Control Panel > Administrative Tools > Computer Management > System Tools > Local Users and Groups > Groups**.

4. Open the **Event Log Readers** group and add this new Local User arcsight to this group.
5. Go to **Settings > Control Panel > Administrative Tools > Local Security Policy > Security Settings > Local Policies > Security Options**.
6. Open the **Network access: Sharing and security model** for local accounts policy.
7. Set this policy to the option: **Classic – local users authenticate as themselves**.

Add Security Certifications when Using SSL

If you choose to use SSL as the connection protocol, security certificates for both the Windows Domain Controller Service and for the Active Directory Server are required. Installing a valid certificate on a domain controller permits the LDAP service to listen for, and automatically accept, SSL connections for both LDAP and global catalog traffic.

The certificates will be imported to the connector's certificate store during the connector installation process. See **step 3** of the installation procedure for instructions.

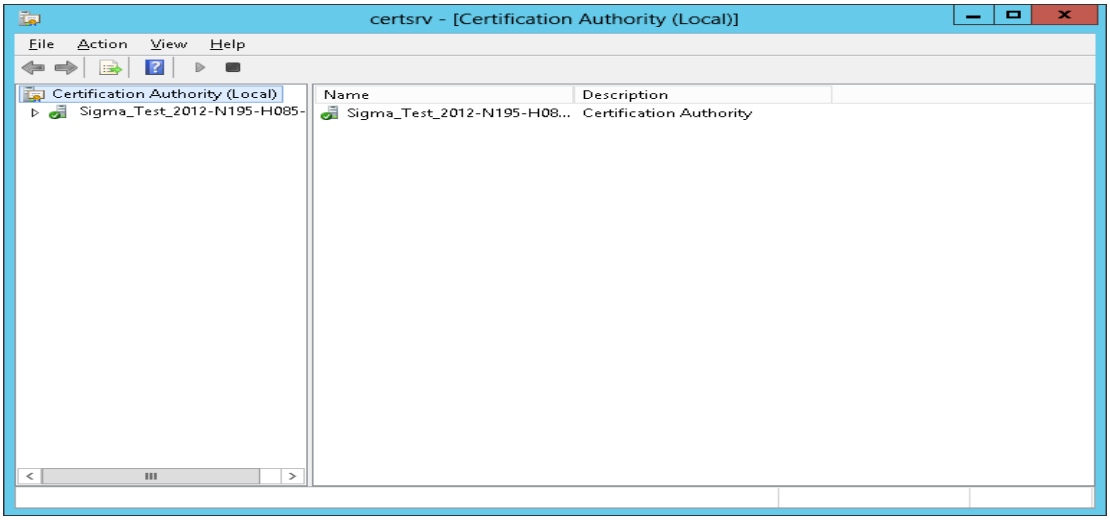
Procedures for Windows 2012 are shown; steps could vary with different Windows versions. For other Windows versions, see Microsoft's documentation for complete information.

Example: Windows Server 2012

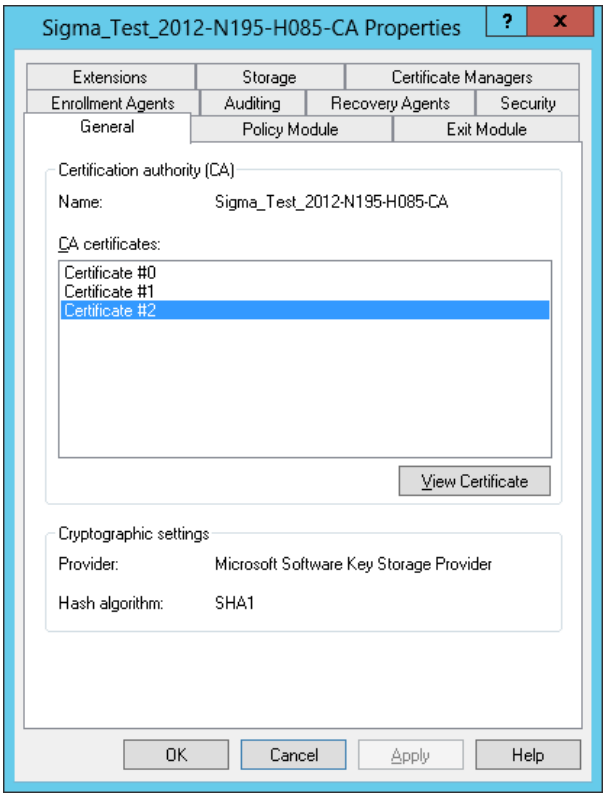
The following steps assume Windows Server 2012 as the operating system:

To export the certificates:

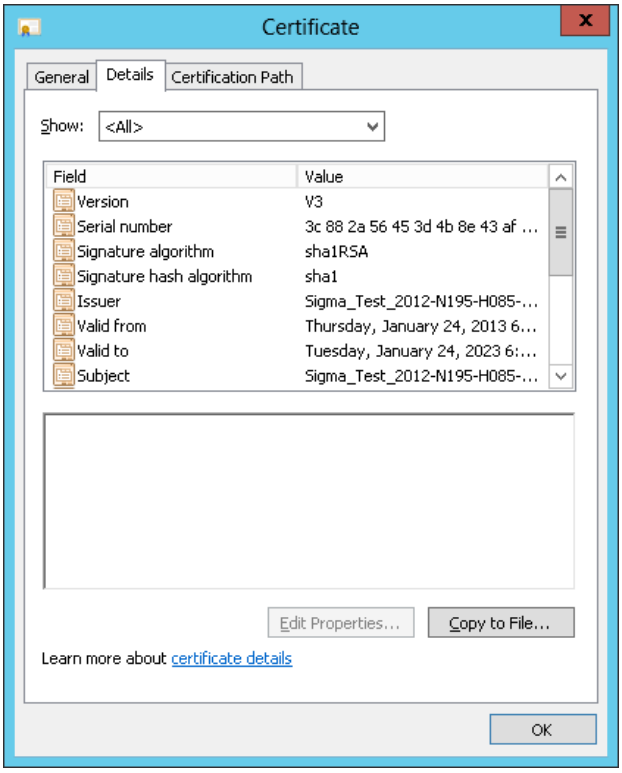
1. From the Windows **Start** menu, select **Administrative Tools**.
2. Select and double-click **Certification Authority**; one or more Domain Certificate Authority servers are shown.



3. Select the Domain Certificate Authority server for the domain to which the Active Directory server belongs, right-click, and select **Properties** to open the **Properties** window.



4. Click **View Certificate**.
5. Click the **Details** tab, and **Copy to File…**



6. Follow the steps in the **Certificate Export Wizard** to complete the export.

Enabling FIPS at the OS Level

1. From the Windows **Start** menu, select **Run**.
2. Enter `gpedit.msc`.
3. In the Group Policy Editor, navigate to **Computer Configuration > Windows Settings > Security Settings > Local Policies > Security Options**.
4. In the right pane, locate and click the “System cryptography: Use FIPS compliant5 algorithms for encryption, hashing, and signing” setting.
5. Set to **Enabled** and click **OK**.
6. Restart the computer.

Event Mappings to ArcSight Fields

This section provides information about event mappings to ArcSight fields:

Microsoft Active Directory

Microsoft Active Directory, an essential component of the Windows architecture, presents organizations with a directory service designed for distributed computing environments. Active Directory lets organizations centrally manage and share information on network resources and users while acting as the central authority for network security.

When you use Windows auditing, you can track both user activities and Windows activities. When you use auditing, you can specify which events are written to the Security log. For example, the Security log can maintain a record of both valid and invalid logon attempts and events that relate to creating, opening, or deleting files or other objects.

When you audit Active Directory events, Windows writes an event to the Security log on the domain controller. For example, if a user attempts to log on to the domain using a domain user account and the logon attempt is unsuccessful, the event is recorded on the domain controller and not on the computer on which the logon attempt was made. This is because it is the domain controller that made a failed attempt to authenticate. Auditing is turned off by default. An audit policy setting is configured for all domain controllers in the domain.

To enable auditing of Active Directory objects:

1. Configure an audit policy setting for a domain controller.
2. Configure auditing for specific Active Directory Objects.

Configuring an Audit Policy Setting for a Domain Controller

To audit events that occur on domain controllers, configure an audit policy setting that applies to all domain controllers in a non-Local Group Policy object (GPO) for the domain. You can access this policy setting through the Domain Controller's organizational unit. To audit user access to Active Directory objects, configure the Audit Directory Service Access event category in the audit policy setting. Configuration steps might vary depending on the version of Windows operating systems.

When you configure an audit policy setting, you can audit objects, but you cannot specify which object you want to audit.

The computer on which you want to configure an audit policy setting must be granted the Manage Auditing and Security Log user right. By default, Windows grants these rights to the Administrators group.

Note: The files and folders you want to audit must be on Microsoft Windows NT file system (NTFS) volumes.

To configure an audit policy setting for a domain controller:

1. Select **Start** > **Programs** > **Administrative Tools**, and then click **Active Directory Users and Computers**.
2. From the **View** menu, click **Advanced Features**.
3. Right-click **Domain Controllers**, then click **Properties**.
4. Click the **Group Policy** tab, click **Default Domain Controller Policy**, and then click **Edit**.
5. Click **Computer Configuration**, double-click **Windows Settings**, double-click **Security Settings**, double-click **Local Policies**, and then double-click **Audit Policy**.
6. In the right pane, right-click **Audit Directory Services Access**, then click **Security**.
7. Click **Define These Policy Settings**, then select one or both the following check boxes:

   Success: Click to audit successful attempts for the event category
   Failure: Click to audit failed attempts for the event category
8. Right-click any other event category that you want to audit, then click **Security**.
9. Click **OK**.
10. To apply the changes you make to your computer's audit policy setting, you must propagate the policy settings to your computer. To initiate policy propagation, do one of the following:
    - Enter `secedit/refreshpolicy machine_policy` at the command prompt and then restart the computer.
    - Wait for automatic policy propagation, which occurs at regular intervals you can configure. By default policy propagation occurs every eight hours.

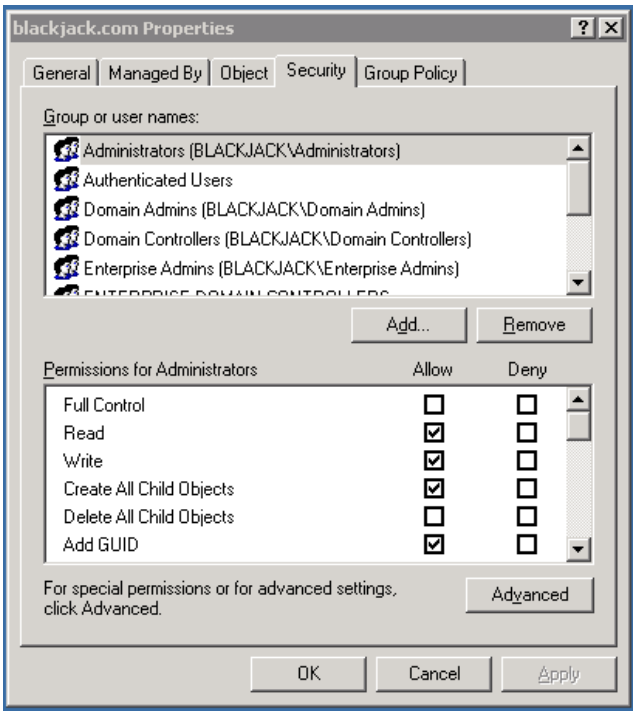
Configuring Auditing for Specific Active Directory Objects

After you configure an audit policy setting, you can configure auditing for specific objects, such as users, computers, organizational units, or groups, by specifying both the types of access and the users whose access you want to audit.

After you specify the events to audit for files, folders, printers, and Active Directory Objects, Windows tracks and logs these events. The configuration steps might depending on the version of Windows operating systems.

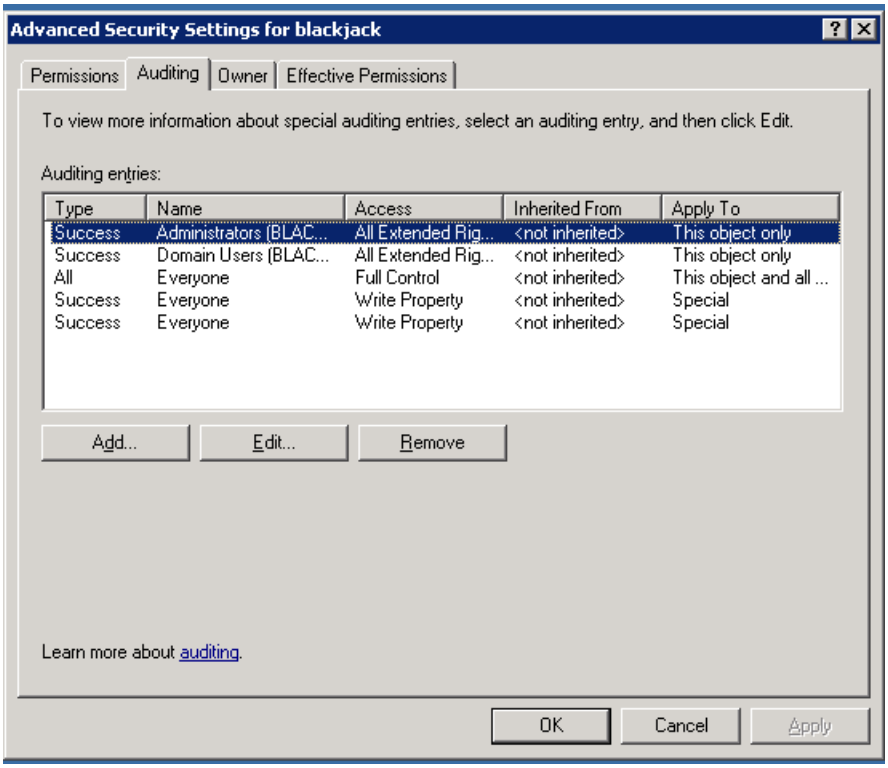
To configure auditing for specific Active Directory objects:

1. Click **Start** > **Programs** > **Administrative Tools**, then click **Active Directory Users and Computers**.
2. Verify that **Advanced Features** is selected on the **View** menu.
3. Right-click the Active Directory object you want to audit (`blackjack.com` in the example) and select **Properties**.



4. Click the **Security** tab, then click the **Advanced** button.

   Advanced Security Settings for the object is displayed.
5. Click the **Auditing** tab.



6. To add an object, click **Add**.
7. Do one of the following:
   - Enter the name of the user or the group whose access you want to audit in the **Enter the object name to select** box, then click **OK**.
   - Browse the list of names and then double-click either the user or the group whose access you want to audit.
8. Click to select either the **Successful** checkbox or the **Failed** checkbox for the actions you want to audit, then click **OK**. Click **OK** on the next two windows to exit.

Microsoft ADFS

Microsoft ADFS is a software component in Windows Server that contains Active Directory, Federation Server, Federation Server Proxy, and ADFS Web Server. ADFS provides the following services:

- **Single Sign-On (SSO)**: ADFS provides SSO authorization to users who want to access applications in different networks or organizations. It provides SSO access to internet-facing applications or services.

- **Identity Federation (Identity Management)**: This provides the digital identity to the users and allows to centralize it. This helps to maintain security and rights across security and enterprise boundaries.

Configuring Microsoft ADFS Logs

For information about configuring Microsoft ADFS events logs, seehttps://adfshelp.microsoft.com/AdfsEventViewer/GetAdfsEventList in the Microsoft TechNet Library.

Microsoft Antimalware

Microsoft Antimalware is a network service. It provides real-time protection capability that helps identify and remove viruses, spyware, and other malicious software, with configurable alerts when known malicious or unwanted software attempts to install itself or run on your system.

The antimalware events are collected from the Windows Event system logs to your storage account. You can configure the storage account for your virtual machine to collect the antimalware events by selecting the appropriate storage account.

Microsoft DNS Server Analytics

Microsoft DNS Server Analytic Logs is a Windows system service and device driver that enables the Microsoft Windows Event Log – Native SmartConnector to monitor and collect the analytic events / logs from the DNS Server.

It provides information about operational events such as dynamic updates, zone transfers, and DNSSEC zone signing and unsigning.

This section provides information about the SmartConnector for Microsoft Windows Event Log – Native: Microsoft DNS Server Analytic Logs and its event mappings to ArcSight data fields.

Configuring Microsoft DNS Server Analytic Logs

For information about configuring Microsoft DNS Logging and Microsoft DNS analytic events logs, see Microsofts DNS Logging and Diagnostics.

Microsoft Exchange Mailbox Access Auditing

Microsoft Exchange Server is the server side of a client-server, collaborative application product developed by Microsoft. It is part of Microsoft's line of server products, used by enterprises using Microsoft infrastructure solutions.

With Exchange Server 2010, Microsoft has added new native audit capabilities, such that the audit logs are maintained in the mailboxes themselves. Being able to get those audit logs is very difficult due to the potential number of mailboxes and the vast amount of data they might contain, and Windows Event Log integration for this will not work.

Therefore, for Microsoft Exchange 2010 and later versions, use the SmartConnector for Microsoft Exchange PowerShell, which retrieves Microsoft Exchange Server 2010 SP2 and 2013 Mailbox Audit logs remotely, and lets you specify the mailboxes to be audited.

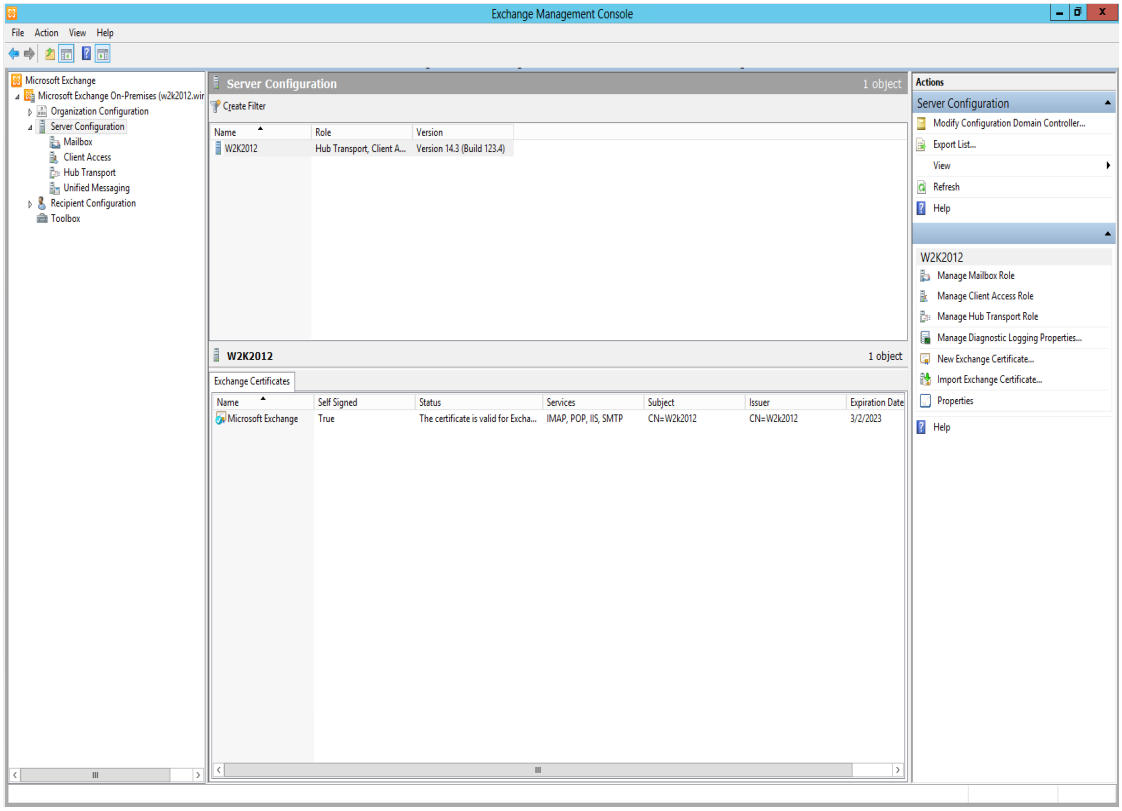
Configuring Mailbox Access Auditing

You must complete the following tasks to enable mailbox access auditing:

Enabling Auditing

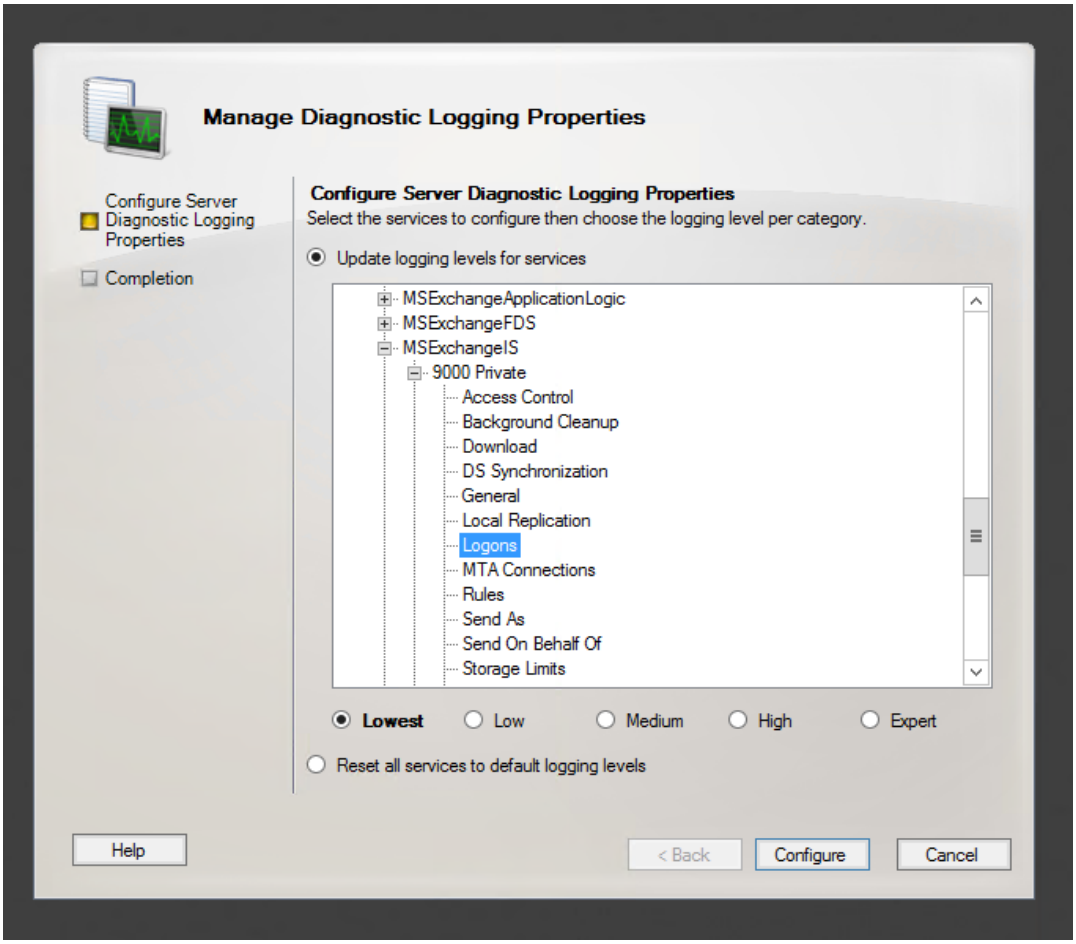
To configure mailbox access auditing on a particular mailbox server:

1. Select the server in the Exchange Management Console .



2. Select the **Manage Diagnostics Logging Properties** menu option from the action pane.

   The **Manage Diagnostics Logging Properties** window is displayed.



3. Expand the **MSExchangeIS** category and then expand the **9000 Private** category.
4. Under the **MSExchangeIS\9000 Private** category, configure auditing for any or all of the possible actions:
   - Folder Access, to log events that correspond to opening folders, such as the Inbox, Outbox, or Sent Items folders
   - Message Access, to log events that correspond to explicitly opening messages
   - Extended Send As, to log events that correspond to sending a message as a mailbox-enabled user
   - Extended Send On Behalf Of, to log events that correspond to sending a message on behalf of a mailbox-enabled user
5. Click **Configure**.

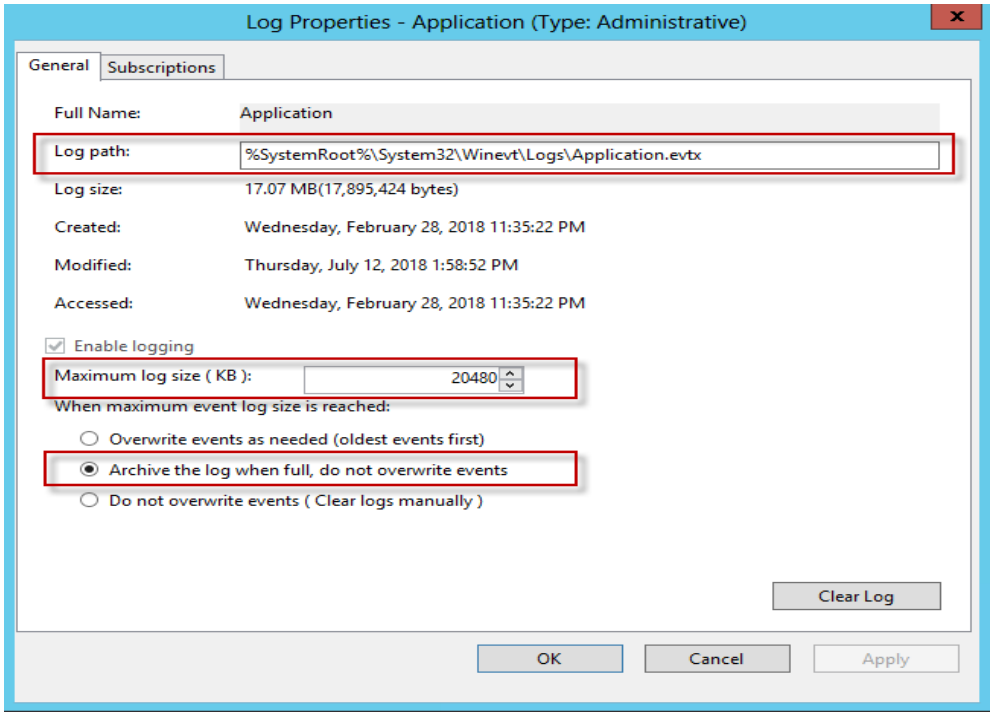
For more information about Exchange mailbox access auditing, see http://www.msexchange.org/articles_tutorials/exchange-server-2007/compliance-policies-archiving/exchange-2007-mailbox-access-auditing-part1.html

For examples of configuring Exchange mailbox access auditing, see http://www.howexchangeworks.com/2009/09/mailbox-access-auditing-in-exchange.html

Changing the Default Log Storage location

By default, the logs are stored in the Exchange Server installation directory (`Drive\Program Files\Microsoft\Exchange Server\Logging\AuditLogs`). The logs are archived by default when the location gets full. Therefore, make sure that the location of the logs is changed to a drive that has enough free space.

To modify the log storage location, select the properties for the Exchange Auditing log and change the options.



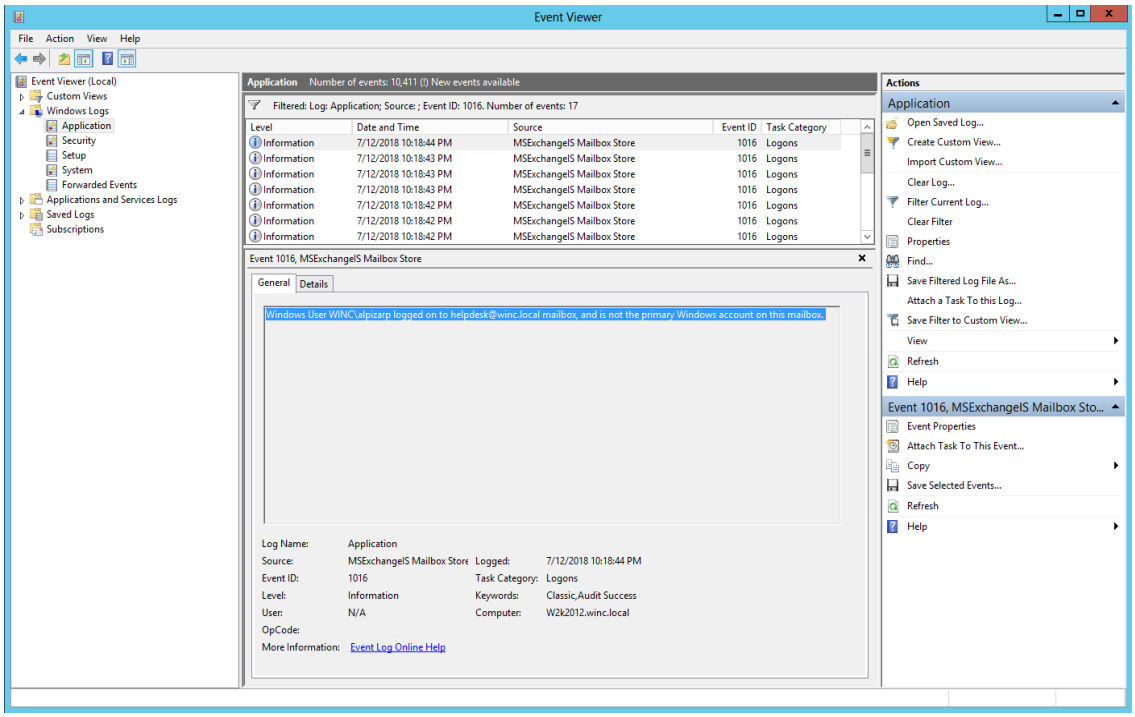
Excluding Service Accounts

Service accounts that have full access to the mailboxes might fill up your mailbox access log with events. To exclude service accounts from being audited, run the following command:

```
Get-MailboxDatabase -identity "server\sg\dbname" | Add-ADPermission -User "service account" -ExtendedRights ms-Exch-Store-Bypass-Access-Auditing -InheritanceType All
```

Viewing Logged Events

To view the information logged, navigate to **Event Viewer** > **Applications & Services Log** > **Exchange Auditing**.



Microsoft Exchange Mailbox Store

Microsoft Exchange Server is the server side of a client-server, collaborative application product developed by Microsoft. It is part of Microsoft's line of server products, used by enterprises using Microsoft infrastructure solutions.

This section provides information about configuring Microsoft Exchange Mailbox Store and understanding its event mappings to ArcSight data fields.

With Exchange Server 2010, Microsoft has added new native audit capabilities, such that the audit logs are maintained in the mailboxes themselves. Being able to get those audit logs is very difficult due to the potential number of mailboxes and the vast amount of data they may contain, and Windows Event Log integration for this will not work.

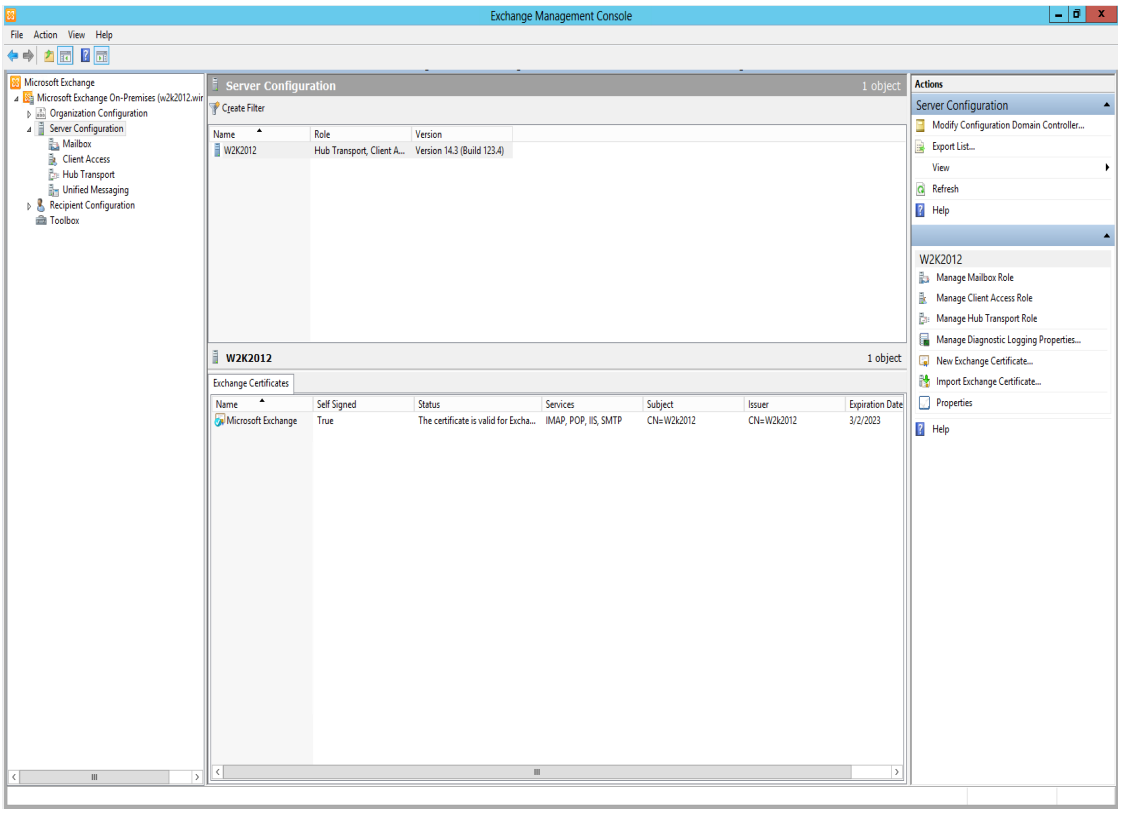
Therefore, for Microsoft Exchange 2010 and later versions, use the SmartConnector for Microsoft Exchange PowerShell, which retrieves Microsoft Exchange Server 2010 SP1 and 2013 Mailbox Audit logs remotely, and lets you specify the mailboxes to be audited.

Configuring Mailbox Store Auditing

Use the Exchange Management Console to access the configuration area for mailbox store auditing.

Enabling Mailbox Store

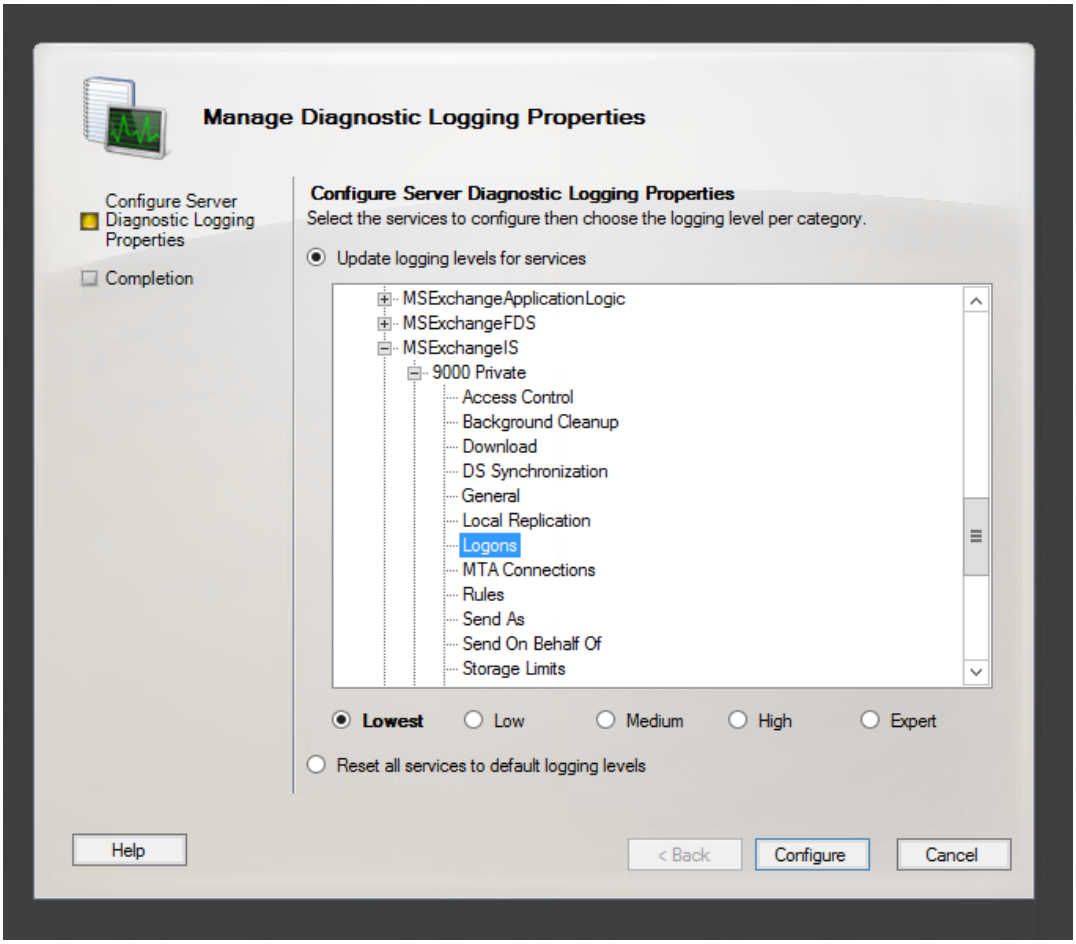
To access the configuration area for mailbox store auditing, use the Exchange Management Console. The following figure shows the new **Manage Diagnostic Logging Properties** menu option.



To configure mailbox store auditing on a particular mailbox server:

1. Select the server in the Exchange Management Console and then select the **Manage Diagnostics Logging Properties** menu option from the action pane.

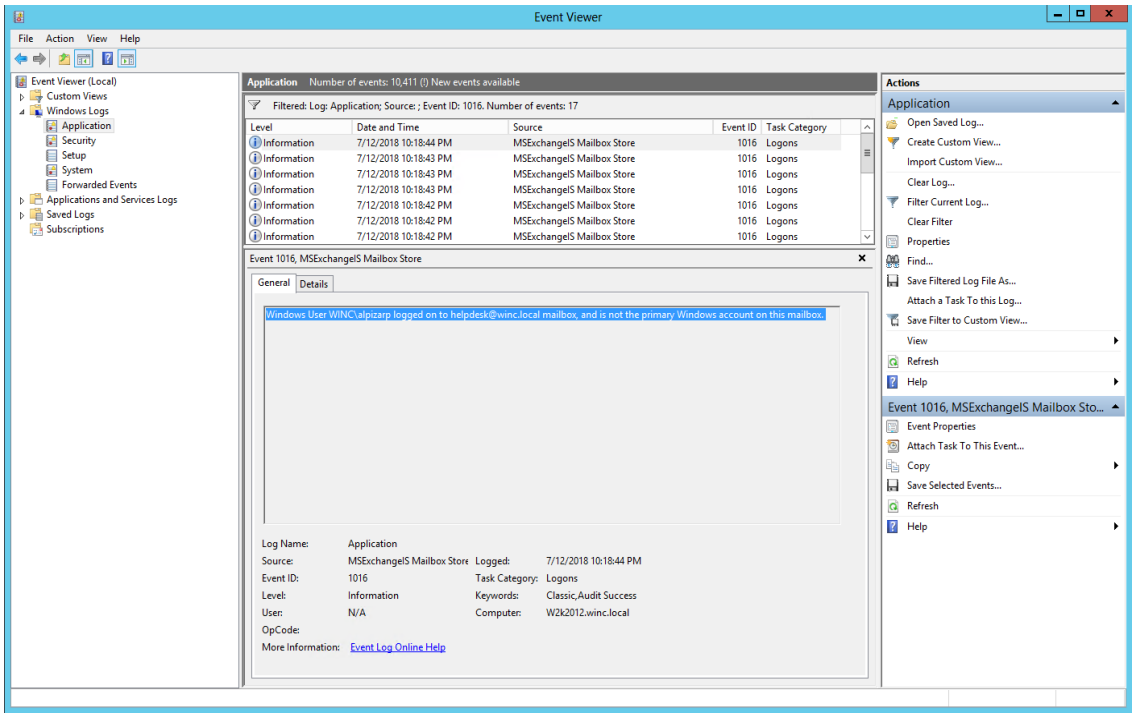
   The **Manage Diagnostics Logging Properties** window is displayed.



2. In this window, expand the **MSExchangeIS** category and then expand the **9000 Private** category.
3. Under the **MSExchangeIS\9000 Private** category, configure MailBox Store for Event 1016 by selecting **Logons**.
4. Click **Configure**.
5. To view events, go to Windows Event Viewer, 1016 events are saved in Application Windows Events.

Accessing the Audited Information

To view the information logged, navigate to **Event Viewer > Applications & Services Log > Exchange Auditing**.



Changing Default Log Storage location

By default, the logs are stored in the Exchange Server installation directory (`Drive\Program Files\Microsoft\Exchange Server\Logging\AuditLogs`). The logs are archived by default when the location gets full. Therefore, make sure that the location of the logs is changed to a drive that has enough free space.

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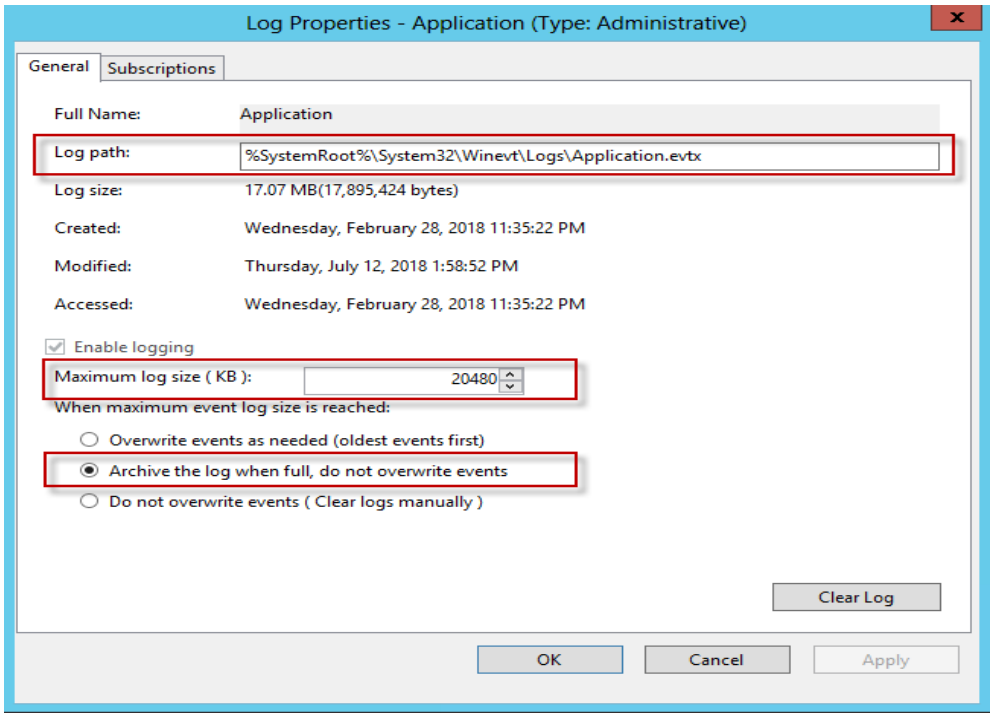

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Service accounts that have full access to the mailboxes might fill up your mailbox access log with events. To exclude service accounts from being audited, run the following command:

```
Get-MailboxDatabase -identity "server\sg\dbname" | Add-ADPermission -
User "service account" -ExtendedRights ms-Exch-Store-Bypass-Access-
Auditing -InheritanceType All
```

Microsoft Forefront Protection 2010

Microsoft Forefront Protection 2010 for Exchange Server (FPE) provides protection against malware and spam by including multiple scanning engines in a single solution. FPE provides customers with an administration console that includes customizable configuration settings, filtering options, monitoring features and reports, anti-spam protection, and integration with the Forefront Online Protection for Exchange (FOPE) product.

This section provides information about configuring Microsoft Forefront Protection and its event mappings to ArcSight data fields.

Configuring Forefront Protection

To enable writing events to the Windows Event Log from Forefront Protection:

1. In the Forefront Protection 2010 for Exchange Server Administrator Console, click **Policy Management**, and under **Global Settings**, click **Advanced Options**.
2. In the **Global Settings - Advanced Options** pane, under the **Logging Options** section, select the **Enable event logging** check box. When checked (the default), you can use the associated check boxes to individually enable or disable the following options (which are enabled by default):
   - **Incidents:** Enables or disables event logging for incidents.
   - **Engines:** Enables or disables event logging for engines.
   - **Operational:** Enables or disables logging for all other events, such as system information and health events.

   When the **Enable event logging** check box is cleared, incidents logging is suspended for incidents, engines, and operational events.
3. Click **Save**.

Note: The relevant Microsoft Exchange and Microsoft Forefront Server protection services must be restarted in order for any changes to these settings to take effect. This typically includes the Microsoft Exchange Transport, Microsoft Exchange Information Store, and Microsoft Forefront Server Protection Controller services.

Microsoft Local Administrator Password Solution

Micorosoft Local Administrator Password Solution helps users in the management of local passwords of domain joined computers. The passwords are stored in Active Directory and protected by ACL. This ensures that only eligible users can access or reset passwords.

Configuring Microsoft Local Administrator Password Solution

For complete information about Microsoft Local Administrator Password Solution, see the TechNet Library for Windows Server: http://technet.microsoft.com/en-us/library/hh831416

Microsoft Netlogon

Netlogon is a Windows Server process that is responsible for communication between systems in response to a logon request. This handles authentication of users and other services within a domain.

Configuring Microsoft Netlogon Logs

For information about Microsoft's netlogon events logs configuration, see https://support.microsoft.com/en-in/help/4557222/how-to-manage-the-changes-in-netlogon-secure-channel-connections-assoc in the Microsoft TechNet Library.

Microsoft Network Policy Server

Internet Authentication Service (IAS) was renamed Network Policy Server (NPS) starting with Windows Server 2008. The content of this guide applies to both IAS and NPS. Throughout the text, NPS is used to refer to all versions of the service, including the versions originally referred to as IAS.

Configuring NPS Logging

NPS logging is also called RADIUS accounting, and must be configured to your requirements whether NPS is used as a RADIUS server, proxy, NAP policy server, or any combination of the three configurations.

To configure NPS logging, you must configure the events logged and viewed with Event Viewer and determine other information you want to log. In addition, you must decide whether you want to log user authentication and accounting information to text log files stored on the local computer or to a SQL Server database on either the local computer or a remote computer.

Using the event logs in Event Viewer, you can monitor Network Policy Server (NPS) errors and other events that you configure NPS to record.

NPS records connection request failure events in the System and Security event logs by default. Connection request failure events consist of requests that are rejected or discarded by NPS. Other NPS authentication events are recorded in the Event Viewer system log on the basis of the settings that you specify in the NPS snap-in. Some events that might contain sensitive data are recorded in the Event Viewer security log.

The following information is from Microsoft Windows Server TechNet Library. For complete information, see RADIUS Accounting > NPS Events and Event Viewer > Configure NPS Event Logging (http://technet.microsoft.com/en-us/library/cc731085(v=ws.10).

Use this procedure to configure Network Policy Server (NPS) to record connection request failure and success events in the Event Viewer system log.

Membership in Domain Admins, or equivalent, is the minimum required to complete this procedure.

To configure NPS event logging using the Windows interface:

1. Open the Network Policy Server (NPS) snap-in.
2. Right-click NPS (Local), and then click Properties.

3. On the General tab, select each required option, and then click OK.

Microsoft Remote Access

Routing and Remote Access is a network service in Windows that provides the following services:

- Dial-up remote access server
- Virtual private network (VPN) remote access server
- Internet Protocol (IP) router for connecting subnets of a private network
- Network address translator (NAT) for connecting a private network to the Internet
- Dial-up and VPN site-to-site demand-dial router

Configuring Remote Access

For complete information about Microsoft's Reporting and Remote Access Service, see Microsoft's TechNet Library for Windows Server, "Remote Access (DirectAccess, Routing and Remote Access)": http://technet.microsoft.com/en-us/library/hh831416

Microsoft Service Control Manager

Service Control Manager (SCM) is a special system process under Windows NT family of operating systems that starts, stops, and interacts with Windows service processes. It is located in %SystemRoot%\System32\services.exe executable. Service processes interact with SCM through a well-defined API, and the same API interface is used internally by the interactive Windows service management tools such as the MMC snap-in Services.msc and the command-line Service Control utility sc.exe.

For more information about Microsoft Service Control Manager, see Microsoft Documentation.

Microsoft SQL Server Audit

With SQL Server 2008, Microsoft introduced an SQL Server Audit feature that provides a true auditing solution for enterprise customers. While SQL Trace can be used to satisfy many auditing needs, SQL Server Audit offers a number of advantages that can help DBAs more easily achieve their goals, such as meeting regulatory compliance requirements.

The SQL Server Audit feature is intended to replace SQL Trace as the preferred auditing solution. SQL Server Audit is meant to provide full auditing capabilities and only auditing capabilities, unlike SQL Trace, which is also used for performance debugging.

Configuring SQL Server Audit

For complete information about auditing in SQL Server, see Microsoft's SQL Server documentation.

Using SQL Server Management Studio, create a server audit as follows:

1. In Object Explorer, expand the **Security** folder.
2. Right-click the **Audits** folder and select **New Audit** to open a **Create Audit** window.
3. Enter a name for your audit (for example, **LoginFailed**). For **Audit destination**, select **ApplicationLog** from the list.
4. Click **OK** to accept the default settings and save the new audit specification.
5. The new audit will appear in the **Audits** folder. To enable the audit, select the audit you created, right-click, and select **Enable Audit**.

Customizing Event Source Mapping

For information about customizing event source mapping, see Customizing Event Source Mapping.

Microsoft Sysmon

Microsoft Sysmon Logs is a Windows system service and device driver that, once installed on a system, remains resident across system reboots to monitor and log system activity to the Windows event log.

It provides detailed information about process creations, network connections, and changes to file creation time. By collecting the events it generates using Windows Event Collection or SIEM agents and subsequently analyzing them, users can identify malicious or anomalous activity and understand how intruders and malware operate on your network.

This connector supports Microsoft Sysmon Operational version 11 events.

Configuring Microsoft Sysmon Logs

For complete information about Microsoft Sysmon Logs, see Microsoft Documentation.

Microsoft Windows AppLocker

Microsoft AppLocker helps organizations control the apps and files including executable files, scripts, Windows Installer files, dynamic-link libraries (DLLs), packaged apps, and packaged app installers, that can be run by users.

Configuring Microsoft Windows AppLocker

For complete information about Microsoft Windows AppLocker, see Microsoft Documentation.

Microsoft Windows BITS Client Logs

Microsoft Windows Background Intelligent Transfer Service (BITS) helps programmers and system administrators to download files from or upload files to HTTP web servers and share files using Server Message Block (SMB) protocol. BITS will take the cost of the transfer into consideration, as well as the network usage so that the user's foreground work has as little impact as possible. It also handles network interruptions, pausing, and automatically resuming transfers, even after a reboot. BITS includes `PowerShell cmdlets` for creating and managing transfers as well as the BitsAdmin command-line utility.

Configuring Microsoft Windows BITS Client Event Logs

For information about Microsoft's BITS client events logs configuration, see Microsoft documentation.

Microsoft Windows Defender Antivirus

Microsoft Defender Antivirus is built into Windows, and it works with Microsoft Defender for Endpoint to provide protection on your device and in the cloud.

Microsoft Windows Defender AntiVirus

For complete information about Microsoft Windows Defender Antivirus, see Microsoft Documentation.

Microsoft Windows ESENT

Microsoft Windows ESENT is an embeddable and transactional database engine which is used for data storage. You can use ESENT for applications that need reliable, high-performance, and low-overhead storage of structured or semi-structured data. The ESENT engine can help with data needs ranging from something as simple as a hash table that is too large to store in memory to something more complex such as an application with tables, columns, and indexes. For more information, see Microsoft Documentation.

Microsoft Windows Event

The Windows event log is a detailed record of system, security and application notifications stored by the Windows operating system that is used by administrators to diagnose system problems and predict future issues.

These event logs are used to record important hardware and software actions that the administrator can use to troubleshoot issues with the operating system. The Windows operating system tracks specific events in its log files, such as application installations, security management, system setup operations on initial startup, and problems or errors.

Microsoft Windows Hyper V

Microsoft Windows Hyper-V logs are a set of files that contain information about the Hyper-V hypervisor and virtual machines. For more information, see Hyper-V Technology Overview in the Microsoft documentation.

Configuring Microsoft Windows Hyper V Logs

For information about configuring Microsoft Windows Hyper V events logs, see Configuring Custom Logs and Filtering.

Microsoft Powershell

PowerShell is a task-based command-line shell and scripting language built on .NET. PowerShell helps system administrators and power-users rapidly automate tasks that manage operating systems (Linux, macOS, and Windows) and processes.

PowerShell commands let you manage computers from the command line. PowerShell providers let you access data stores, such as the registry and certificate store, as easily as you access the file system. PowerShell includes a rich expression parser and a fully developed scripting language.

As it is widely used by the black hat community for initial access and further lateral movement within an enterprise, it is critical to properly collect and parse Windows Powershell logs. This would open the doors to writing correlation and hunt/search tools to find the APT's and other advanced threats.

Auditing Powershell Objects in Windows

When you audit Powershell events, Windows writes an event to the Security log on the domain controller. For example, if a user attempts to log on to the domain using a domain user account and the logon attempt is unsuccessful, the event is recorded on the domain controller and not on the computer on which the logon attempt was made. This is because it is the domain controller that made an unsuccessful attempt to authenticate.

To enable auditing of Powershell objects:

1. Configure an audit policy setting for a domain controller. (When you configure an audit policy setting, you can audit objects, but you cannot specify which object you want to audit.)
2. Configure auditing for specific Powershell Objects. After you specify the events to audit for files, folders, printers, and Powershell Objects, Windows tracks and logs these events.

Configure an Audit Policy Setting for a Domain Controller

Auditing is turned off by default. For domain controllers, an audit policy setting is configured for all domain controllers in the domain. To audit events that occur on domain controllers, configure an audit policy setting that applies to all domain controllers in a non-Local Group Policy object (GPO) for the domain. You can access this policy setting through the Domain Controller's organizational unit. To audit user access to Powershell objects, configure the Audit Directory Service Access event category in the audit policy setting.

The computer on which you want to configure an audit policy setting must be granted the Manage Auditing and Security Log user right. By default, Windows grants these rights to the Administrators group.

Note: The files and folders you want to audit must be on Microsoft Windows NT file system (NTFS) volumes.

To configure an audit policy setting for a domain controller (steps may vary for differing Windows operating systems):

1. Click **Start**, point to **Programs**, point to **Administrative Tools**, and then click **Powershell Users and Computers**.
2. From the **View** menu, click **Advanced Features**.
3. Right-click **Domain Controllers**; then click **Properties**.
4. Click the **Group Policy** tab, click **Default Domain Controller Policy**, and then click **Edit**.
5. Click **Computer Configuration**, double-click **Windows Settings**, double-click **Security Settings**, double-click **Local Policies**, and then double-click **Audit Policy**.
6. In the right pane, right-click **Audit Directory Services Access**, and then click **Security**.
7. Click **Define These Policy Settings**, then click to select one or both of the following check boxes:

   Success: Click to audit successful attempts for the event category
   Failure: Click to audit failed attempts for the event category
8. Right-click any other event category that you want to audit; then click **Security**.
9. Click **OK**.
10. Because the changes you make to your computer's audit policy setting takes affect only when the policy setting is propagated (or applied) to your computer, to initiate policy propagation, either enter `secedit/refreshpolicy machine_policy` at the command prompt and then restart the computer or wait for automatic policy propagation, which occurs at regular intervals you can configure. By default policy propagation occurs every eight hours.

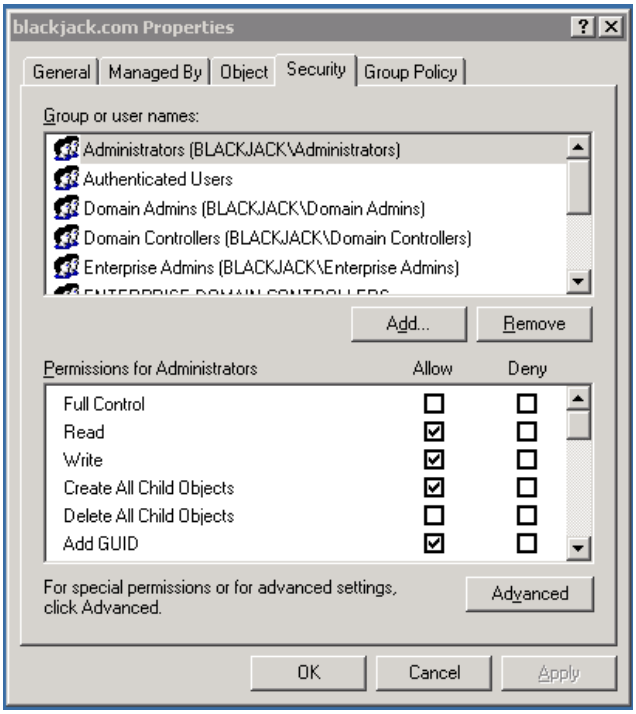
Configuring Auditing for Specific Powershell Objects

After you configure an audit policy setting, you can configure auditing for specific objects, such as users, computers, organizational units, or groups, by specifying both the types of access and the users whose access you want to audit.

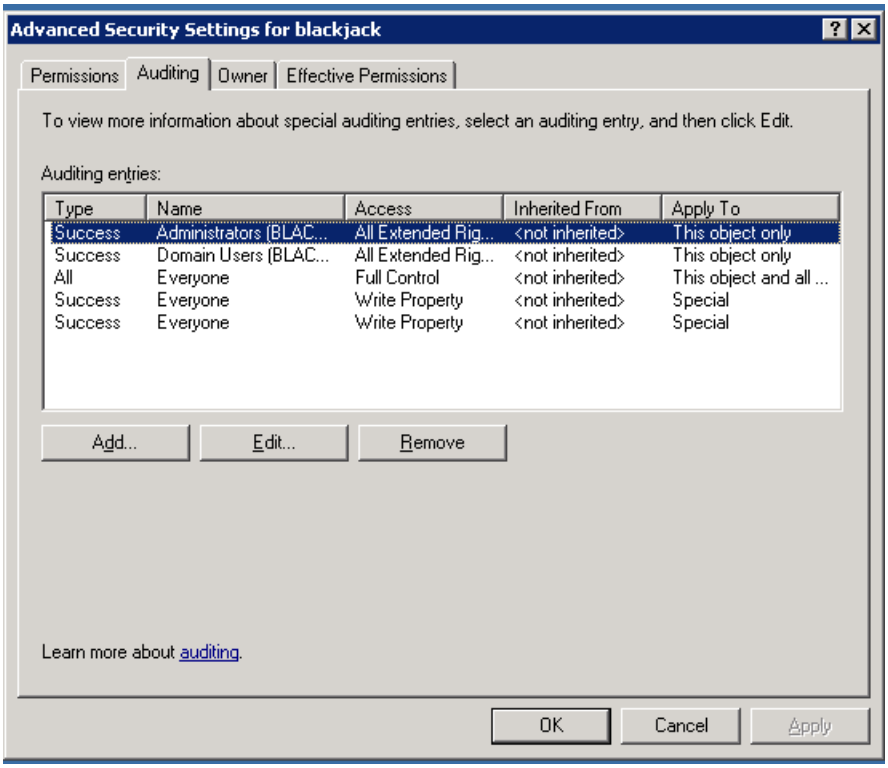
To configure auditing for specific Powershell objects (steps may vary for differing Windows operating systems):

1. Click **Start**, point to **Programs**, point to **Administrative Tools**, and then click **Powershell Users and Computers**.

2. Verify that **Advanced Features** is selected on the **View** menu (the command has a checkmark beside it).
3. Right-click on the Powershell object you want to audit (`blackjack.com` in the example) and select **Properties**.



4. Click the **Security** tab, then click the **Advanced** button; **Advanced Security Settings** for the object is displayed. Click the **Auditing** tab.



5. To add an object, click **Add**.
6. Either enter the name of either the user or the group whose access you want to audit in the **Enter the object name to select** box, then click **OK**, or browse the list of names and then double-click either the user or the group whose access you want to audit.
7. Click to select either the **Successful** checkbox or the **Failed** checkbox for the actions you want to audit, then click **OK**. Click **OK** on the next two windows to exit.

Microsoft Windows Update Client

Microsoft Windows Update Client works in conjunction with Windows Server Update Services to support automated patch delivery and installation. It scans your computer and determines the version of Windows you are running and pushes new updates to your device.

Configuring Windows Update Client

For complete information about Windows Update Client, see Microsoft's TechNet Library for Windows Server, :http://technet.microsoft.com/en-us/library/hh831416

Microsoft Windows WMI Activity Trace

Windows Management Instrumentation (WMI) is the Microsoft implementation of Web-Based Enterprise Management (WBEM), which is an industry initiative to develop a standard technology for accessing management information in an enterprise environment.

WMI uses the Common Information Model (CIM) industry standard to represent systems, applications, networks, devices, and other managed components. For more information see Logging WMI Activity and Tracing WMI Activity.

Microsoft Windows WMI Analytic and Operation

Windows Management Instrumentation (WMI) is Microsoft implementation of Web-Based Enterprise Management (WBEM), which is an industry initiative to develop a standard technology for accessing management information in an enterprise environment.

WMI uses the Common Information Model (CIM) industry standard to represent systems, applications, networks, devices, and other managed components. For more information, see WMI documentation.

Microsoft WINS Server

Microsoft WINS servers are designed to prevent the administrative difficulties that are inherent in the use of both IP broadcasts and static mapping files such as LMHOSTS files. Microsoft WINS is designed to eliminate the need for IP broadcasts (which use valuable network bandwidth and cannot be used in routed networks), while providing a dynamic, distributed database that maintains computer name-to-IP-address mappings.

WINS servers use a replicated database that contains NetBIOS computer names and IP address mappings (database records). When Windows-based computers log on to the network, their computer name and IP address mapping are added (registered) to the WINS server database, providing support for dynamic updates. The WINS server database is replicated among multiple WINS servers in a LAN or WAN. One of the benefits of this database design is that it prevents different users from registering duplicate NetBIOS computer names on the network.

WINS clients, referred to as WINS- enabled clients, are configured to use the services of a WINS server. Windows NT- based clients are configured with the IP address of one or

more WINS servers by using the WINS Address tab on the Microsoft TCP/IP Properties page in Control Panel > Network.

Configuring WINS Server for Event Collection

You can run the Registry Editor program at the command prompt to configure a WINS server by changing the values of the Registry parameters. Parameters for logging include:

Configuration Option	Description
Logging Enabled	Specifies whether logging of database changes to J50.log files should be turned on.
Log Detailed Events	Specifies whether logging events is verbose mode. (This requires considerable computer resources and should be turned off if you are tuning for performance.)

Oracle Audit

Auditing is a default feature of the Oracle server. The standard audit commands allow all system privileges to be audited along with access at the object level to any table or view on the database for select, delete, insert or update. Audit can be run for either successful or unsuccessful attempts or both. It can be for each individual user or for all users, and it can also be done at the session level or access level. At action level a single record is created per action and at session level one record is created for all audit actions per session.

The following sections provide information about the SmartConnector for Microsoft Windows Event Log – Native: Oracle Audit and its event mappings to ArcSight data fields.

Configuring Auditing

For complete information about Oracle database auditing, see "Configuring Auditing" in the *Oracle Database Security Guide* for your database version.

Enabling Auditing

Database auditing is enabled and disabled by the AUDIT_TRAIL initialization parameter in the database initialization parameter file, `init.ora`. Setting it to `OS` enables database auditing and directs all audit records to an operating system file:

```
AUDIT_TRAIL=OS
```

Auditing Administrative Users

Sessions for users who connect as SYS can be fully audited, including all users connecting as SYSDBA or SYSOPER. Use the `AUDIT_SYS_OPERATIONS` initialization parameter to specify whether such users are to be audited. For example, the following setting specifies that SYS is to be audited:

```
AUDIT_SYS_OPERATIONS = TRUE
```

The default value, `FALSE`, disables SYS auditing.

Symantec Mail Security

Symantec Mail Security for Microsoft Exchange provides high-performance, integrated mail protection against virus threats, spam, and security risks, and enforces company policies.

Event Logging

Symantec Mail Security for Exchange Server events and policy violations are reported in the Microsoft Windows Event Log. The event log displays information, warning, and error events. The SmartConnector for Microsoft Windows Event Log – Native can be used to receive these events.

Make sure that you have the System Administrator privileges to configure or modify Symantec Mail Security settings.

Installing the SmartConnector

This section has the following information:

Installation Requirements

.NET Requirements

- .NET 4.5.2, 4.6, 4.6.1 or 4.7.2.

Preparing to Install the SmartConnector

Before you install any SmartConnectors, make sure that the ArcSight products with which the connectors will communicate have already been installed correctly (such as ArcSight ESM or ArcSight Logger).

For complete product information, refer to the Administrator's Guide to ArcSight Platform, available on ArcSight Documentation.

If you are adding a connector to the ArcSight Management Center, see the ArcSight Management Center Administrator's Guide available on ArcSight Documentation for instructions.

Before installing the SmartConnector, make sure that the following are available:

- Local access to the machine where the SmartConnector is to be installed
- Administrator passwords

SmartConnector Setup Scenarios

The following examples describe some typical setup scenarios. For configuration details, see See "Configure the Connector"

- **Scenario 1 - Collect Application, Security, and System Logs for the Local Host:** You select local host logs on the first configuration window with no remote hosts, no custom logs or event filters, and no Windows Event Forwarding configuration. Locale and encoding of the local host are automatically detected and configured by the connector; therefore, configuration of these values for the local host is not necessary.
- **Scenario 2 - Collect Application, Security, and System Logs from Remote Hosts, from One Domain, and Enter the Hosts Manually:** In this scenario, you can collect logs from remote hosts and add the host entries manually. You can either add a table parameter in the entry window that is displayed or import a csv file containing host information. However, when importing, make sure your local host is in the csv file if you intend to collect events from the local host, as the content from the imported file replaces the existing host information.
- **Scenorio 3 - Collect Application, Security, and System logs from Hosts Recorded in Active Directory:** Collect logs from a host recorded in Active Directory. The table parameter entry window is then displayed, where you can make configuration selections for each host.
- **Scenario 4 - Collect Forwarded Events or Other WEC Logs from Local Or Remote Hosts:** With any of the previous scenarios, to collect Forwarded Events or other WEC logs from the local host (or remote hosts); a window is displayed where you can specify the name of a csv file containing the source hosts names and Windows OS versions for the hosts after making configuration selections for your hosts on the table parameter entry window.

Installing and Configuring the SmartConnector

For additional information about installing the SmartConnectors, see the ArcSight SmartConnector Installation and User Guide.

To install and configure the Windows Event Log - Native SmartConnector:

1. Start the installation process.
2. Follow the instructions to add the required details to complete the installation of core software.

3. After the installation completes, to configure the connector, you can either click **Next** or run the `<ArcSightSmartConnectors_installDirectory>\current\bin\runagentsetup.bat` file.
4. Select the relevant Global Parameters, the click **Next**.
5. From the **Type** drop-down, select **Microsoft Windows Event Log - Native** as the type of connector, then click **Next**.
6. In the **Configure Parameters** window, specify the following information:
   a. Select logs for event collection:
      - The **Security log**, **System log**, and **Application log** options are selected by default. See "Log Parser Support" for a list of supported application and system events. For more information about the type of logs to select for different log sources, see Selecting the Type of Logs for Event Collection.
      - **Custom Log:** Select this option to collect custom logs. For more information, see Configuring Custom Logs and Filtering
      - **ForwardedEvents Log:** If you select this option, you can collect events forwarded from a source host to any log type on the collector machine to which the connector has access.

        Note: Security events cannot be forwarded to the Security event log on a collector machine, but can be forwarded to other log types.

   b. If you selected the **ForwardedEvents Log** option, the Windows OS version of the event source host is not populated automatically in the normalized events. To populate this value, you must either provide the Windows OS version or configure the Active Directory. If both Active Directory and Windows OS version is available from the source host file , then value from Active Directory takes precedence. Select any of the following options to specify the Windows OS version for the hosts from which you want to collect events:
      - **Use file for OS version:** Select this option to supply the name of the source hosts in a file. If you select this option, you will be prompted to specify the file details.
      - **Use Active Directory for OS version**: Select this option, then the connector retrieves the host details from the configured Active Directory to identify the event source host Windows version information. Newly discovered hosts are added to the lookup automatically without having to reconfigure the connector itself.

For the connector to be able to browse the Active Directory to retrieve source host Windows version information, it must be placed within the same forest as the Active Directory.

If you select this option, you will be prompted to enter your domain credentials and Active Directory parameter information in the next screen.

- **Do not use any source for Windows OS version**: Select this option to not provide an Active Directory query or a CSV file to list all hosts involved in events forwarding along with their Windows OS version. If you select this option, no Windows OS version will be displayed in the event headers from the forwarding host.

c. Select one or many of the following parameters to add hosts for event collection:

- **Use Common Domain Credentials:** Select this option to specify common domain credentials.
- **Use Active Directory:** Select this option to use the host information (host name and version) from the configured Active Directory to identify the event source host Windows version information.
- **Enter Manually:** Select this option to manually specify all the host details.

7. Click **Next**.
8. One or more of the following screens will be displayed depending on your selections in the previous window:

a. **WEF Source Hosts File Name:** If you selected **ForwardedEvents log** or **Use file for OS version** options in the previous window, then you are prompted to enter the name of the file that contains the source host information. This window is also displayed if you have selected **Is WEC** for any hosts in the table parameter window. For forwarded event collection, specify only the Event Collector hosts.

b. **Device Details Collection:** The first row displays selections from the initial parameter entry window for the local host. Click **Add** to manually add a host, or click **Import** to select a `.csv` file to import host information. Make sure that there is a carriage return (only one CR) at the last entry in the `.csv` file. Else the import fails.

If you have added hosts for which you decide not to collect events, you can use the checkbox in the leftmost column to deselect rows in the table.

Parameter	Description
Host Name	Host name or IP address of the target Windows host.
Domain Name	Name of the domain to which the host belongs. If you are using a Domain User account for a target host or using Active Directory, fill in the Domain Name field. This must be a name, not an IP address, for the OS version to be resolved.
User Name	Name of the user account with adequate privileges to collect Windows events from the target host. This will be the user name only, without the domain.
Password	Password for the user specified in **User Name**.
Windows Version	Select the Microsoft Operating System version this host is running.
Is WEC	If you selected **Indicates that this is a WEC server** on the initial configuration page, this selection is already checked for the local host.
Security	Select for security events to be collected from this host. This log is automatically selected for all hosts.
System	Select for system events to be collected from this host.
Application	Select for application events to be collected from the **Common Application Event Log** of this host.
ForwardedEvents	Select for events to be collected from the **ForwardedEvents** log of this host.
Custom Event Logs	Specify the custom application log names, separated by a comma (such as "`Exchange Auditing, Directory Service`"). For Windows Event Collector servers, use **HardwareEvents**. See "'Installing and Configuring the SmartConnector" on page 85" for more information.

Parameter	Description
Filter	This is a filter you can get from the Microsoft event viewer when you want to collect particular events. You can copy the filter text to this field. For more information, see "Configure a Filter."
Locale	Enter the value for your locale or accept the United States English default, **en_US**. Leave this field blank if you want the connector for the local host to automatically determine the correct Locale value. Values are: ■ French Canadian: `fr_CA` ■ Japanese: `ja_JP` ■ Simplified Chinese: `zh_CN` ■ Traditional Chinese: `zh_TW` ■ United States English (the default): `en_US` For localization of other languages, see "Customize Localization Support for the Native Connector" on page 39.
Encoding	Enter the encoding value for the language used to send localized log events, or accept the United States English default, en_US. This value cannot be determined automatically. Select from the following values: ■ French Canadian: `fr_CA` ■ Japanese: `Shift_JIS` ■ Simplified Chinese: `GB2312` ■ Traditional Chinese: `zh_TW` ■ United States English (the default): `UTF-8` For localization of other languages, see "Customize Localization Support for the Native Connector" on page 39.

c. **Domain Credentials:** If you selected **Use common domain credentials** option in the previous window, then you are prompted to specify the following details:

Note:

- A Domain User Name and Domain User Password is not required if you are performing local event collection.
- If the hosts Domain parameters are the same as Active Directory, then you do not have to enter both. The information will be taken from the Active Directory Domain and credentials.

Parameter	Description
Domain Name	Enter the name of the domain to which the host belongs. Work group hosts and stand-alone hosts can be added manually on the table parameters entry window.
Domain User Name	Enter the name of the user account with adequate privileges to collect Windows events from the target host. It is assumed that the AD server is located on the domain server and can be accessed with the domain user and password.
Domain User Password	Enter the password for the user specified in the **Domain User Name** field.

d. **Active Directory Parameters:** If you selected **Use common domain credentials** option in the previous window, then you are prompted to specify the following details:

Note:

- A Domain User Name and Domain User Password is not required if you are performing local event collection.
- If the hosts Domain parameters are the same as Active Directory, then you do not have to enter both. The information will be taken from the Active Directory Domain and credentials.
- If GUID translation is enabled, then the Active Directory Domain and credentials are used. You must provide the complete domain name, including any qualifiers, such as `.com`.

Parameter	Description
Active Directory Domain	Enter the name of the Active Directory domain to which the host belongs.
Active Directory User Name	Enter the name of the user account with adequate privileges to collect Windows events from the target host. It is assumed that the AD server is located on the domain server and can be accessed with the domain user and password.
Active Directory User Password	Enter the password for the user specified in the **Active Directory User Name** field.
Active Directory Server	Enter the Active Directory Host Name or IP address required for authentication to the Microsoft Active Directory for the host browsing feature.

Parameter	Description
Active Directory Filter	Enter the Active Directory Filter required for automatic host browsing to filter hosts by name, operating system, and creation time. The query can contain attributes for Common Names (cn), Operating System (`operatingsystem`) and Creation Time (`whencreated`) in 'YYMMDDHHmmSS' format, where YY=Last two digits of the year, MM=Month, DD=Date, HH=Hours, mm=Minutes, SS=Seconds in 24-hour format. The query can also contain wildcard characters (*) to match the attributes to different values. **Active Directory Filter examples** To create hosts after and inclusive of a particular time point, set filter to: `(&(cn=*)(operatingsystem=*)(whencreated>=YYMMDDHHmmSSZ))` To create hosts between and inclusive of two time points, set filter to: `(&(cn=*)(operatingsystem=*)(whencreated>=YYMMDDHHmmSS)(whencreated<=YYMMDDHHmmSS))`
Active Directory Protocol	Select whether the protocol to be used is **non_ssl** (the default value) or SSL. For SSL protocol, be sure to import the Active Directory security certificate to the connector before starting the connector.
Use Active Directory host results for	For WEF Only: If you selected "**Use Active Directory for OSVersion**" on the initial configuration window, the list of hosts retrieved from Active Directory is used to determine the Windows OS version for the WEF source hosts. When **For WEF Only** is selected, the result of the query will not populate the table of hosts on the table parameter entry window. For initial installation, **Merge Hosts and Replace Hosts** act the same because only the local host is present and preserved. If you selected **Use Active Directory** on the initial configuration screen under **Parameters to add hosts** for event collection, or you are modifying parameters to add hosts, the following applies. When **Merge Hosts** is selected, Active Directory is used to retrieve the hosts for collection (and can also be used for Windows Event Forwarding if WEC servers are present and **Use file for OS** is not selected on the initial configuration screen). The original host is not replaced and all other preconfigured hosts are preserved. Hosts are added from the list retrieved from Active Directory with Security events selected by default. If duplicates are found, the existing host entry is not overwritten. When **Replace Hosts** is chosen, Active Directory is used to retrieve the hosts for collection (and can also be used for Windows Event Forwarding when WEC servers are present and Use file for OS is not selected on the initial configuration screen). The local host is not replaced, but all other hosts preconfigured are replaced with those retrieved from Active Directory, with Security events selected by default.

9. Select a destination, then configure the destination parameters.
10. Specify a name for the connector.

11. Select whether you want to run the connector as a service or in the standalone mode.
12. Complete the installation process.

Using SSL for Connection (optional)

If you are using SSL for connector connection, follow these steps.

To import the certificates to the connector's certificate store, click **Cancel** to exit the wizard:

1. From `$ARCSIGHT_HOME\current\bin`, execute the **keytool** application to import the two certificates (see "Add Security Certifications when Using SSL" earlier in this guide).

   ```
   arcsight agent keytoolgui
   ```

   The graphical interface asks you to open a keystore
2. Select `jre/lib/security/cacerts`, then select **import cert** to import your certificate. Verify that the correct certificate has been imported.
3. When prompted **Trust this certificate?**, click **Yes**.

   Repeat this process for the second certificate.
4. Save the keystore.
5. Verify the imported certificates by entering this command from `$ARCSIGHT_HOME\current\bin`:

   ```
   arcsight agent keytool -list -store clientcerts
   ```

   The new certificates are listed.
6. Return to the configuration wizard by entering the following command from `$ARCSIGHT_HOME\current\bin`:

   ```
   runagentsetup
   ```

Post-Installation Permissions

The `current/user/agent/agentdata` folder stores raw events data and contains sensitive information which must be restricted using the following permission:

The user installing the connector and the system administrator must restrict permission for the `current/user/agent/agentdata` folder so that only they are authorized to access the folder and files present in it. For more information related to the folder permissions, check Microsoft Documentation.

Configuring Custom Logs and Filtering

If you selected **Custom logs** in the **Select logs for event collection** section of the initial configuration window,and you want to add filtering for the local host, check **Custom Logs** in the **Select logs for event collection** section to ensure this window is displayed for you to enter filter parameters.

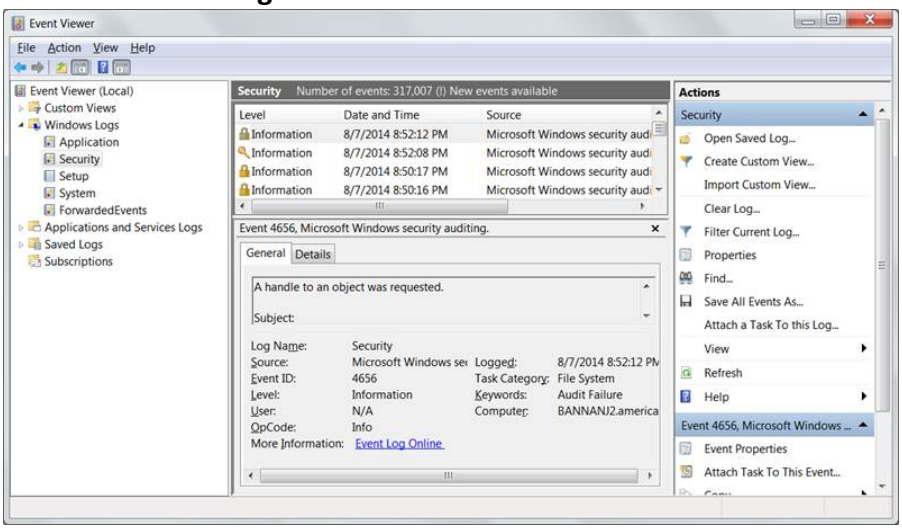
The parameters for each host are given in full along with descriptions in the following table. Selections from the initial parameter entry window for the local host are reflected in the first row of the table. Select options and provide custom log and filter information for each additional host manually.

After entering the parameter information, click **Next**.

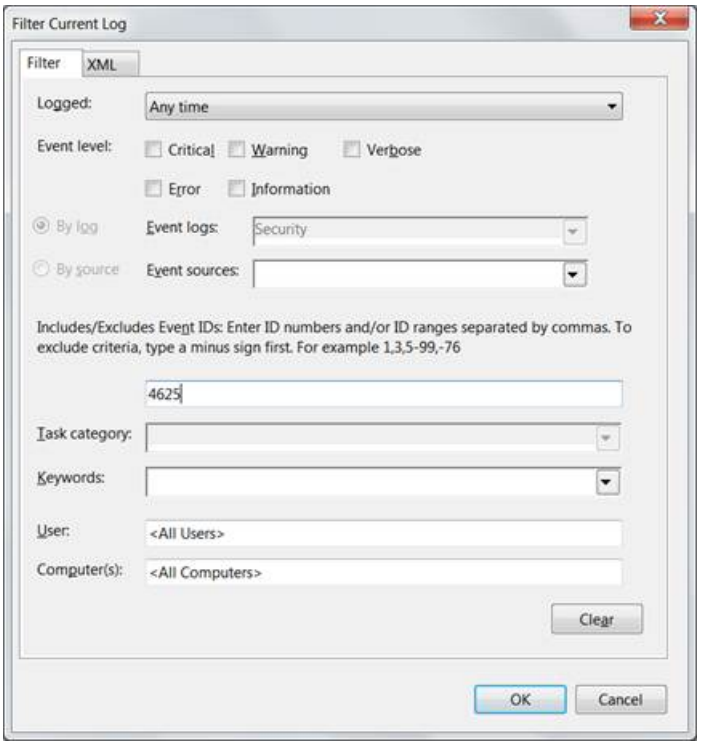
Configuring Filter

To configure a filter, first launch the event viewer and select the event log that needs the filter setting.

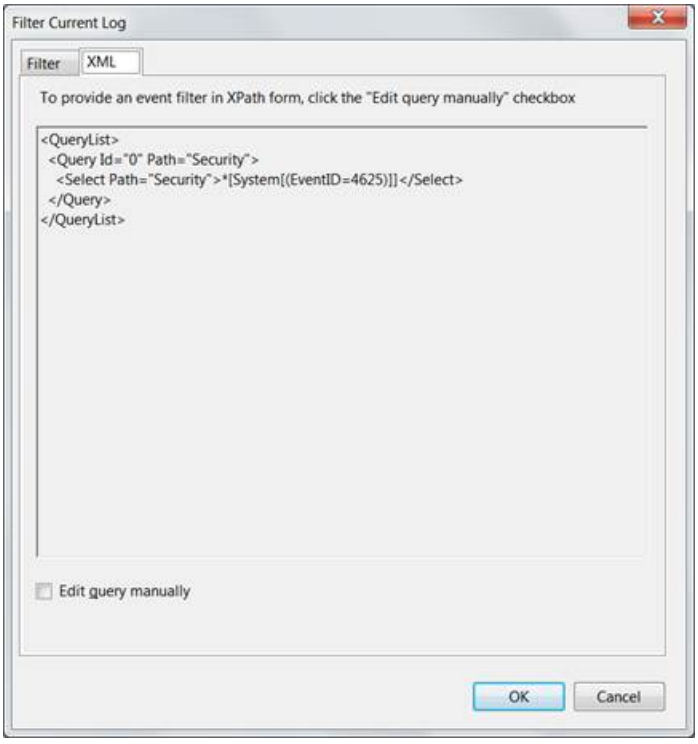
1. Click **Filter current log** to set the filter.



For example, to collect the logon failure events whose Event ID is 4625, enter the Event ID number as shown in the following figure.



2. Click the **XML** tab. The query is displayed in XML.



The expression that appears between `<Select>` and `</Select>` is the value that can be entered in the filter. Here it writes `*[System[(EventID=4625)]]`. This can be copied to the **Filter** column in the host table parameter for the desired event log.

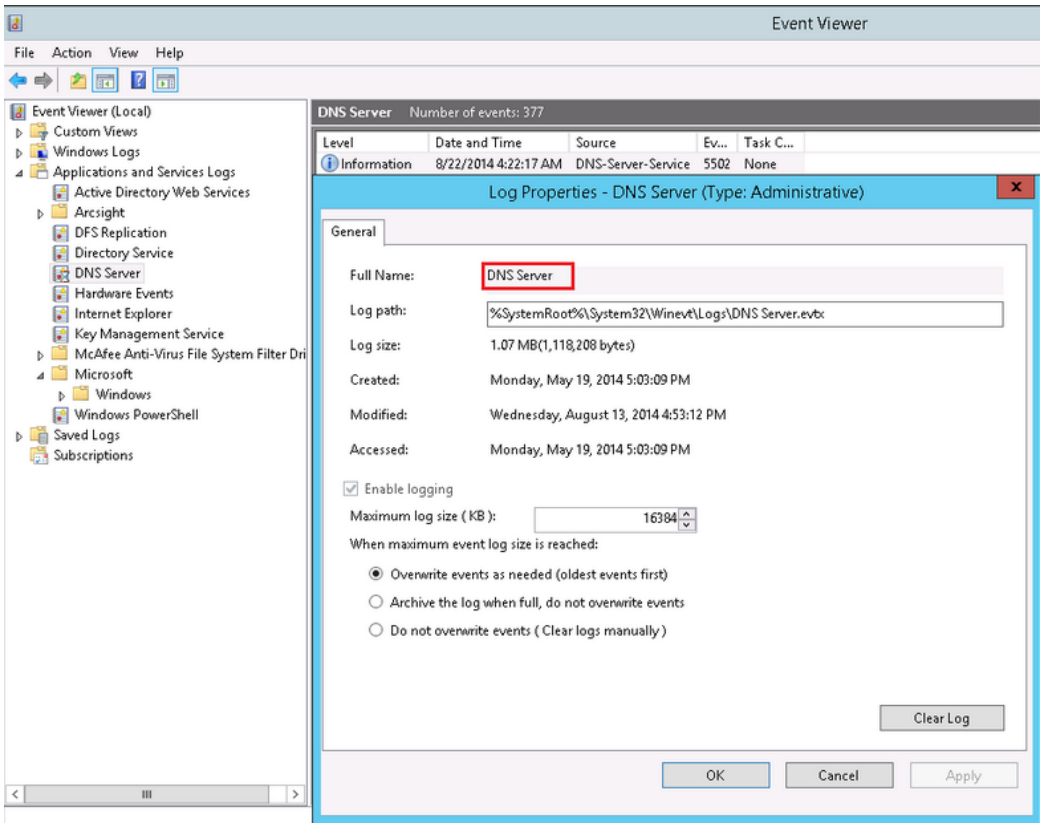
Note: In certain cases, the text cannot be directly copied to the Filter column in the UI wizard. If the filter text contains “gt;”, “lt;”, “gt;=” or “lt;=” , you must replace it with “>”,“<”, “>=” or “<=” respectively.

Specifying Custom Log Names

In the Windows Host parameters window, a column for the **Custom Log Names** parameter lets you specify names of custom event logs. Applications also can generate events for a custom application event log, such as DNS Server, Directory Service, Exchange Auditing, and so on. (Parsing support for only the event header is supported for application events.)

For example, specify `Directory Service` for Active Directory and `Exchange Auditing` for Microsoft Exchange Audit. For Microsoft Windows Print Service Admin log, use `Microsoft-Windows-PrintService/Admin`.

To identify the Custom Event Log Name, select the **Custom Application Event Log** in the Microsoft Windows **Event Viewer**. The log name can be found from the properties of the event log in the **Full Name** field, as shown in the following figure.



For more information about setting this parameter, see "Advanced Configuration Parameters per Host."

Collecting Forwarded Events

The connector has the ability to read events forwarded to a Windows Event Collector host. Windows Event Collection is a Microsoft capability that lets a Windows host collect events from multiple sources. Collecting forwarded events is different than the traditional event collection because the events are collected from multiple sources.

With Microsoft Windows Event Collector (WEC), you can subscribe to receive and store events on a local computer (event collector) that are forwarded from any number of remote computers (event sources). Before using this feature, refer to Microsoft Windows documentation, to know more about Windows Event Collector functionality.

Note: When configuring Windows Event Collection (WEC), Microsoft by default adds to every forwarded event a RenderingInfo section that is a textual description of an event. This extra section introduces negative impacts on the resource usage of the WEC machine and the performance of the connector. Therefore, OpenText advises that you disable the **RenderingInfo** section. To do so, run the following command from the Windows command console: wecutil ss <subscription-name> /cf:events , where subscription-name is the WEC configuration created for event forwarding. This can be found in the **Event Viewer** > **Subscriptions** folder.

Event Collector for Windows Event Forwarding

You can forward events from a source host to any log type on the collector machine to which the connector would normally have access.

Note: Security events cannot be forwarded to the Security event log on a collector machine, but can be forwarded to other log types

Source Hosts Windows OS Version

When the connector is configured with the log that has forwarded events, the Windows OS version of the event source host is not populated automatically in the normalized events. To have this value populated, the Windows OS version should be provided as a source host file or the Active Directory should be configured. If the Windows OS version is available from the source host file as well as Active Directory, the value from Active Directory takes precedence. Active Directory as Source for OS Version. For more information, see Microsoft Documentation.

When this selection is chosen during connector configuration, the connector pulls the host information (host name and version) from the configured Active Directory to identify the event source host Windows version information. Newly discovered hosts are added to the lookup automatically without reconfiguring the connector itself.

Active Directory information is checked upon connector startup and every 24 hours (86400000 milliseconds). To change the time setting, locate the agent.properties file in $ARCSIGHT_HOME/current/agent and set the hostbrowsingthreadsleeptime parameter to the number of milliseconds between host browsing queries.) This value should be greater than 0; if the value is set to 0, it will not perform periodic host browsing. For the connector to be able to browse the Active Directory to retrieve source host Windows version information, it should be placed within the same forest as the Active Directory.

File as Source for OS Version

When this selection is chosen during connector configuration, create a source host file in .csv format that contains the host name and Windows OS versionand upload this file during the connector installation/configuration process (the WEF Source Hosts File Name in step 9).

Note: The host file, which is imported to or exported from the host table during installation, and the source host file specified in the WEF Source Hosts File Name field are two different entities. The source host file contains only the host name and version information to populate the version in the device version field.

When creating a source host file, make sure to specify the FQDN registered with Active Directory, as the connector finds the version information using the computer name in the event. An example of the source host file could be:

```
Hostsd.domaind.com,Windows Server 2016
```

The valid versions descriptions (case sensitive) that can be used in source hosts files are:

```
Windows Server 2016
```

Note: OS version information is optional; events may still be parsed in a majority of cases.

Once configured, the OS version is loaded from the source host file when the connector is running on its first run, and is reloaded on the next startup of the connector when the source host file has a timestamp different from the one loaded from the last file processed.

The device version will not be populated in the normalized events.

Additional Connector Configurations

You can refer to the following sections for additional and optional connector configurations:

Configuring Custom Logs and Filtering

If you selected **Custom logs** in the **Select logs for event collection** section of the initial configuration window,and you want to add filtering for the local host, check **Custom Logs**

in the **Select logs for event collection** section to ensure this window is displayed for you to enter filter parameters.

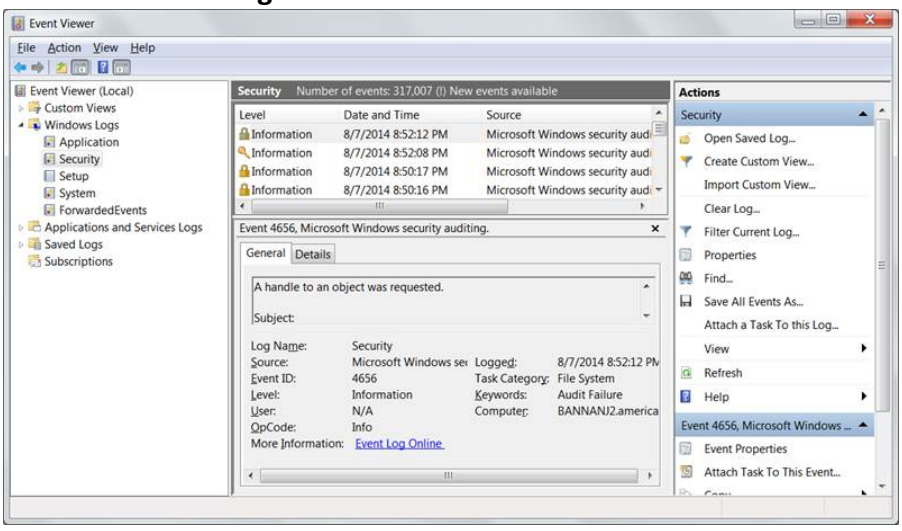
The parameters for each host are given in full along with descriptions in the following table. Selections from the initial parameter entry window for the local host are reflected in the first row of the table. Select options and provide custom log and filter information for each additional host manually.

After entering the parameter information, click **Next**.

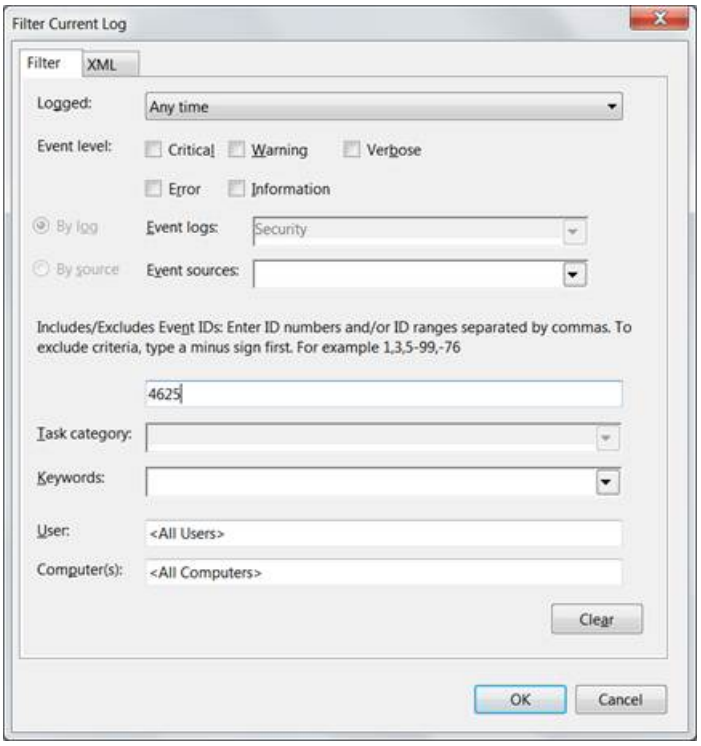
Configuring Filter

To configure a filter, first launch the event viewer and select the event log that needs the filter setting.

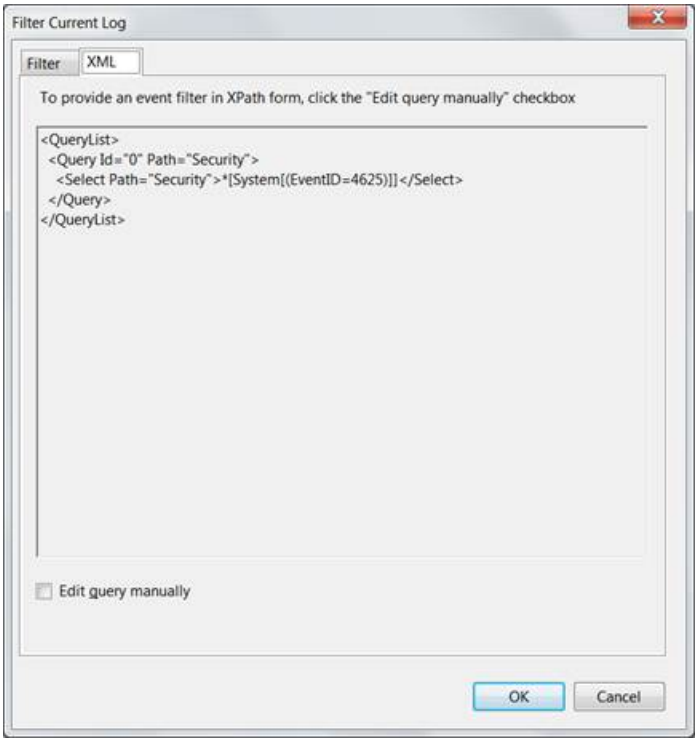
1. Click **Filter current log** to set the filter.



For example, to collect the logon failure events whose Event ID is 4625, enter the Event ID number as shown in the following figure.



2. Click the **XML** tab. The query is displayed in XML.



The expression that appears between `<Select>` and `</Select>` is the value that can be entered in the filter. Here it writes `*[System[(EventID=4625)]]`. This can be copied to the **Filter** column in the host table parameter for the desired event log.

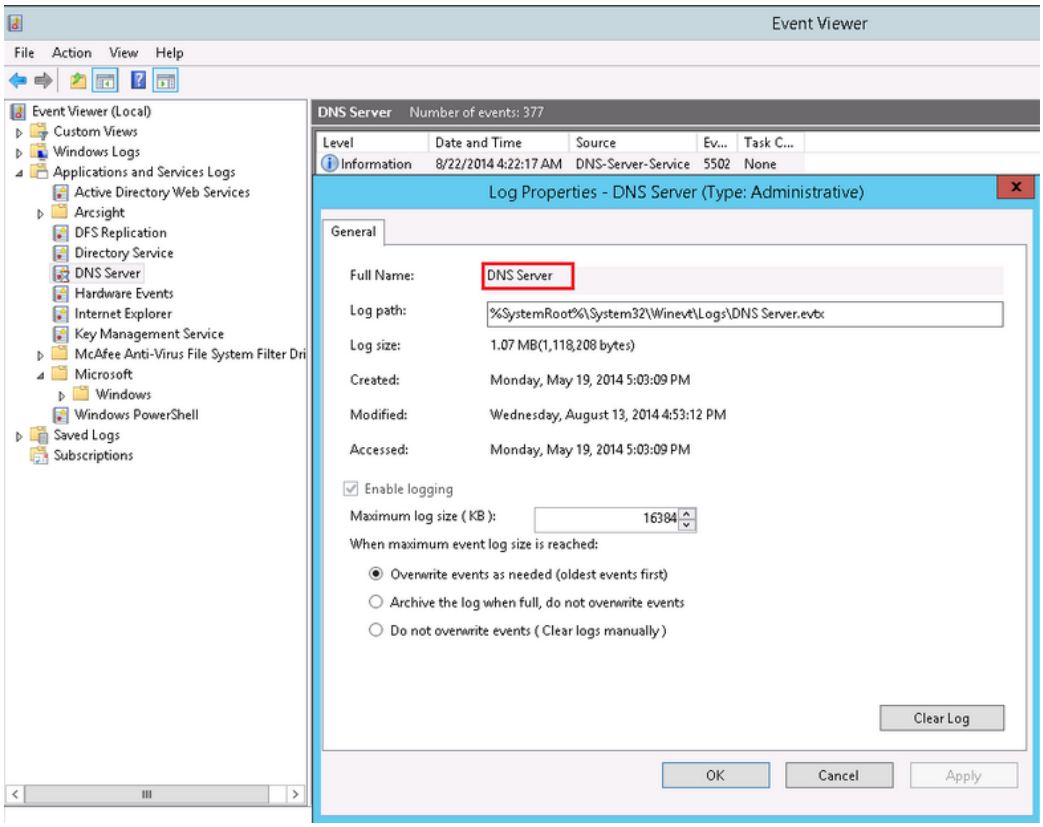
Note: In certain cases, the text cannot be directly copied to the Filter column in the UI wizard. If the filter text contains “gt;”, “lt;”, “gt;=” or “lt;=” , you must replace it with “>”,“<”, “>=” or “<=” respectively.

Specifying Custom Log Names

In the Windows Host parameters window, a column for the **Custom Log Names** parameter lets you specify names of custom event logs. Applications also can generate events for a custom application event log, such as DNS Server, Directory Service, Exchange Auditing, and so on. (Parsing support for only the event header is supported for application events.)

For example, specify `Directory Service` for Active Directory and `Exchange Auditing` for Microsoft Exchange Audit. For Microsoft Windows Print Service Admin log, use `Microsoft-Windows-PrintService/Admin`.

To identify the Custom Event Log Name, select the **Custom Application Event Log** in the Microsoft Windows **Event Viewer**. The log name can be found from the properties of the event log in the **Full Name** field, as shown in the following figure.



For more information about setting this parameter, see "Advanced Configuration Parameters per Host."

Configuring the Host Browsing Thread Sleep Time

If you selected **Use Active Directory for OS version** to specify the Windows OS version for the hosts from which you want to collect eventSelect this option, then the connector retrieves the host details from the configured Active Directory to identify the event source host Windows version information.

Newly discovered hosts are added to the lookup automatically without having to reconfigure the connector itself. Active Directory information is verified every time the connector starts and every 24 hours (86400000 milliseconds).

To change the time setting:

1. Open the `agent.properties` file in `$ARCSIGHT_HOME/current/agent`
2. Set the **hostbrowsingthreadsleeptime** parameter to the number of milliseconds between host browsing queries. This value must be greater than 0. If the value is set to 0, then it does not perform periodic host browsing.

Creating a Source Hosts File

During connector configuration, if **File as Source for OS Version** is selected, then create a source host file in .csv format with the host name and Windows OS version, and upload the file during the connector configuration.

Note: The host file, which is imported to or exported from the host table during installation, and the source host file specified in the **WEF Source Hosts File Name** field are two different entities. The source host file contains only the host name and version information to populate the version in the device version field.

When creating a source host file, make sure to specify the FQDN registered with Active Directory, as the connector finds the version information using the computer name in the event. An example of the source host file could be:

```
Hostsd.domaind.com,Windows Server 2016
```

The valid versions descriptions (case sensitive) that can be used in source hosts files are:

```
Windows Server 2016
```

Note: OS version information is optional; events may still be parsed in a majority of cases.

After the configuration, the OS version is loaded from the source host file when the connector is running on its first run, and is reloaded on the next startup of the connector when the source host file has a timestamp different from the one loaded from the last file processed.

The device version will not be populated in the normalized events.

Collecting Events from the Event Log

To set up the connector to collect application events:

1. From $ARCSIGHT_HOME\current\bin, double-click **runagentsetup.bat**.
2. Select **Modify Connector** on the window displayed and click **Next**.

3. Select **Modify connector parameters** and click **Next**.
4. Select Navigate to the **Modify table parameters** window.
5. To collect events from an application log, modify the **Application** field by selecting **true** for event collection in the Application field and enter **Directory Service** in the **Custom Log Names** field.

   You can specify multiple Custom Log Names in a comma-separated format; for example:

   ```
   Directory Service, Exchange Auditing
   ```
6. Click **Next** to update the parameters; when you receive the successful update message, click **Next**.
7. Select **Exit** and click **Next** to exit the configuration wizard.
8. Restart the connector for your changes to take effect.

For more information about application event support, see the *SmartConnector Configuration Guide for Microsoft Windows Event Log – Native*.

Configuring Advanced Options

This section documents some of the advanced configuration parameters available with this connector. The table following the procedure for accessing advanced configuration parameters details the parameters you may choose to adjust, depending upon the needs of your enterprise.

Accessing Advanced Parameters

After SmartConnector installation, you can edit the `agent.properties` file to modify parameters. This file can be found at `$ARCSIGHT_HOME\current\user\agent`.

Advanced Container Configuration Properties

Specify	Parameter	Default
The protocol used between the connector and the collector. Currently supports TCP protocol.	`mq.transport.protocol`	`tcp`
The port used between the connector and the collector. The specified port will be bound during the connector installation. If more than one connector is to be installed on the same host, configure this with an unused port number.	`mq.server.listener.port`	`61616`
Whether the SID translation is required or not. The SID should be present in the remote host. **Note:** There may be a slight performance hit when being used.	`winc.winc-agent.enableSidTranslation`	`True`
The protocol used between the connector and the collector for event collection. Currently supports Raw TCP and TLS protocol. If you have installed the SmartConnector on the Win 2012 and Win 2012 R2 (with the latest security updates) and you want to use TLS, then perform the following steps: 1. Stop the connector. 2. Add the following cipher information in the `agent.properties file: syslogng.ssl.cipher.suites=TLS_DHE_RSA_WITH_AES_128_GCM_SHA256` 3. Restart the connector.	`agents[0].communicationprotocol`	`TLS`
The port used between the connector and the collector for event collection. The default value is 30000, the port availability is checked sequentially and used if it's available.	`agents[0].port`	`30000`
Connector to use file queue to store the received raw events from the collector and process. Default value is true.	`agents[0].usefilequeue`	`True`
Maximum number of queue files to store the raw events. Default value is 100.	`agents[0].filequeuemaxfilecount`	`100`
Maximum size of each queue file. Default value is 10 MB.	`agents[0].filequeuemaxfilesize`	`10000000`
Number of event processing threads.	`syslog.parser.threadcount`	`2`

Advanced Common Configuration Parameters

Specify	Parameter	Default
Thread count for event processing threads dedicated for a single collector.	`eventprocessthreadcount`	`10`
The queue size used to hold the ready to execute event processing task to improve performance. Larger queue length means bigger memory footprint and it does not necessarily help with performance improvement, as a limited number of threads are available for processing.	`Executequeuelength`	`100`
By default the statistics are calculated every 10 minutes and dumped into both the `agent.log` and to the `EventStats` report file in `user/agent/agentdata`. This interval governs how often stats are calculated. Stats include average per last interval for events per second.	`pdastatsinterval`	`600000ms`
Whether to preserve the last ID processed before connector terminated or device went down.	`preservestate`	`true`
Event count before writing the preserve state.	`preservedstatecount`	`100`
Time interval in ms before writing the preserve state.	`preservedstateinterval`	`10000`

Advanced Configuration Parameters per Host

Specify	Parameter	Default
Whether to get the real-time events or read from the beginning of the event logs	startatend	true
To collect application events from custom application event logs, provide a comma separated list of the custom application event logs. Workgroup hosts have their separate shared SID cache.	eventlogtypes	null

Advanced Configuration Parameters for SID and GUID Translation

Specify	Parameter	Default
To enable GUID translation	`enableguidtranslation`	`false`
Size of the cache to store the GUIDs and their translated values	`guidcachesize`	`50000`
Time-to-live in ms for the GUID entries in the caches	`guidcachetimetolive`	`600000`
Interval in milliseconds (ms) at which the SID and GUID entries are to be expired from the caches	`sidguidcacheexpirationthreadsleeptime`	`600000`
Interval in ms at which the SID and GID caches are persisted to disk files. Each domain's SID cache is persisted to a separate disk file. The SID cache for workgroup hosts is persisted to a separate shared disk file.	`sidguidcachepersistencethreadsleeptime`	`600000`

Customizing Event Source Mapping

The Windows Event Log – Native application/system event parser loading mechanism relies on the event source for each event and attempts to load a parser with the following name convention:

```
<Channel>\<ProviderName>.sdkkeyvaluefilereader.properties
```

This convention works in the vast majority of cases but sometimes the parser needs more flexibility. In these cases, you can customize where to find these parsers by redirecting the variables `Channel` and `ProviderName`. For even more flexibility, the input `ProviderName` can be matched against a regular expression to avoid duplicate entries with minimal changes.

Creating an Override Map File

1. Navigate to `$ARCSIGHT_HOME/current/user/agent/fcp/winc/core_maps` and create an override map file with the name `customeventsource.map.csv` including the following columns:

```
SourceChannel
SourceProviderNamePattern
TargetProviderName
TargetChannel
```

The SourceProviderNamePattern value can be a string or a regular expression.

2. If there is no winc/coremaps subdirectory at $ARCSIGHT_HOME/current/user/agent/fcp, create one.
3. The last field TargetChannel is optional and, if empty, will be understood as the same as SourceChannel.

Customizing Event Parsing in a Clustered Environment

The default parser filename convention can cause problems in clustered environments, where the same event from different clusters can have different customized provider names. For example, SQL Server application events have the ProviderName MSSQLSERVER, resulting in a parser name of application\mssqlserver.sdkkeyvaluefilereasder.properties.

In a clustered SQL Server environment, you can customize and configure the provider name for each cluster as SQLSERVER01, SQLSERVER02, and so forth. However, if the connector expects MSSQLSERVER as the provider name, the parsing fails for events with customized provider names, if the different providers have different names

To avoid this outcome, you can map all these different providers into one provider name value using the map file $ARCSIGHT_HOME/user/agent/fcp/winc/core_maps/customeventsource.map.csv.

The following are example entries based for a clustered environment:

```
Application, MSSQLSERVER01, MSSQLSERVER, Application
Application, MSSQLSERVER\d*, MSSQLSERVER, Application
Application, MSSQLSERVER.*, MSSQLSERVER, Application
```

The following are contents of a sample customeventsource.map.csv file with two entries:

```
#SourceChannel, SourceProviderNamePattern, TargetProviderName,
 System,        Service.*,                 service_control_manager,
 Application,   MSSQLSERVER.*,             MSSQLSERVER,
```

Creating Custom Parsers for System and Application Events

The SmartConnector provides complete parsing of both the Windows event header and event description for all security events and some system events. For all system and application events, the connector provides complete parsing of the Windows event header. Also, the connector provides a framework to create and deploy your own parsers to parse the event description. Such a parser can parse events specific to a Channel and ProviderName.

Note: Custom Parsers or overrides you create are customizations. These are not certified for use through the ArcSight Quality Assurance Life Cycle of Testing. These are to be developed, tested, and maintained by the creator of the Custom Parser or override.

This section has the following topics:

Before Creating a Parser

Complete the following steps before creating a parser:

1. Generate the system or application events of interest.
2. Configure the connector to collect the system or application events and preserve the raw events.

   When collecting events from system event logs (such as Service Control Manager, WINS), select **System** for **Windows Log type**.

   When collecting events from application event logs (such as Microsoft Forefront Protection 2010 for Exchange, Microsoft SQL Server Audit), select **Application** for **Windows Log type**.
3. Run the connector to collect the system or application events and to generate the ArcSight raw events. The raw events will contain key-value pairs in JSON format. Using these generated raw events, see "Create and Deploy Your Own Parser" to map the values of these keys to the ArcSight event schema fields by creating a parser file.

   Note: Not all raw events will have key-value pairs in the event body. Such events do not require that you create a parser to map anything to the ArcSight event schema fields. But you can still choose to create a parser to map the event name or description for such events.

Creating and Deploying Your Own Parser

To create and deploy your own parser:

1. Navigate to the directory location to deploy the parser file:

   ```
   $ARCSIGHT_HOME\user\agent\fcp\winc
   ```

2. Identify the Channel for the events that need to be parsed (for example: System, Application, Directory Service, DNS Server, Key Management Service, and so on).
3. Identify the provider name of the events that need to be parsed, as events collected from a single channel can be generated by multiple provider names. For example, events collected from `Channel: System` can be generated by `ProviderName: Service Control Manager`, `WINS`, and so on.
4. Identify the `SectionName` of the event body that needs to be parsed, such as `EventData`, `UserData`, and so on.
   a. To parse the `EventData` section of the event body, create a key value parser file with the following naming convention, in the directory location identified in **Step 1**.

      ```
      \{Normalized Channel}\
      {Normalized ProviderName}.sdkkeyvaluefilereader.
      properties
      ```

      For example, the key-value parser file name for:

      - Channel: `Security`
      - ProviderName: `Microsoft Windows Event Log`
      - SectionName: `EventData`

      will be:

      ```
      \security\microsoft_windows_
      eventlog.sdkkeyvaluefilereader.properties
      ```

   b. To parse the other sections of the event body, such as `UserData`, create a JSON parser file with the following naming convention, in the directory location identified in **Step 1**.

      ```
      \{Normalized Channel}\{Normalized ProviderName}.{Normalized
      SectionName}. jsonparser.properties
      ```

      For example, the key-value parser file name for:

- Channel: `Security`
- ProviderName: `Microsoft Windows Event Log`
- SectionName: `UserData`

will be:

```
\security\microsoft_windows_eventlog.userdata.jsonparser.properties
```

Note: Normalize the `Channel`, `ProviderName`, and `SectionName` values by changing all letters to lower case, and then replacing each character that is not a letter or digit (including special characters and spaces) with an underscore character (_). Do not normalize the `Locale` and `Encoding` values.

5. Create mappings in these parsers as per your requirements by using conditional mappings based upon the ArcSight `externalId` field, which is already mapped to the Windows Event ID.

   Because the connector already maps the Windows event header fields to ArcSight event fields as previously mentioned, those mappings need not be re-defined (unless you need to override the mapping values). The only mappings required are for mapping the specific event description.

   a. The following event header key-value parser can be used as a reference for:

      - Channel: `Security`
      - ProviderName: `Microsoft Windows Event Log`
      - SectionName: `EventData`

      to map the event name fields:

```
key.delimiter=&&
key.value.delimiter==
key.regexp=([^&=]+)

event.deviceVendor=__getVendor("Microsoft")

conditionalmap.count=1
conditionalmap[0].field=event.externalId
conditionalmap[0].mappings.count=2

# The event logging service has shut down.
conditionalmap[0].mappings[0].values=1100
conditionalmap[0].mappings[0].event.flexString1=
conditionalmap[0].mappings[0].event.name=__stringConstant("The event
logging service has shut down.")
```

```
# The security log is now full.
conditionalmap[0].mappings[1].values=1104
conditionalmap[0].mappings[1].event.flexString1=
conditionalmap[0].mappings[1].event.name=__stringConstant("The
security log is now full.")
```

Make sure that no trailing spaces appear in your file after you copy and paste this example.

b. The `UserData` section from following sample JSON parser can be used as a reference:

- Channel: `Security`
- ProviderName: `Microsoft Windows Event Log`
- SectionName: `UserData`

Sample `UserData` section:

```
{
   "UserData": {
      "LogFileCleared":
```

```
         "@xmlns:auto-ns3":
"http://schemas.microsoft.com/win/2004/08/events",
         "@_xmlns_":
http://manifests.microsoft.com/win/2004/08/windows/eventlog",
         "SubjectUserSid": "S-1-5-18",
         "SubjectUserName": "SYSTEM",
         "SubjectDomainName": "NT AUTHORITY",
         "SubjectLogonId": "0x3e7"
         }
      }
}
```

c. The following EventBody JSON parser can be used as a reference:

- Channel: `Security`
- ProviderName: `Microsoft Windows Event Log`
- SectionName: `UserData`

Sample `EventBody` section:

```
trigger.node.location=/UserData
event.deviceVendor=__getVendor("Microsoft")
token.count=7
token[0].name=SubjectUserSid
```

```
token[0].location=LogFileCleared/SubjectUserSid
token[0].type=String

token[1].name=SubjectUserName
token[1].location=LogFileCleared/SubjectUserName
token[1].type=String

token[2].name=SubjectDomainName
token[2].location=LogFileCleared/SubjectDomainName
token[2].type=String

token[3].name=SubjectLogonId
token[3].location=LogFileCleared/SubjectLogonId
token[3].type=String

token[4].name=Reason
token[4].location=AuditEventsDropped/Reason
token[4].type=String

token[5].name=Channel
token[5].location=AutoBackup/Channel
token[5].type=String

token[6].name=BackupPath
token[6].location=AutoBackup/BackupPath
token[6].type=String

conditionalmap.count=1
conditionalmap[0].field=event.externalId
conditionalmap[0].mappings.count=3

conditionalmap[0].mappings[0].values=1101
conditionalmap[0].mappings[0].event.name=__stringConstant("Audit
events have been dropped by the transport. The real time backup file
was corrupt due to improper shutdown.")
conditionalmap[0].mappings[0].event.deviceCustomNumber3=__safeToLong
(Reason)
conditionalmap[0].mappings[0].event.deviceCustomNumber3Label=__
stringConstant("Reason Code")

conditionalmap[0].mappings[1].values=1102
conditionalmap[0].mappings
[1].event.destinationNtDomain=SubjectDomainName
conditionalmap[0].mappings[1].event.destinationUserName=__
```

```
extractNTUser
(__oneOf(SubjectUserName,SubjectUserSid))
conditionalmap[0].mappings[1].event.destinationUserId=SubjectLogonId
conditionalmap[0].mappings[1].event.name=__stringConstant("The audit
log was cleared.")

conditionalmap[0].mappings[2].values=1105
conditionalmap[0].mappings[2].event.fileType=Channel
conditionalmap[0].mappings[2].event.fileName=BackupPath
conditionalmap[0].mappings[2].event.name=__stringConstant("Event log
automatic backup")
```

Make sure that no trailing spaces appear in your file after you copy and paste this example.

6. Start the connector.

Verify categorization of new events to see if additional categorization are required. For information about categorization, see the Technical Note *ArcSight Categorization: A Technical Perspective* available from the OpenText Software Support site. For more information about creating parsers, see the Developer's Guide to FlexConnectors.

Customizing Localization Support

ArcSight SmartConnectors provide the event collection layer for ArcSight SIEM. Therefore, in the context of SmartConnectors, localization is related to the collection, parsing, and normalization of event messages that are generated by localized events and written in non-English languages. Localization (L10 N) is the process of converting a program to run in a particular locale or country, which includes displaying all text and translating the user interface into the native language.

To add location support beyond that provided by ArcSight, complete the following these steps.

1. Identify the Channel, ProviderName, locale, and encoding of the event for which you want to localize the event data.
2. Configure the host table parameters with the appropriate locale and encoding parameter values identified in step 1.

```
agents[x].windowshoststable[y].locale=<Locale>
   agents[x].windowshoststable[y].encoding=<Encoding>
```

where x is the index of the connector and y is the index of hosts in the connector configuration.

Example:

```
agents[0].windowshoststable[0].locale=de_DE
   agents[0].windowshoststable[0].encoding=UTF-8
```

3. To add support for locales and encodings not shown in the connector host table configuration selections, change the `Locale` and `Encoding` values of the following lines in the `agent.properties` file (which can be found at `$ARCSIGHT_HOME\current\user\agent`):
4. Enter the type of character set encoding of the events in the log file, for example `event.name`. Create your content relative to this location: `$ARCSIGHT_HOME\user\agent\fcp\winc\`.
5. Identify the parser from which you want to invoke the localization extra-processor map file.

```
$ARCSIGHT_HOME\user\agent\winc\<NormalizedChannel>\
   <NormalizedProviderName>.sdkkeyvaluefilereader.properties
```

Example:

```
$ARCSIGHT_HOME\user\agent\winc\security\
   microsoft_windows_security_
auditing.sdkkeyvaluefilereader.properties
```

Note: Normalize the **Channel**, **ProviderName**, and **SectionName** values by changing all letters to lower case, and then replacing each character that is not a letter or digit (including special characters and spaces) with an underscore character (_). Do not normalize the **Locale** and **Encoding** values.

6. For each locale and encoding combination, declare an extra-processor map file within this parser.

```
extraprocessor[4].type=map
extraprocessor
[4].filename=winc/<NormalizedChannel>/<NormalizedProviderName.
   <Locale>.<Encoding>.map.csv
extraprocessor[4].conditionfield=event.oldFileHash
extraprocessor[4].conditiontype=equals
extraprocessor[4].conditionvalues=<Locale>|<Encoding>
extraprocessor[4].charencoding=<Encoding>
extraprocessor[4].allowoverwrite=true
extraprocessor[4].overrideeventmappings=true
extraprocessor[4].clearfieldafterparsing=false
extraprocessor[4].flexagent=false
```

Example:

```
extraprocessor[4].type=map
extraprocessor[4].filename=winc/security/
   microsoft_windows_security_auditing.fr_CA.UTF-8.l10n.map.csv
extraprocessor[4].conditionfield=event.oldFileHash
extraprocessor[4].conditiontype=equals
extraprocessor[4].conditionvalues=fr_CA|UTF-8
extraprocessor[4].charencoding=UTF-8
extraprocessor[4].allowoverwrite=true
extraprocessor[4].overrideeventmappings=true
extraprocessor[4].clearfieldafterparsing=false
extraprocessor[4].flexagent=false
```

7. Create the L10N extra-processor map file:

```
$ARCSIGHT_HOME\user\agent\winc\<NormalizedChannel>\
   <NormalizedProviderName>.<Locale>.<Encoding>.l10n.map.csv
```

Note: When creating, editing, or saving the L10N extra-processor map file, don't use an application with a default of **ASCII**, **UTF-8**, or other generic encoding. Create the file on the localized device or in a localized editor, and be sure that the encoding isn't overwritten when you save it.

Example:

```
$ARCSIGHT_HOME\user\agent\winc\security\
   microsoft_windows_security_auditing.fr_CA.UTF-8.l10n.map.csv
```

Note: Normalize the **Channel**, **ProviderName**, and **SectionName** values by changing all letters to lower case, and then replacing each character that is not a letter or digit (including special characters and spaces) with an underscore character (_). Do not normalize the **Locale** and **Encoding** values.

8. Within this file, declare the getters and setters, and add all the localization content. Use the event.externalId field as the getter, and the field that you want to localize as the setter. A sample file is shown for French:

```
event.externalId,set.event.name
"4886","Les services de certificats ont reçu une demande de
certificat."
"4887","Les services de certificats ont approuvé une demande de
certificat et émis un certificat."
"4884","Les services de certificats ont importé un certificat dans sa
base de données."
"4885","Le filtre d'audit des services de certificats modifié."
"4882","Les autorisations de sécurité pour les services de certificats
```

```
ont été modifiées."
"4883","Les services de certificats ont récupéré une clé archivée."
"4880","Les services de certificats ont démarré."
"4881","Les services de certificats se sont arrêtés."
...
...
```

Note: Additional mapping can be set from ESM. Go to your ESM Console and run **Get Additional Data**. The command can only collect additional data from supported sources. Unsupported sources collect additional data from the event header.

Event Mappings to ArcSight Fields

This section provides information about event mappings to ArcSight fields:

Event Mappings for Active Directory

This section has the following topics:

General Mappings

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'

NTDS Database Mappings

Event 1000

ArcSight Field	Vendor Field
Device Version	%1 (Microsoft Active Directory Domain services version)
Name	'Microsoft Active Directory Domain Services startup complete'

Event 1394

ArcSight Field	Vendor Field
Name	'All problems preventing updates to the Active Directory Domain Services database have been cleared. New updates to the Active Directory Domain Services database are succeeding. The Net Logon service has restarted'

Event 1404

ArcSight Field	Vendor Field
Name	'This directory service is now the intersite topology generator and has assumed responsibility for generating and maintaining intersite replication topologies for this site'

Event 1844

ArcSight Field	Vendor Field
Device Custom String 1	Directory partition
Device Custom String 4	Reason or Error Code
Name	'The local domain controller could not connect with domain controller hosting directory partition to resolve distinguished names'

Event 2064

ArcSight Field	Vendor Field
Message	'Active Directory has detected that the quota-tracking table is either missing or not completely built. The table will be rebuilt in the background (resuming the progress of any previous rebuild, if possible). Until it has completed, quota enforcement will not be in effect'
Name	'Active Directory has detected that the quota-tracking table is either missing or not completely built'

Event 2065

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services has completed rebuilding the quota-tracking table. Quota enforcement is now in effect'

Event 2886

ArcSight Field	Vendor Field
Message	'Even if no clients are using such binds, configuring the server to reject them will improve the security of this server. Some clients may currently be relying on unsigned SASL binds or LDAP simple binds over a non-SSL/TLS connection, and will stop working if this configuration change is made. To assist in identifying these clients, if such binds occur this directory server will log a summary event once every 24 hours indicating how many such binds occurred. You are encouraged to configure those clients to not use such binds. Once no such events are observed for an extended period, it is recommended that you configure the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the "LDAP Interface Events" event logging category to level 2 or higher'
Name	'The security of this directory server can be significantly enhanced by configuring the server to reject SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP binds that do not request signing (integrity verification) and LDAP simple binds that are performed on a cleartext (non-SSL/TLS-encrypted) connection'

Windows 2022 NTDS Database Mappings

Event 1009

ArcSight Field	Vendor Field
Name	The Knowledge Consistency Checker (KCC) has started updating the replication topology for the directory service.

Event 1013

ArcSight Field	Vendor Field
Name	The replication topology update task terminated normally.

Event 1133

ArcSight Field	Vendor Field
Name	This directory service is the intersite topology generator for the following site.
Device Custom String 5 Label	Site
Device Custom String 5	%1

Event 1166

ArcSight Field	Vendor Field
Name	Active Directory Domain Services might use the following index to optimize a query. The approximate record count for using this index is as follows.
Old File Path	%1
Device Custom Number 1 Label	Record Count
Device Custom Number 1	%2

Event 1167

ArcSight Field	Vendor Field
Name	Active Directory Domain Services will use the following index as the optimal index for this query.
Old File Path	%1

Event 1197

ArcSight Field	Vendor Field
Name	The directory partition has the following number of full-replica sites and partial-replica sites.
Device Custom String 1 Label	Directory Partition
Device Custom String 1	%1
Device Custom Number 1 Label	Full-replica sites

ArcSight Field	Vendor Field
Device Custom Number 1	%2
Device Custom Number 2 Label	Partial-replica sites
Device Custom Number 2	%3

Event 1257

ArcSight Field	Vendor Field
Name	The security descriptor propagation task is processing a propagation event starting from the following container.
Device Custom String 6 Label	Container
Device Custom String 6	%1

Event 1258

ArcSight Field	Vendor Field
Name	The security descriptor propagation task has finished processing a propagation event starting from the following container.
Device Custom String 6 Label	Container
Device Custom String 6	%1
Device Custom Number 2 Label	Number of objects processed
Device Custom Number 2	%2

Event 1260

ArcSight Field	Vendor Field
Name	The security descriptor propagation task is waiting for a propagation event.

Event 1261

ArcSight Field	Vendor Field
Name	The security descriptor propagation task has been notified of waiting propagation events.

Event 1481

ArcSight Field	Vendor Field
Name	The operation on the object failed.
Reason	%1

Event 1515

ArcSight Field	Vendor Field
Name	Active Directory Domain Services received a request for directory service information for the following directory partition.
Device Custom String 1 Label	Directory partition
Device Custom String 1	%1
Device Custom Number 2 Label	Information level
Device Custom Number 2	%2

Event 1516

ArcSight Field	Vendor Field
Name	Active Directory Domain Services completed the request for directory service information.
Reason	%1

Event 1517

ArcSight Field	Vendor Field
Name	Active Directory Domain Services received a request for group memberships with the following parameters.
Old File Hash	%1
Old File Permission	%2
Old File Name	%4

Event 1518

ArcSight Field	Vendor Field
Name	Active Directory Domain Services completed the request for group memberships.
Reason	%1

Event 1544

ArcSight Field	Vendor Field
Name	The following directory service was chosen as a bridgehead server for this site.
Device Custom String 6 Label	Directory Service
Device Custom String 6	%1
Device Custom String 5 Label	Site
Device Custom String 5	%2
Device Custom String 1 Label	Directory partition
Device Custom String 1	%3

Event 1585

ArcSight Field	Vendor Field
Name	The Windows NT 4.0 or earlier replication checkpoint with the PDC emulator master was successful.

Event 1904

ArcSight Field	Vendor Field
Name	The Knowledge Consistency Checker (KCC) is using the Windows Server 2003 intersite replication topology generator algorithm.

Windows 2008 NTDS Database Mappings

General

ArcSight Field	Vendor Field
Name	'Microsoft Active Directory Domain Services startup complete'
Device Version	Microsoft Active Directory Domain services version

Event 1000

ArcSight Field	Vendor Field
Name	'Microsoft Active Directory Domain Services startup complete'
Device Version	%1 (Microsoft Active Directory Domain services version)

Event 1394

ArcSight Field	Vendor Field
Name	'All problems preventing updates to the Active Directory Domain Services database have been cleared. New updates to the Active Directory Domain Services database are succeeding. The Net Logon service has restarted'

Event 1404

ArcSight Field	Vendor Field
Name	'This directory service is now the intersite topology generator and has assumed responsibility for generating and maintaining intersite replication topologies for this site'

Event 1844

ArcSight Field	Vendor Field
Name	'The local domain controller could not connect with domain controller hosting directory partition to resolve distinguished names'
Device Custom String 1	Directory partition
Device Custom String 4	Reason or Error Code

Event 2064

ArcSight Field	Vendor Field
Name	'Active Directory has detected that the quota-tracking table is either missing or not completely built'
Message	'Active Directory has detected that the quota-tracking table is either missing or not completely built. The table will be rebuilt in the background (resuming the progress of any previous rebuild, if possible). Until it has completed, quota enforcement will not be in effect'

Event 2065

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services has completed rebuilding the quota-tracking table. Quota enforcement is now in effect'

Event 2886

ArcSight Field	Vendor Field
Name	'The security of this directory server can be significantly enhanced by configuring the server to reject SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP binds that do not request signing (integrity verification) and LDAP simple binds that are performed on a cleartext (non-SSL/TLS-encrypted) connection'
Message	'Even if no clients are using such binds, configuring the server to reject them will improve the security of this server. Some clients may currently be relying on unsigned SASL binds or LDAP simple binds over a non-SSL/TLS connection, and will stop working if this configuration change is made. To assist in identifying these clients, if such binds occur this directory server will log a summary event once every 24 hours indicating how many such binds occurred. You are encouraged to configure those clients to not use such binds. Once no such events are observed for an extended period, it is recommended that you configure the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the "LDAP Interface Events" event logging category to level 2 or higher'

Windows 2008 General NTDS Mappings

Event 1000

ArcSight Field	Vendor Field
Name	'Microsoft Active Directory startup complete'
Device Version	%1 (Microsoft Active Directory Domain Services version)

Event 1004

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services was shut down successfully'

Event 1104

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) successfully terminated change notifications'
Message	'This event can occur if either this directory service or the destination directory service has been moved to another site'
Destination Host Name	%2 (Destination network address)
Device Custom String 1	Directory partition
Device Custom String 6	Destination directory service
Source User Name	User

Event 1126

ArcSight Field	Vendor Field
Name	'Active Directory was unable to establish a connection with the global catalog'
Message	'Make sure a global catalog is available in the forest, and is reachable from this domain controller. You may use the nltest utility to diagnose this problem'
Device Custom String 4	Reason or Error Code
Device Custom String 5	Internal ID

Event 1308

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) has detected that successive attempts to replicate with the following directory service has consistently failed'
Message	'The Connection object for this directory service will be ignored, and a new temporary connection will be established to ensure that replication continues. Once replication with this directory service resumes, the temporary connection will be removed'
Device Custom Number 2	Period of time (minutes)
Device Custom Number 3	Attempts
Device Custom String 4	Reason or Error Code
Device Custom String 6	Directory service

Event 1394

ArcSight Field	Vendor Field
Name	'All problems preventing updates to the Active Directory Domain Services database have been cleared'
Message	'New updates to the Active Directory Domain Services database are succeeding. The Net Logon service has restarted'

Event 1463

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services has detected and deleted some possibly corrupted indices as part of initialization'

Event 1844

ArcSight Field	Vendor Field
Name	'The local domain controller could not connect with domain controller hosting directory partition to resolve distinguished names'
Device Custom String 1	Directory partition

ArcSight Field	Vendor Field
Device Custom String 4	Reason or Error Code
Device Custom String 5	Internal ID
Destination Host name	%5 (source directory service address)

Event 1863

ArcSight Field	Vendor Field
Name	'This directory server has not received replication information from a number of directory servers within the configured latency interval'
Device Custom String 1	Directory partition
Device Custom Number 1	Number of directory servers in all sites
Device Custom Number 2	Number of directory servers in this site
Device Custom Number 3	Latency Interval (Hours)
File Type	Registry Key
File Name	%5 (Registry Key)

Event 1864

ArcSight Field	Vendor Field
Name	'This is the replication status for directory partition on this directory server'
Message	'Directory servers that do not replicate in a timely manner may encounter errors. They may miss password changes and be unable to authenticate. A DC that has not replicated in a tombstone lifetime may have missed the deletion of some objects, and may be automatically blocked from future replication until it is reconciled'
Device Custom String 1	Directory partition
Device Custom Number 1	More than 24 hours
Device Custom Number 2	More than a week
Device Custom Number 3	More than one month

Event 1869

ArcSight Field	Vendor Field
Name	'Active Directory has located a global catalog'
Device Custom String 5	Site
Destination Host Name	%1 (Global catalog)

Event 1898

ArcSight Field	Vendor Field
Name	'Internal event: Schema object was modified'
Device Custom String 5	Schema object
File Name	%1 (Schema object name)
File Type	'Schema object'

Event 1925

ArcSight Field	Vendor Field
Name	'The attempt to establish a replication link for writable directory partition failed'
Message	'This directory service will be unable to replicate with the source directory service until this problem is corrected'
Destination Host Name	%2 (Source directory service address)
Device Custom String 1	Directory partition
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source directory service
Source User Name	User

Event 1926

ArcSight Field	Vendor Field
Name	'The attempt to establish a replication link to a read-only directory partition failed'
Destination Host Name	%2 (Source domain controller address)

ArcSight Field	Vendor Field
Device Custom String 1	Directory partition
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
Source User Name	User

Event 2013

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services is rebuilding indices as part of the initialization process'
Device Custom Number 3	Indices

Event 2014

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services successfully completed rebuilding indice'
Device Custom Number 3	Indices

Event 2041

ArcSight Field	Vendor Field
Name	'Duplicate event log entries were suppressed'
Message	'See the previous event log entry for details. An entry is considered a duplicate if the event code and all of its insertion parameters are identical. The time period for this run of duplicates is from the time of the previous event to the time of this event'
Device Custom String 1	Event Code
Device Custom Number 3	Number of duplicate entries

Event 2064

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services has detected that the quota-tracking table is either missing or not completely built'
Message	'The table will be rebuilt in the background (resuming the progress of any previous rebuild, if possible). Until it has completed, quota enforcement will not be in effect'

Event 2087

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not resolve DNS host name of the source domain controller to an IP address'
Message	'This error prevents additions, deletions and changes in Active Directory Domain Services from replicating between one or more domain controllers in the forest. Security groups, group policy, users and computers and their passwords will be inconsistent between domain controllers until this error is resolved, potentially affecting logon authentication and access to network resources'
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
File Type	'Registry key'
File Name	All of (%5,'\\',%6)
Destination Host Name	%2 (Failing DNS host name)

Event 2088

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not use DNS to resolve the IP address of the source domain controller'
Message	'To maintain the consistency of Security groups, group policy, users and computers and their passwords, Active Directory Domain Services successfully replicated using the NetBIOS or fully qualified computer name of the source domain controller. Invalid DNS configuration may be affecting other essential operations on member computers, domain controllers or application servers in this Active Directory Domain Services forest, including logon authentication or access to network resources. You should immediately resolve this DNS configuration error so that this domain controller can resolve the IP address of the source domain controller using DNS'
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
File Type	'Registry key'
File Name	All of (%5,'\\',%6)
Destination Host Name	%2 (Failing DNS host name)

Event 2092

ArcSight Field	Vendor Field
Name	'This server is the owner of FSMO role, but does not consider it valid'
Message	'For the partition which contains the FSMO, this server has not replicated successfully with any of its partners since this server has been restarted. Replication errors are preventing validation of this role. Operations which require contacting a FSMO operation master will fail until this condition is corrected'
Device Custom String 1	%4 (FSMO Role)

Event 2886

ArcSight Field	Vendor Field
Name	'The security of this directory server can be significantly enhanced by configuring the server to reject SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP binds that do not request signing (integrity verification) and LDAP simple binds that are performed on a cleartext (non-SSL/TLS-encrypted) connection'
Message	'Even if no clients are using such binds, configuring the server to reject them will improve the security of this server. Some clients may currently be relying on unsigned SASL binds or LDAP simple binds over a non-SSL/TLS connection, and will stop working if this configuration change is made. To assist in identifying these clients, if such binds occur this directory server will log a summary event once every 24 hours indicating how many such binds occurred. You are encouraged to configure those clients to not use such binds. Once no such events are observed for an extended period, it is recommended that you configure the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the "LDAP Interface Events" event logging category to level 2 or higher'

General NTDS Mappings

Event 1000

ArcSight Field	Vendor Field
Name	'Microsoft Active Directory startup complete'
Device Version	%1 (Microsoft Active Directory Domain Services version)

Event 1004

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services was shut down successfully'

Event 1104

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) successfully terminated change notifications'
Message	'This event can occur if either this directory service or the destination directory service has been moved to another site'
Destination Host Name	%2 (Destination network address)
Device Custom String 1	Directory partition
Device Custom String 6	Destination directory service
Source User Name	User

Event 1126

ArcSight Field	Vendor Field
Name	'Active Directory was unable to establish a connection with the global catalog'
Message	'Make sure a global catalog is available in the forest, and is reachable from this domain controller. You may use the nltest utility to diagnose this problem'
Device Custom String 4	Reason or Error Code
Device Custom String 5	Internal ID

Event 1308

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) has detected that successive attempts to replicate with the following directory service has consistently failed'
Message	'The Connection object for this directory service will be ignored, and a new temporary connection will be established to ensure that replication continues. Once replication with this directory service resumes, the temporary connection will be removed'
Device Custom Number 2	Period of time (minutes)

ArcSight Field	Vendor Field
Device Custom Number 3	Attempts
Device Custom String 4	Reason or Error Code
Device Custom String 6	Directory service

Event 1394

ArcSight Field	Vendor Field
Name	'All problems preventing updates to the Active Directory Domain Services database have been cleared'
Message	'New updates to the Active Directory Domain Services database are succeeding. The Net Logon service has restarted'

Event 1463

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services has detected and deleted some possibly corrupted indices as part of initialization'

Event 1844

ArcSight Field	Vendor Field
Name	'The local domain controller could not connect with domain controller hosting directory partition to resolve distinguished names'
Device Custom String 1	Directory partition
Device Custom String 4	Reason or Error Code
Device Custom String 5	Internal ID
Destination Host name	%5 (source directory service address)

Event 1863

ArcSight Field	Vendor Field
Name	'This directory server has not received replication information from a number of directory servers within the configured latency interval'
Device Custom String 1	Directory partition
Device Custom Number 1	Number of directory servers in all sites

ArcSight Field	Vendor Field
Device Custom Number 2	Number of directory servers in this site
Device Custom Number 3	Latency Interval (Hours)
File Type	Registry Key
File Name	%5 (Registry Key)

Event 1864

ArcSight Field	Vendor Field
Name	'This is the replication status for directory partition on this directory server'
Message	'Directory servers that do not replicate in a timely manner may encounter errors. They may miss password changes and be unable to authenticate. A DC that has not replicated in a tombstone lifetime may have missed the deletion of some objects, and may be automatically blocked from future replication until it is reconciled'
Device Custom String 1	Directory partition
Device Custom Number 1	More than 24 hours
Device Custom Number 2	More than a week
Device Custom Number 3	More than one month

Event 1869

ArcSight Field	Vendor Field
Name	'Active Directory has located a global catalog'
Device Custom String 5	Site
Destination Host Name	%1 (Global catalog)

Event 1898

ArcSight Field	Vendor Field
Name	'Internal event: Schema object was modified'
Device Custom String 5	Schema object
File Name	%1 (Schema object name)
File Type	'Schema object'

Event 1925

ArcSight Field	Vendor Field
Name	'The attempt to establish a replication link for writable directory partition failed'
Message	'This directory service will be unable to replicate with the source directory service until this problem is corrected'
Destination Host Name	%2 (Source directory service address)
Device Custom String 1	Directory partition
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source directory service
Source User Name	User

Event 1926

ArcSight Field	Vendor Field
Name	'The attempt to establish a replication link to a read-only directory partition failed'
Destination Host Name	%2 (Source domain controller address)
Device Custom String 1	Directory partition
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
Source User Name	User

Event 2013

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services is rebuilding indices as part of the initialization process'
Device Custom Number 3	Indices

Event 2014

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services successfully completed rebuilding indice'
Device Custom Number 3	Indices

Event 2041

ArcSight Field	Vendor Field
Name	'Duplicate event log entries were suppressed'
Message	'See the previous event log entry for details. An entry is considered a duplicate if the event code and all of its insertion parameters are identical. The time period for this run of duplicates is from the time of the previous event to the time of this event'
Device Custom String 1	Event Code
Device Custom Number 3	Number of duplicate entries

Event 2064

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services has detected that the quota-tracking table is either missing or not completely built'
Message	'The table will be rebuilt in the background (resuming the progress of any previous rebuild, if possible). Until it has completed, quota enforcement will not be in effect'

Event 2087

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not resolve DNS host name of the source domain controller to an IP address'
Message	'This error prevents additions, deletions and changes in Active Directory Domain Services from replicating between one or more domain controllers in the forest. Security groups, group policy, users and computers and their passwords will be inconsistent between domain controllers until this error is resolved, potentially affecting logon authentication and access to network resources'

ArcSight Field	Vendor Field
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
File Type	'Registry key'
File Name	All of (%5,'\\',%6)
Destination Host Name	%2 (Failing DNS host name)

Event 2088

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not use DNS to resolve the IP address of the source domain controller'
Message	'To maintain the consistency of Security groups, group policy, users and computers and their passwords, Active Directory Domain Services successfully replicated using the NetBIOS or fully qualified computer name of the source domain controller. Invalid DNS configuration may be affecting other essential operations on member computers, domain controllers or application servers in this Active Directory Domain Services forest, including logon authentication or access to network resources. You should immediately resolve this DNS configuration error so that this domain controller can resolve the IP address of the source domain controller using DNS'
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
File Type	'Registry key'
File Name	All of (%5,'\\',%6)
Destination Host Name	%2 (Failing DNS host name)

Event 2092

ArcSight Field	Vendor Field
Name	'This server is the owner of FSMO role, but does not consider it valid'
Message	'For the partition which contains the FSMO, this server has not replicated successfully with any of its partners since this server has been restarted. Replication errors are preventing validation of this role. Operations which require contacting a FSMO operation master will fail until this condition is corrected'
Device Custom String 1	%4 (FSMO Role)

Event 2886

ArcSight Field	Vendor Field
Name	'The security of this directory server can be significantly enhanced by configuring the server to reject SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP binds that do not request signing (integrity verification) and LDAP simple binds that are performed on a cleartext (non-SSL/TLS-encrypted) connection'
Message	'Even if no clients are using such binds, configuring the server to reject them will improve the security of this server. Some clients may currently be relying on unsigned SASL binds or LDAP simple binds over a non-SSL/TLS connection, and will stop working if this configuration change is made. To assist in identifying these clients, if such binds occur this directory server will log a summary event once every 24 hours indicating how many such binds occurred. You are encouraged to configure those clients to not use such binds. Once no such events are observed for an extended period, it is recommended that you configure the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the "LDAP Interface Events" event logging category to level 2 or higher'

NTDS ISAM Mappings

Event 102

ArcSight Field	Vendor Field
Name	'The database engine started a new instance'
Device Version	All of (%5,'.',%6,'.',%7,'.',%8)
Device Custom String 5	Instance ID

Event 103

ArcSight Field	Vendor Field
Name	'The database engine stopped the instance'
Device Custom String 5	Instance ID

Event 300

ArcSight Field	Vendor Field
Name	'The database engine is initiating recovery steps'

Event 301

ArcSight Field	Vendor Field
Name	'The database engine has begun replaying logfile'
File Name	%4 (logfile)
Device Custom Number 1	%7 (Time Seen)
Device Custom String 4	%5 (Processing Stats)
Device Custom String 5	%6 (Most Frequent Record Type)

Event 302

ArcSight Field	Vendor Field
Name	'The database engine has successfully completed recovery steps'

Event 609

ArcSight Field	Vendor Field
Name	'The database engine is initiating index cleanup of database as a result of a Windows version upgrade'
Message	'This message is informational and does not indicate a problem in the database'
File Name	%4 (database)
Device Version	All of (%5,'.',%6,'.',%7,'.',%8)
Device Custom String 5	old device version

Event 611

ArcSight Field	Vendor Field
Name	'The secondary index of table will be rebuilt as a precautionary measure after the Windows version upgrade of this system'
File Name	%4 (database)
Device Custom String 5	'Database Index'
Device Custom String 6	'Database Table'

Event 612

ArcSight Field	Vendor Field
Name	'The database engine has successfully completed index cleanup on database'
File Name	%4 (database)

Event 614

ArcSight Field	Vendor Field
Name	'The secondary index of table may be corrupt'
Message	'If there is no later event showing the index being rebuilt, then please defragment the database to rebuild the index'
File Name	%4 (database)
Device Custom String 5	'Database Index'
Device Custom String 6	'Database Table'

Event 626

ArcSight Field	Vendor Field
Name	'The database engine updated index entries in database because of a change in the NLS version'
Message	'This message is informational and does not indicate a problem in the database'
Device Custom Number 3	Index entries
File Name	%5 (database)

Event 700

ArcSight Field	Vendor Field
Name	'Online defragmentation is beginning a full pass on database'
File Name	%4 (database)

Event 701

ArcSight Field	Vendor Field
Name	'Online defragmentation has completed a full pass on database'
File Name	%4 (database)

Event 702

ArcSight Field	Vendor Field
Name	'Online defragmentation is resuming its pass on database'
File Name	%4 (database)

Event 703

ArcSight Field	Vendor Field
Name	'Online defragmentation has completed the resumed pass on database'
File Name	%4 (database)

Event 704

ArcSight Field	Vendor Field
Name	'Online defragmentation of database was interrupted and terminated'
Message	'The next time online defragmentation is started on this database, it will resume from the point of interruption'
File Name	%4 (database)

Windows 2008 NTDS ISAM Mappings

Event 102

ArcSight Field	Vendor Field
Name	'The database engine started a new instance'
Device Version	All of (%5,'.',%6,'.',%7,'.',%8)
Device Custom String 5	Instance ID

Event 103

ArcSight Field	Vendor Field
Name	'The database engine stopped the instance'
Device Custom String 5	Instance ID

Event 300

ArcSight Field	Vendor Field
Name	'The database engine is initiating recovery steps'

Event 301

ArcSight Field	Vendor Field
Name	'The database engine has begun replaying logfile'
File Name	%4 (logfile)
Device Custom Number 1	%7
Device Custom String 4	%5
Device Custom String 5	%6

Event 302

ArcSight Field	Vendor Field
Name	'The database engine has successfully completed recovery steps'

Event 609

ArcSight Field	Vendor Field
Name	'The database engine is initiating index cleanup of database as a result of a Windows version upgrade'
Message	'This message is informational and does not indicate a problem in the database'
File Name	%4 (database)
Device Version	All of (%5,'.',%6,'.',%7,'.',%8)
Device Custom String 5	old device version

Event 611

ArcSight Field	Vendor Field
Name	'The secondary index of table will be rebuilt as a precautionary measure after the Windows version upgrade of this system'
File Name	%4 (database)
Device Custom String 5	'Database Index'
Device Custom String 6	'Database Table'

Event 612

ArcSight Field	Vendor Field
Name	'The database engine has successfully completed index cleanup on database'
File Name	%4 (database)

Event 614

ArcSight Field	Vendor Field
Name	'The secondary index of table may be corrupt'
Message	'If there is no later event showing the index being rebuilt, then please defragment the database to rebuild the index'

ArcSight Field	Vendor Field
File Name	%4 (database)
Device Custom String 5	'Database Index'
Device Custom String 6	'Database Table'

Event 626

ArcSight Field	Vendor Field
Name	'The database engine updated index entries in database because of a change in the NLS version'
Message	'This message is informational and does not indicate a problem in the database'
Device Custom Number 3	Index entries
File Name	%5 (database)

Event 700

ArcSight Field	Vendor Field
Name	'Online defragmentation is beginning a full pass on database'
File Name	%4 (database)

Event 701

ArcSight Field	Vendor Field
Name	'Online defragmentation has completed a full pass on database'
File Name	%4 (database)

Event 702

ArcSight Field	Vendor Field
Name	'Online defragmentation is resuming its pass on database'
File Name	%4 (database)

Event 703

ArcSight Field	Vendor Field
Name	'Online defragmentation has completed the resumed pass on database'
File Name	%4 (database)

Event 704

ArcSight Field	Vendor Field
Name	'Online defragmentation of database was interrupted and terminated'
Message	'The next time online defragmentation is started on this database, it will resume from the point of interruption'
File Name	%4 (database)

NTDS KCC Mappings

Event 1104

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) successfully terminated change notifications'
Message	'This event can occur if either this directory service or the destination directory service has been moved to another site'
Destination Host Name	%2 (Destination network address)
Destination User Name	User
Device Custom String 1	Directory partition
Device Custom String 6	Destination directory service

Event 1128

ArcSight Field	Vendor Field
Name	'A replication connection was created from source directory service to the local directory service'
Device Custom String 1	Creation Point Internal ID

ArcSight Field	Vendor Field
Device Custom String 4	Reason or Error Code
Device Custom String 5	Local directory service
Device Custom String 6	Source directory service

Event 1308

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) has detected that successive attempts to replicate with directory service has consistently failed'
Message	'The Connection object for this directory service will be ignored, and a new temporary connection will be established to ensure that replication continues. Once replication with this directory service resumes, the temporary connection will be removed'
Device Custom Number 2	Period of time (minutes)
Device Custom Number 3	Attempts
Device Custom String 4	Reason or Error Code
Device Custom String 6	Domain service

Event 1926

ArcSight Field	Vendor Field
Name	'The attempt to establish a replication link to a read-only directory partition failed'
Destination Host Name	%2 (Source domain controller address)
Destination User Name	User
Device Custom String 1	Directory partition
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller

Windows 2008 NTDS KCC Mappings

Event 1104

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) successfully terminated change notifications'
Message	'This event can occur if either this directory service or the destination directory service has been moved to another site'
Destination Host Name	%2 (Destination network address)
Destination User Name	User
Device Custom String 1	Directory partition
Device Custom String 6	Destination directory service

Event 1128

ArcSight Field	Vendor Field
Name	'A replication connection was created from source directory service to the local directory service'
Device Custom String 1	Creation Point Internal ID
Device Custom String 4	Reason or Error Code
Device Custom String 5	Local directory service
Device Custom String 6	Source directory service

Event 1308

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) has detected that successive attempts to replicate with directory service has consistently failed'
Message	'The Connection object for this directory service will be ignored, and a new temporary connection will be established to ensure that replication continues. Once replication with this directory service resumes, the temporary connection will be removed'
Device Custom Number 2	Period of time (minutes)

ArcSight Field	Vendor Field
Device Custom Number 3	Attempts
Device Custom String 4	Reason or Error Code
Device Custom String 6	Domain service

Event 1926

ArcSight Field	Vendor Field
Name	'The attempt to establish a replication link to a read-only directory partition failed'
Destination Host Name	%2 (Source domain controller address)
Destination User Name	User
Device Custom String 1	Directory partition
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller

Windows 2008 NTDS LDAP Mappings

Event 1000

ArcSight Field	Vendor Field
Name	'Microsoft Active Directory Domain Services startup complete'
Device Version	%1 (Version)

Event 1004

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services was shut down successfully'

Event 1126

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services was unable to establish a connection with the global catalog'
Device Custom String 4	Reason or Error Code
Device Custom String 5	Internal ID

Event 1220

ArcSight Field	Vendor Field
Name	'LDAP over Secure Sockets Layer (SSL) will be unavailable at this time because the server was unable to obtain a certificate'
Device Custom String 4	Reason or Error Code

Event 1308

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) has detected that successive attempts to replicate with the following directory service has consistently failed'
Message	'The Connection object for this directory service will be ignored, and a new temporary connection will be established to ensure that replication continues. Once replication with this directory service resumes, the temporary connection will be removed'
Device Custom Number 2	Period of time (minutes)
Device Custom Number 3	Attempts
Device Custom String 4	Reason or Error Code
Device Custom String 6	Directory service

Event 1394

ArcSight Field	Vendor Field
Name	'All problems preventing updates to the Active Directory Domain Services database have been cleared'
Message	'New updates to the Active Directory Domain Services database are succeeding. The Net Logon service has restarted'

Event 1869

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services has located a global catalog'
Device Custom String 5	Site
Destination Host Name	%1 (Global catalog)

Event 2087

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not resolve DNS host name of the source domain controller to an IP address'
Message	'This error prevents additions, deletions and changes in Active Directory Domain Services from replicating between one or more domain controllers in the forest. Security groups, group policy, users and computers and their passwords will be inconsistent between domain controllers until this error is resolved, potentially affecting logon authentication and access to network resources'
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
File Type	'Registry key'
File Name	All of (%5,'\\',%6)
Source Host Name	%2 (Failing DNS host name)

Event 2088

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not use DNS to resolve the IP address of the source domain controller'
Message	'To maintain the consistency of Security groups, group policy, users and computers and their passwords, Active Directory Domain Services successfully replicated using the NetBIOS or fully qualified computer name of the source domain controller. Invalid DNS configuration may be affecting other essential operations on member computers, domain controllers or application servers in this Active Directory Domain Services forest, including logon authentication or access to network resources. You should immediately resolve this DNS configuration error so that this domain controller can resolve the IP address of the source domain controller using DNS'
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
File Type	'Registry key'
File Name	All of (%5,'\\',%6)
Source Host Name	%2 (Failing DNS host name)

Event 2886

ArcSight Field	Vendor Field
Name	'The security of this directory server can be significantly enhanced by configuring the server to reject SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP binds that do not request signing (integrity verification) and LDAP simple binds that are performed on a cleartext (non-SSL/TLS-encrypted) connection'
Message	'Even if no clients are using such binds, configuring the server to reject them will improve the security of this server. Some clients may currently be relying on unsigned SASL binds or LDAP simple binds over a non-SSL/TLS connection, and will stop working if this configuration change is made. To assist in identifying these clients, if such binds occur this directory server will log a summary event once every 24 hours indicating how many such binds occurred. You are encouraged to configure those clients to not use such binds. Once no such events are observed for an extended period, it is recommended that you configure the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the "LDAP Interface Events" event logging category to level 2 or higher'

Event 2887

ArcSight Field	Vendor Field
Name	'During the previous 24 hour period, some clients attempted to perform LDAP binds'
Message	'During the previous 24 hour period, some clients attempted to perform LDAP binds that were either: (1) A SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP bind that did not request signing (integrity validation), or (2) A LDAP simple bind that was performed on a cleartext (non-SSL/TLS-encrypted) connection. This directory server is not currently configured to reject such binds. The security of this directory server can be significantly enhanced by configuring the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. Summary information on the number of these binds received within the past 24 hours is below. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the \"LDAP Interface Events\" event logging category to level 2 or higher'
Device Custom Number 1	Number of simple binds performed without SSL/TLS
Device Custom Number 2	Number of Negotiate/Kerberos/NTLM/Digest binds performed without signing

NTDS Replication Mappings

Event 1188

ArcSight Field	Vendor Field
Name	'A thread in Active Directory Domain Services is waiting for the completion of a RPC made to directory service'
Message	'Active Directory Domain Services has attempted to cancel the call and recover this thread. If this condition continues, restart the directory service'
Device Custom String 1	Thread ID
Device Custom String 5	Operation
Device Custom String 6	Directory service
Device Custom Number 2	Timeout period (minutes)

Event 1232

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services attempted to perform a remote procedure call (RPC) to server. The call timed out and was cancelled'
Destination Host Name	%2 (Destination Host Name)
Device Custom Number 2	Call Timeout (Mins)
Device Custom String 1	Thread ID
Device Custom String 5	Internal ID
Source User Name	User

Event 1863

ArcSight Field	Vendor Field
Name	'This is the replication status for directory partition on this directory server'
Message	'This directory server has not received replication information from a number of directory servers within the configured latency interval. To identify the directory servers by name, use the dcdiag.exe tool. You can also use the support tool repadmin.exe to display the replication latencies of the directory servers. The command is \"repadmin /showvector /latency <partition-dn>\"'
Device Custom String 1	Directory partition
Device Custom Number 1	Number of domain controllers in all sites
Device Custom Number 3	Number of domain controllers in this site
Device Custom Number 2	Latency Interval (Hours)
File Type	Registry Key
File Name	Both (%5,'\\Replicator latency error interval(hours)')

Event 2087

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not resolve DNS host name of the source domain controller to an IP address. This error prevents additions, deletions and changes in Active Directory Domain Services from replicating between one or more domain controllers in the forest. Security groups, group policy, users and computers and their passwords will be inconsistent between domain controllers until this error is resolved, potentially affecting logon authentication and access to network resources'
Source Host Name	%2 (Failing DNS host name)
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
File Type	'Registry key'
File Name	All of (%5,'\\',%6)

Event 2092

ArcSight Field	Vendor Field
Name	'This server is the owner of FSMO role, but does not consider it valid'
Message	'For the partition which contains the FSMO, this server has not replicated successfully with any of its partners since this server has been restarted. Replication errors are preventing validation of this role. Operations which require contacting a FSMO operation master will fail until this condition is corrected'
Device Custom String 1	FSMO Role

Event 2887

ArcSight Field	Vendor Field
Name	'During the previous 24 hour period, some clients attempted to perform LDAP binds'
Message	'During the previous 24 hour period, some clients attempted to perform LDAP binds that were either: (1) A SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP bind that did not request signing (integrity validation), or (2) A LDAP simple bind that was performed on a cleartext (non-SSL/TLS-encrypted) connection. This directory server is not currently configured to reject such binds. The security of this directory server can be significantly enhanced by configuring the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. Summary information on the number of these binds received within the past 24 hours is below. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the \"LDAP Interface Events\" event logging category to level 2 or higher'
Device Custom Number 1	Number of simple binds performed without SSL/TLS
Device Custom Number 2	Number of Negotiate/Kerberos/NTLM/Digest binds performed without signing

Windows 2008 NTDS Replication Mappings

Event 1188

ArcSight Field	Vendor Field
Name	'A thread in Active Directory Domain Services is waiting for the completion of a RPC made to directory service'
Message	'Active Directory Domain Services has attempted to cancel the call and recover this thread. If this condition continues, restart the directory service'
Device Custom String 1	Thread ID
Device Custom String 5	Operation
Device Custom String 6	Directory service
Device Custom Number 2	Timeout period (minutes)

Event 1232

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services attempted to perform a remote procedure call (RPC) to server. The call timed out and was cancelled'
Destination Host Name	%2 (Destination Host Name)
Device Custom Number 2	Call Timeout (Mins)
Device Custom String 1	Thread ID
Device Custom String 5	Internal ID
Source User Name	User

Event 1863

ArcSight Field	Vendor Field
Name	'This is the replication status for directory partition on this directory server'
Message	'This directory server has not received replication information from a number of directory servers within the configured latency interval. To identify the directory servers by name, use the dcdiag.exe tool. You can also use the support tool repadmin.exe to display the replication latencies of the directory servers. The command is \"repadmin /showvector /latency <partition-dn>\"'
Device Custom String 1	Directory partition
Device Custom Number 1	Number of domain controllers in all sites
Device Custom Number 3	Number of domain controllers in this site
Device Custom Number 2	Latency Interval (Hours)
File Type	Registry Key
File Name	Both (%5,'\\Replicator latency error interval(hours)')

Event 2087

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not resolve DNS host name of the source domain controller to an IP address. This error prevents additions, deletions and changes in Active Directory Domain Services from replicating between one or more domain controllers in the forest. Security groups, group policy, users and computers and their passwords will be inconsistent between domain controllers until this error is resolved, potentially affecting logon authentication and access to network resources'
Source Host Name	%2 (Failing DNS host name)
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
File Type	'Registry key'
File Name	All of (%5,'\\',%6)

Event 2092

ArcSight Field	Vendor Field
Name	'This server is the owner of FSMO role, but does not consider it valid'
Message	'For the partition which contains the FSMO, this server has not replicated successfully with any of its partners since this server has been restarted. Replication errors are preventing validation of this role. Operations which require contacting a FSMO operation master will fail until this condition is corrected'
Device Custom String 1	FSMO Role

Event 2887

ArcSight Field	Vendor Field
Name	'During the previous 24 hour period, some clients attempted to perform LDAP binds'
Message	'During the previous 24 hour period, some clients attempted to perform LDAP binds that were either: (1) A SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP bind that did not request signing (integrity validation), or (2) A LDAP simple bind that was performed on a cleartext (non-SSL/TLS-encrypted) connection. This directory server is not currently configured to reject such binds. The security of this directory server can be significantly enhanced by configuring the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. Summary information on the number of these binds received within the past 24 hours is below. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the \"LDAP Interface Events\" event logging category to level 2 or higher'
Device Custom Number 1	Number of simple binds performed without SSL/TLS
Device Custom Number 2	Number of Negotiate/Kerberos/NTLM/Digest binds performed without signing

NTDS LDAP Mappings

Event 1000

ArcSight Field	Vendor Field
Name	‘Microsoft Active Directory Domain Services startup complete’
Device Version	%1 (Version)

Event 1004

ArcSight Field	Vendor Field
Name	‘Active Directory Domain Services was shut down successfully’

Event 1126

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services was unable to establish a connection with the global catalog'
Device Custom String 5	Internal ID
Device Custom String 4	Reason or Error Code
Reason	%3 (Reason or Error Code)

Event 1138

ArcSight Field	Vendor Field
Name	'Function entered'
Message	Both ('Internal event:Function', %1,' entered')

Event 1139

ArcSight Field	Vendor Field
Name	'Function exited'
Message	Both ('Internal event:Function',%1,' exited')

Event 1213

ArcSight Field	Vendor Field
Name	'An LDAP client connection was closed because it was disconnected on the client side'
Device Custom String 5	Internal ID

Event 1215

ArcSight Field	Vendor Field
Name	'An LDAP client connection was closed because the client closed the connection'
Device Custom String 5	Internal ID

Event 1216

ArcSight Field	Vendor Field
Name	'An LDAP client connection was closed because of an error'
Source Address	%1 (Source address)
Reason	%3 (Reason or Error Code)
Device Custom String 5	Internal ID

Event 1220

ArcSight Field	Vendor Field
Name	'LDAP over Secure Sockets Layer (SSL) will be unavailable at this time because the server was unable to obtain a certificate'
Device Custom String 4	Reason or Error Code

Event 1308

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) has detected that successive attempts to replicate with the following directory service has consistently failed'
Message	'The Connection object for this directory service will be ignored and a new temporary connection will be established to ensure that replication continues. Once replication with this directory service resumes, the temporary connection will be removed.'
Device Custom Number 3	Attempts
Device Custom String 6	Directory service
Device Custom Number 2	Period of time (minutes)
Device Custom String 4	Reason or Error Code

Event 1317

ArcSight Field	Vendor Field
Name	'The directory service has disconnected the LDAP connection'
Message	'The directory service has disconnected the LDAP connection from the following network address due to a time-out'

ArcSight Field	Vendor Field
Source Address	%1 (Source address)

Event 1394

ArcSight Field	Vendor Field
Name	'All problems preventing updates to the Active directory Domain Services database have been cleared'
Message	'New updates to the Active Directory Domain Services database are succeeding. The Net Logon service has restarted.'

Event 1535

ArcSight Field	Vendor Field
Name	'The LDAP server returned an error'
Message	Both ('The LDAP server returned an error value:',%1)
Reason	%1 (Reason or Error Code)

Event 1655

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services attempted to communicate with the following global catalog and the attempts were unsuccessful'
Device Host Name	%1 (Host name)
Reason	%2 (Reason or Error Code)

Event 1869

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services has located a global catalog'
Destination Host Name	%1 (Host name)
Device Custom String 5	Site

Event 2041

ArcSight Field	Vendor Field
Name	'Duplicate event log entries were suppressed'
Message	'See the previous event log entry for details. An entry is considered a duplicate if the event code and all of its insertion parameters are identical. The time period for this run of duplicates is from the time of the previous event to the time of this event'
Device Custom Number 3	Number of duplicate entries

Event 2087

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not resolve DNS host name of the source domain controller to an IP address'
Message	'This error prevents additions, deletions, and changes in Active Directory Domain Services from replicating between one or more domain controllers in the forest. Security groups, group policy, users and computers and their passwords will be inconsistent between domain controllers until this error is resolved, potentially affecting logon authentication and access to network resources.'
Device Custom String 6	Source domain controller
Source Host Name	%2 (Host name)
Device Custom String 4	Reason or Error Code
File Type	'Registry Key'
File Name	All of (%5,'\\',%6)

Event 2088

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not use DNS to resolve the IP address of the source domain controller'
Message	'To maintain the consistency of Security groups, group policy, users and computers and their passwords, Active Directory Domain Services successfully replicated using the NetBIOS or fully qualified computer name of the source domain controller. Invalid DNS configuration may be affecting other essential operations on member computers, domain controllers, or application servers in this Active Directory Domain Services forest, including logon authentication or access to network resources. You should immediately resolve this DNS configuration error so that this domain controller can resolve the IP address of the source domain controller using DNS'
Device Custom String 6	Alternate server name
Source Host Name	%2 (Host name)
Device Custom String 4	Reason or Error Code
File Type	'Registry Key'
File Name	All of (%5,'\\',%6)

Event 2089

ArcSight Field	Vendor Field
Name	'This directory partition has not been backed up'
Message	'This directory partition has not been backed up since at least the following number of days'
Device Custom String 1	Directory partition
Device Custom Number 2	Latency interval (hours)
File Type	'Registry Key'
File Name	All of (%3,'\\',%4)

Event 2886

ArcSight Field	Vendor Field
Name	‘The security of this directory server can be significantly enhanced by configuring the server to reject SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP binds that do not request signing (integrity verification) and LDAP simple binds that are performed on a clear text (non-SSL/TLS-encrypted) connection.'
Message	'Even if no clients are using such binds, configuring the server to reject them will improve the security of this server. Some clients may currently be relying on unsigned SASL binds or LDAP simple binds over a non-SSL/TLS connection, and will stop working if this configuration change is made. To assist in identifying these clients, if such binds occur this directory server will log a summary event once every 24 hours indicating how many such binds occurred. You are encouraged to configure those clients to not use such binds. Once no such events are observed for an extended period, it is recommended that you configure the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the "LDAP Interface Events" event logging category to level 2 or higher.'

Event 2887

ArcSight Field	Vendor Field
Name	'During the previous 24 hour period, some clients attempted to perform LDAP binds'
Message	'During the previous 24 hour period, some clients attempted to perform LDAP binds that were either: (1) A SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP bind that did not request signing (integrity validation), or (2) A LDAP simple bind that was performed on a cleartext (non-SSL/TLS-encrypted) connection. This directory server is not currently configured to reject such binds. The security of this directory server can be significantly enhanced by configuring the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. Summary information on the number of these binds received within the past 24 hours is below. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the \"LDAP Interface Events\" event logging category to level 2 or higher.'

ArcSight Field	Vendor Field
Device Custom Number 1	number of simple binds performed without SSL/TLS
Device Custom Number 2	number of negotiate/Kerberos/NTLM/Digest binds performed without signing

Event 2889

ArcSight Field	Vendor Field
Name	‘LDAP bind without requesting signing or performed a simple bind’
Message	‘The following client performed a SASL (Negotiate/Kerberos/NTLM/Digest) LDAP bind without requesting signing (integrity verification), or performed a simple bind over a cleartext (non-SSL/TLS-encrypted) LDAP connection’
Source User Name	%2 (User name)
Source Address	%1 (Source address)

Windows 2008 NTDS LDAP Mappings

Event 1000

ArcSight Field	Vendor Field
Name	'Microsoft Active Directory Domain Services startup complete'
Device Version	%1 (Version)

Event 1004

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services was shut down successfully'

Event 1126

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services was unable to establish a connection with the global catalog'
Device Custom String 4	Reason or Error Code
Device Custom String 5	Internal ID

Event 1220

ArcSight Field	Vendor Field
Name	'LDAP over Secure Sockets Layer (SSL) will be unavailable at this time because the server was unable to obtain a certificate'
Device Custom String 4	Reason or Error Code

Event 1308

ArcSight Field	Vendor Field
Name	'The Knowledge Consistency Checker (KCC) has detected that successive attempts to replicate with the following directory service has consistently failed'
Message	'The Connection object for this directory service will be ignored, and a new temporary connection will be established to ensure that replication continues. Once replication with this directory service resumes, the temporary connection will be removed'
Device Custom Number 2	Period of time (minutes)
Device Custom Number 3	Attempts
Device Custom String 4	Reason or Error Code
Device Custom String 6	Directory service

Event 1394

ArcSight Field	Vendor Field
Name	'All problems preventing updates to the Active Directory Domain Services database have been cleared'
Message	'New updates to the Active Directory Domain Services database are succeeding. The Net Logon service has restarted'

Event 1869

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services has located a global catalog'
Device Custom String 5	Site
Destination Host Name	%1 (Global catalog)

Event 2087

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not resolve DNS host name of the source domain controller to an IP address'
Message	'This error prevents additions, deletions and changes in Active Directory Domain Services from replicating between one or more domain controllers in the forest. Security groups, group policy, users and computers and their passwords will be inconsistent between domain controllers until this error is resolved, potentially affecting logon authentication and access to network resources'
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
File Type	'Registry key'
File Name	All of (%5,'\\',%6)
Source Host Name	%2 (Failing DNS host name)

Event 2088

ArcSight Field	Vendor Field
Name	'Active Directory Domain Services could not use DNS to resolve the IP address of the source domain controller'
Message	'To maintain the consistency of Security groups, group policy, users and computers and their passwords, Active Directory Domain Services successfully replicated using the NetBIOS or fully qualified computer name of the source domain controller. Invalid DNS configuration may be affecting other essential operations on member computers, domain controllers or application servers in this Active Directory Domain Services forest, including logon authentication or access to network resources. You should immediately resolve this DNS configuration error so that this domain controller can resolve the IP address of the source domain controller using DNS'
Device Custom String 4	Reason or Error Code
Device Custom String 6	Source domain controller
File Type	'Registry key'
File Name	All of (%5,'\\',%6)
Source Host Name	%2 (Failing DNS host name)

Event 2886

ArcSight Field	Vendor Field
Name	'The security of this directory server can be significantly enhanced by configuring the server to reject SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP binds that do not request signing (integrity verification) and LDAP simple binds that are performed on a cleartext (non-SSL/TLS-encrypted) connection'
Message	'Even if no clients are using such binds, configuring the server to reject them will improve the security of this server. Some clients may currently be relying on unsigned SASL binds or LDAP simple binds over a non-SSL/TLS connection, and will stop working if this configuration change is made. To assist in identifying these clients, if such binds occur this directory server will log a summary event once every 24 hours indicating how many such binds occurred. You are encouraged to configure those clients to not use such binds. Once no such events are observed for an extended period, it is recommended that you configure the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the "LDAP Interface Events" event logging category to level 2 or higher'

Event 2887

ArcSight Field	Vendor Field
Name	'During the previous 24 hour period, some clients attempted to perform LDAP binds'
Message	'During the previous 24 hour period, some clients attempted to perform LDAP binds that were either: (1) A SASL (Negotiate, Kerberos, NTLM, or Digest) LDAP bind that did not request signing (integrity validation), or (2) A LDAP simple bind that was performed on a cleartext (non-SSL/TLS-encrypted) connection. This directory server is not currently configured to reject such binds. The security of this directory server can be significantly enhanced by configuring the server to reject such binds. For more details and information on how to make this configuration change to the server, please see http://go.microsoft.com/fwlink/?LinkID=87923. Summary information on the number of these binds received within the past 24 hours is below. You can enable additional logging to log an event each time a client makes such a bind, including information on which client made the bind. To do so, please raise the setting for the \"LDAP Interface Events\" event logging category to level 2 or higher'
Device Custom Number 1	Number of simple binds performed without SSL/TLS
Device Custom Number 2	Number of Negotiate/Kerberos/NTLM/Digest binds performed without signing

Event Mappings for Microsoft ADFS

General - Windows Server 2022

ArcSight Field	Vendor Field
Device Product	'ADFS Auditing'
Device Vendor	'Microsoft'

Event 100

ArcSight Field	Vendor Field
Name	The federation service started successfully.

Event 102

ArcSight Field	Vendor Field
Name	There was an error in enabling endpoints of Federation Service.
Reason	Data

Event 103

ArcSight Field	Vendor Field
Name	The Federation Service stopped successfully.

Event 105

ArcSight Field	Vendor Field
Device Custom String 4	SacumenADFSAdapter
Device Custom String 4 Label	Identifier
Device Custom String 5	Proxy device TLS pipeline
Device Custom String 5 Label	Context
Device Custom String 6	The authentication method MFAadapter.ADFSAdap ter, MFAadapter, Version=1.0.0.0, Culture=neutral, PublicKeyToken=95c8f0 9183447d36 could not be loaded. Could not load file or assembly 'MFAadapter, Version=1.0.0.0, Culture=neutral, PublicKeyToken=95c8f0__regexToken (Data,".*\\,\\"(.*)\\"\\]") event.deviceCustomString6 event.deviceCustomString6Label= (Exception details) Represents errors that occur during the process of loading authentication provider. 9183447d36' or one of its dependencies. The system cannot find the file specified.
Device Custom String 6 Label	Exception details
Name	An error occurred loading an authentication provider.

Event 106

ArcSight Field	Vendor Field
Device Custom String 1	Data
Device Custom String 1 Label	Identifier

ArcSight Field	Vendor Field
Device Custom String 4	Data
Device Custom String 4 Label	Context
Name	An authentication provider was successfully loaded.

Event 111

ArcSight Field	Vendor Field
Device Custom String 5	http://schemas.microsoft.c om/idfx/requesttype/issue
Device Custom String 5 Label	Request Type
Device Custom String 6	System.ArgumentOutOfRa ngeException: Not a valid Win32 FileTime.\nParameter name: fileTime\n a System.DateTime.FromFileTimeUtc(Int64 fileTime)\n at Microsoft.IdentityServer.Tokens.LsaLogonUserHelper.GetPasswordExpiryDetails (SafeLsaReturnBufferHandle profileHandle, DateTime& nextPasswordChange, DateTime& lastPasswordChange)\n at Microsoft.IdentityServer.Tokens.LsaLogonUserHelper.GetLsaLogonUserInfo(SafeHGlobalHandle pLogonInfo, Int32 logonInfoSize, DateTime& nextPasswordChange, DateTime& lastPasswordChange, String authenticationType, String issuerName)\n at Microsoft.IdentityServer.Tokens.LsaLogonUserHelper.GetLsaLogonUser(String domain, String username, String password, DateTime& nextPasswordChange, DateTime& lastPasswordChange, String issuerName)\n at Microsoft.IdentityServer.Service.LocalAccountStores.ActiveDirectory.ActiveDirectoryCpTrustStore .ValidateUser(IAuthenticationContext context)\n at Microsoft.IdentityServer.Service.Tokens.MsisLocalCpUing6Label= (Exception details) request on the services. serNameSecurityTokenHandler.ValidateTokenInternal (UsernameAuthenticationContext usernameAuthenticationContext, SecurityToken token)\n at Microsoft.IdentityServer.Service.Tokens.MsisLocalCpUserNameSecurityTokenHandler.ValidateTo ken(SecurityToken token)\n at Microsoft.IdentityServer.Web.WSTrust.SecurityTokenServiceManager.ValidateSecurityToken (SecurityToken userToken, SecurityToken deviceToken)
Device Custom String 6 Label	Exception details
Name	The Federation Service encountered an error while processing the WS-Trust request.

Event 221

ArcSight Field	Vendor Field
Device Custom String 1	ADMIN0012: OperationFault
Device Custom String 1 Label	Error
Name	A change to the token service configuration was detected, but there was an error reloading the changes to configuration.

Event 227

ArcSight Field	Vendor Field
Device Custom String 6	System.ObjectDisposed Exception: Cannot access a closed file. at System.IO.__Error.FileN otOpen() at System.IO.FileStream.Fl ush(Boolean flushToDisk) at System.IO.StreamWriter .Flush(Boolean flushStream, Boolean flushEncoder) at System.IO.StreamWriter .Dispose(Boolean disposing) at System.IO.TextWriter.Di spose() ␣␣␣Data event.deviceCustomString6 event.deviceCustomString6Label= (Exception details) Represents error details that occur during the shutdown. at Serilog.Sinks.File.FileSink.Dispose() at Serilog.Sinks.File.RollingFileSink.CloseFile() at Serilog.Sinks.File.RollingFileSink.Dispose() at Serilog.LoggerConfiguration.<>c__DisplayClass32_0.<CreateLogger>g__ Dispose|0() at MFAadapter.ADFSAdapter.Finalize()
Device Custom String 6 Label	Exception details
Name	The Federation Service encountered an unexpected exception and has shut down.

Event 249

ArcSight Field	Vendor Field
File Hash	Data
Name	The certificate identified by thumbprint could not be found in the certificate store.

Event 298

ArcSight Field	Vendor Field
Device Custom String 1	ServiceState.IsDrsInitialized is false
Device Custom String 1 Label	Additional Information
Name	The Windows Hello for Business key receipt certificate background task will not run.

Event 299

ArcSight Field	Vendor Field
Destination DNS Domain	%3 (Relying Party)
Device Custom String 1	%2 (Activity ID)
Device Custom String 1 Label	"Activity ID"
Device Custom String 4	%1 (Instance ID)
Device Custom String 4 Label	"Instance ID"
Message	__concatenate("A token was successfully issued for the relying party ",%3)
Name	"A token was successfully issued for relying party"

Event 300

ArcSight Field	Vendor Field
Device Custom String 1	%1 (Activity ID)
Device Custom String 1 Label	"Activity ID"
Device Custom String 5	%2 (Request type)
Device Custom String 5 Label	"Request Type"
Device Custom String 6	%3 (Exception details)
Device Custom String 6 Label	"Exception details"
Message	"The Federation Service failed to issue a token as a result of an error during processing of the WS-Trust request"
Name	"Federation Service failed to issue a token as a result of an error"
Source Nt Domain	__extractNTDomain(%3)
Source User Name	__extractNTUser(%3)

Event 307

ArcSight Field	Vendor Field
Device Custom String 4	%1
Device Custom String 4 Label	"Instance ID"
Name	"Federation service configuration was changed"
Source Nt Domain	__extractNTDomain(%3)
Source User Name	__extractNTUser(%3)

Event 309

ArcSight Field	Vendor Field
Name	The Federation Service configuration was changed.
Device Custom String 1	%1
Device Custom String 1 Label	Security ID
Device Custom String 5	%4
Device Custom String 5 Label	New Value
Device Custom String 6	%3
Device Custom String 6 Label	Old Value
Source NT Domain	%2
Source User Name	%2

Event 342

ArcSight Field	Vendor Field
Name	Token validation failed
Device Custom String 4	Data
Device Custom String 4 Label	Token Type
Reason	Data
Device Custom String 6	Data
Device Custom String 6 Label	Exception

Event 352

ArcSight Field	Vendor Field
Device Custom String 5	Data Source=np:\\\\.\\pipe \\microsoft##wid\\ts ql\\query;Initial Catalog=AdfsConfigur ationV4;Integrated Security=True
Device Custom String 5 Label	Connection String
Device Custom String 6	A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: Named Pipes Provider, error: 40 - Could not open a connection to SQL Server)
Device Custom String 6 Label	Exception Details
Name	A SQL operation in the AD FS configuration database failed.

Event 397

ArcSight Field	Vendor Field
Device Custom String 1	N/A
Device Custom String 1 Label	HTTP Proxy
Device Custom String 4	N/A
Device Custom String 4 Label	HTTP Proxy
Device Custom String 5	N/A
Device Custom String 5 Label	Bypass proxy for local addresses
Device Custom String 6	N/A
Device Custom String 6 Label	Bypass proxy for addresses
Name	The federation server loaded the HTTP proxy configuration from WinHTTP settings.

Event 403

ArcSight Field	Vendor Field
Destination Address	%9 (Local IP)
Destination Dns Domain	%14
Destination Port	%8 (Local Port)

Device Custom Date 1	%3
Device Custom Date 1 Label	"Request Time"
Device Custom Number 1	%11
Device Custom Number 1 Label	"Content Length"
Device Custom String 1	%2
Device Custom String 1 Label	"Activity ID"
Device Custom String 4	%1
Device Custom String 4 Label	"Instance ID"
Device Custom String 6	%16
Device Custom String 6 Label	"Proxy DNS name"
End Time	%3
Name	"An HTTP request was received"
Old File Hash	__concatenate("Through Proxy:",%15)
Old File Id	__concatenate("Caller Identity:",%12)
Old File Type	__concatenate("Certificate Identity:",%13)
Request Client Application	%10 (User Agent)
Request Method	%5 (HTTP Method)
Request Url File Name	%6 (Url Absolute Path)
Request Url Query	%7 (Query string)
Source Address	%4
Start Time	%3

Event 404

ArcSight Field	Vendor Field
Device Custom Date 1	%3
Device Custom Date 1 Label	"Response Time"
Device Custom String 1	%2
Device Custom String 1 Label	"Activity ID"
Device Custom String 4	%1
Device Custom String 4 Label	"Instance ID"

ArcSight Field	Vendor Field
Device Custom String 5	%5
Device Custom String 5 Label	"Status Description"
End Time	%3
Event Outcome	%4
Name	"An HTTP response was dispatched"

Event 405

ArcSight Field	Vendor Field
Destination Host Name	%3
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Message	__concatenate("Password change succeeded for following user:",%2)
Name	"Password change succeeded"
Source Nt Domain	__extractNTDomain(%2)
Source User Name	__extractNTUser(%2)

Event 406 - Windows Server 2016

ArcSight Field	Vendor Field
Destination Host Name	%3
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Message	__concatenate("Password change failed for following user:",%2)
Name	"Password change failed"
Reason	%4
Source Nt Domain	__extractNTDomain(%2)
Source User Name	__extractNTUser(%2)

Event 406 - Windows Server 2019

ArcSight Field	Vendor Field
Destination Host Name	%4
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Device Custom String 4	%3
Device Custom String 4 Label	"Device Certificate"
Message	__concatenate("Password change failed for following user:",%2)
Name	"Password change failed"
Reason	%5
Source Address	%6
Source Nt Domain	__extractNTDomain(%2)
Source User Name	__extractNTUser(%2)

Event 410

ArcSight Field	Vendor Field
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Device Custom String 4	%3
Device Custom String 4 Label	"Client Application"
Device Custom String 5	%13
Device Custom String 5 Label	"Proxy"
Device Custom String 6	%11
Device Custom String 6 Label	"Forwarded Client IP"
Name	"Following request context headers present"
Old File Id	__concatenate(%6,":",%7)
Request Client Application	%5
Request Url File Name	%9
Source Address	%15
Source Translated Address	__regexToken(%11)

Event 411

ArcSight Field	Vendor Field
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Device Custom String 3	%5
Device Custom String 3 Label	"EventDataAddresses"
Device Custom String 4	%2
Device Custom String 4 Label	"Token Type"
Device Custom String 5	%3
Device Custom String 5 Label	"Error message"
Device Custom String 6	%4
Device Custom String 6 Label	"Exception details"
Name	"Token validation failed"
Reason	__regexToken(%3)
Request Url	%2
Source Address	__regexTokenAsAddress(%5)
Source User Name	__regexToken(%3)

Event 412

ArcSight Field	Vendor Field
Destination Dns Domain	%4
Device Custom String 1	%2
Device Custom String 1 Label	"Activity ID"
Device Custom String 4	%1
Device Custom String 4 Label	"Instance ID"
Device Custom String 6	%3
Device Custom String 6 Label	"Token type"
Message	__concatenate("A token of type ",%3," for relying party ",%4," was successfully authenticated")
Name	"A token for relying party was successfully authenticated"

Event 413

ArcSight Field	Vendor Field
Destination Dns Domain	%5
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Name	"An error occurred during processing of a token request"
Old File Hash	__concatenate("Caller:",%2)
Old File Id	__concatenate("Device identity:",%6)
Old File Name	__concatenate("Act as User:",%4)
Source Address	%7
Source User Name	__extractNTUser(%3)

Event 418

ArcSight Field	Vendor Field
File Hash	%4
File Name	%2
Name	"Trust between federation server proxy and service was successfully renewed"
Old File Hash	%3
Source Address	%1

Event 420

ArcSight Field	Vendor Field
File Hash	%4
File Name	%3
Name	"Trust between federation server proxy and service was successfully established"
Source Address	%2
Source User Name	__extractNTUser(%1)
Surce Nt Domain	__extractNTDomain(%1)

Event 424

ArcSight Field	Vendor Field
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Device Custom String 6	%5
Device Custom String 6 Label	"Inner exception"
File Hash	%2
File Name	%3
Name	"The federation server proxy was not able to authenticate the client certificate presented in the request"
Source Address	%4

Event 431

ArcSight Field	Vendor Field
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Device Custom String 4	%5
Device Custom String 4 Label	"Token Type"
Device Custom String 5	%4
Device Custom String 5 Label	"Request Type"
Device Custom String 6	%6
Device Custom String 6 Label	"Signature Algorithm"
File Size	%2
File Type	%3
Name	"An active request was received at STS with RST"

Event 510

ArcSight Field	Vendor Field
Name	More information for the event entry with Instance ID.
Device Custom String 4	%1
Device Custom String 4 Label	Instance ID

Event 512

ArcSight Field	Vendor Field
Device Custom Date 1	__concatenate(%5," ",%6)
Device Custom Date 1 Label	"Last Bad Password Attempt"
Device Custom Number 1	%4
Device Custom Number 1 Label	"Bad Password Count"
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Message	__concatenate("The account for the following user ",%2," is locked out. A login attempt is being allowed due to the system configuration")
Name	"The account for the following user is locked out"
Source Address	%3
Source Nt Domain	__extractNTDomain(%2)
Source User Name	__extractNTUser(%2)

Event 513

ArcSight Field	Vendor Field
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Device Custom String 6	%4
Device Custom String 6 Label	"Exception details"

ArcSight Field	Vendor Field
Name	"The Artifact REST service failed to return an artifact as a result of an error during processing"
Request Url	%3
Source Address	%2

Event 515

ArcSight Field	Vendor Field
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Event Outcome	"This account may be compromised"
Message	__concatenate("The following user ",%2," account was in a locked out state and the correct password was just provided. This account may be compromised")
Name	"The following user account was in a locked out state and the correct password was just provided"
Source Address	%3
Source Nt Domain	__extractNTDomain(%2)
Source User Name	__extractNTUser(%2)

Event 516

ArcSight Field	Vendor Field
Device Custom Date 1	__concatenate(%5," ",%6)
Device Custom Date 1 Label	"Last Bad Password Attempt"
Device Custom Number 1	%4
Device Custom Number 1 Label	"Bad Password Count"
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Name	"The following user account has been locked out due to too many bad password attempts"

ArcSight Field	Vendor Field
Source Address	%3
Source Nt Domain	__extractNTDomain(%2)
Source User Name	__extractNTUser(%2)

Event 575

ArcSight Field	Vendor Field
Device Custom String 4	Microsoft.IdentityServer.Service.AccountPolicy.SmartLockoutProvider, Microsoft.IdentityServer.Service, Version=10.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35
Device Custom String 4 Label	Type
Device Custom String 5	SmartLockoutProvider
Device Custom String 5 Label	Module Name
Device Custom String 6	N/A
Device Custom String 6 Label	Module Identifier
Name	The following threat detection module was successfully loaded.

Event 1000

ArcSight Field	Vendor Field
Device Custom String 1	N/A
Device Custom String 1 Label	Caller
Device Custom String 4	N/A
Device Custom String 4 Label	OnBehalfOf user
Device Custom String 5	N/A
Device Custom String 5 Label	ActAs user
Device Custom String 6	N/A
Device Custom String 6 Label	Device identity
Name	An error occurred during processing of a token request . The data in this event may have the identity of the caller (application) that made this request. The data includes an Activity ID that you can cross- reference to error or warning events to help diagnose the problem that caused this error.

Event 1102

ArcSight Field	Vendor Field
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Device Custom String 5	%4
Device Custom String 5 Label	"Additional details"
Name	"The Federation Service authorized a request to one of the REST endpoints"
Request Url	%3
Source Address	%2

Event 1200

ArcSight Field	Vendor Field
Name	"The Federation Service issued a valid token"

Event 1201

ArcSight Field	Vendor Field
Name	"The Federation Service failed to issue a valid token"

Event 1202

ArcSight Field	Vendor Field
Name	"The Federation Service validated a new credential"

Event 1203

ArcSight Field	Vendor Field
Name	"The Federation Service failed to validate a new credential"

Event 1204

ArcSight Field	Vendor Field
Name	"A password was changed"

Event 1205

ArcSight Field	Vendor Field
Name	"A password change was attempted, but failed"

Event 1206

ArcSight Field	Vendor Field
Name	"A Sign Out request was successfully processed"

Event 1210

ArcSight Field	Vendor Field
Name	"An extranet lockout event has occurred"

Common Mappings for Events - 1200, 1201, 1202, 1203, 1204, 1205, 1206, and 1210

ArcSight Field	Vendor Field
Application Protocol	AuthProtocol
Destination Dns Domain	RelyingParty
Destination Host Name	__regexToken(Server)
Destination Service Name	__regexToken(Server)
Device Custom Date 1	LastBadAttempt
Device Custom Date 1 Label	"Last Bad Attempt"
Device Custom Number 1	__oneOfLong(CurrentBadPasswordCount)
Device Custom Number 1 Label	"Current Bad Password Count"

ArcSight Field	Vendor Field
Device Custom Number 2	__oneOfLong(ConfigBadPasswordCount)
Device Custom Number 2 Label	"Config Bad Password Count"
Device Custom String 1	%1
Device Custom String 1 Label	"Activity ID"
Device Custom String 5	ForwardedIpAddress
Device Custom String 5 Label	"Forwarded Ip Address"
Device Custom String 6	AuditType
Device Custom String 6 Label	"Audit Type"
Device Domain	NetworkLocation
Device External Id	DeviceId
Device Process Name	ClaimsProvider
Event Outcome	AuditResult
Old File Hash	__concatenate("SSO Binding Validation Level:",SSOBindingValidationLevel)
Old File Name	__concatenate("Device Auth:",DeviceAuth)
Old File Path	__concatenate("Primary Auth:",PrimaryAuth)
Old File Type	__concatenate("Failure Type:",FailureType)
Reason	ErrorCode
Request Client Application	UserAgentString
Source Address	IpAddress
Source Nt Domain	__extractNTDomain(UserId)
Source Translated Address	__regexToken(ForwardedIpAddress)
Source User Name	__extractNTUser(UserId)

Event Mappings for Microsoft Antimalware

This section has the following topics:

Windows 2012

Event 1000

ArcSight Field	Vendor Field
Device Version	Product Version
Device Custom String 1	Scan ID
Scan Type Index	Scan Type Index
Device Event Category	Scan Type
Scan Parameter Index	Scan Parameter Index
Device Action	Scan Parameters
Source Nt Domain	Domain
Source User Name	User
Sid	SID
File Path	Scan resources

Event 1001

ArcSight Field	Vendor Field
Device Version	Product Version
Device Custom String 1	Scan ID
Scan Type Index	Scan Type Index
Device Event Category	Scan Type
Scan Parameter Index	Scan Parameter Index
Device Action	Scan Parameters
Source Nt Domain	Domain
Source User Name	User
Sid	SID
Device Custom Number 1	Scan Time Hours
Device Custom Number 2	Scan Time Minutes
Device Custom Number 3	Scan Time Seconds

Event 1002

ArcSight Field	Vendor Field
Device Version	Product Version
Device Custom String 1	Scan ID
Scan Type Index	Scan Type Index
Device Event Category	Scan Type
Scan Parameter Index	Scan Parameter Index
Device Action	Scan Parameters
Source Nt Domain	Domain
Source User Name	User
Sid	SID

Event 1005

ArcSight Field	Vendor Field
Device Custom String 1 Label	Scan ID
Device Custom String 1	Scan ID
Device Custom String 5	Error Code
Device Custom String 5 Label	Error Code
Device Event Category	Scan Type
Device Action	Scan Parameters
Source Nt Domain	Domain
Source User Name	User
Reason	Error Code

Event 1011

ArcSight Field	Vendor Field
Device Version	Product Version
Source Nt Domain	Domain
Source User Name	User

ArcSight Field	Vendor Field
Sid	SID
Device Custom String 1	Threat Name
Device Custom Number 1	Threat ID
Device Custom Number 2	Severity ID
Device Custom Number 3	Category ID
FWLink	FWLink
File Path	Path
Device Severity	Severity Name
Device Custom String 4	Category Name
Device Custom String2	Signature Version
(Concatenating both the fields)	Engine Version

Event 1013

ArcSight Field	Vendor Field
Device Version	Product Version
Device Custom Date1	Timestamp
Source Nt Domain	Domain
Source User Name	User
Sid	SID

Event 1116

ArcSight Field	Vendor Field
Device Version	Product Version
Device Custom String 5	Detection ID
Device Custom Date 1	Detection Time
Device Custom Number 1	Threat ID
Device Custom String 1	Threat Name
Device Custom Number 2	Severity ID
Device Custom String 3	Severity Name

ArcSight Field	Vendor Field
Device Custom Number 3	Category ID
Device Custom String 4	Category Name
FWLink	FWLink
Status Code	Status Code
Status Description	Status Description
State	State
Source ID	Source ID
Source Name	Source Name
Source Process Name	Process Name
Source User Name	Detection User
File Path	Path
Origin ID	Origin ID
Origin Name	Origin Name
Execution ID	Execution ID
Execution Name	Execution Name
Type ID	Type ID
Old File Type	Type Name
Pre Execution Status	Pre Execution Status
Action ID	Action ID
Device Action	Action Name
Error Code	Error Code
Reason	Error Description
Post Clean Status	Post Clean Status
Additional Action ID	Additional Action ID
Additional Action String	Additional Action String
Remediation User	Remediation User
(Concatenating both Engine Version and Signature Version in Device Custom String 2	Signature Version
(Concatenating both Engine Version and Signature Version in Device Custom String 2	Engine Version

Event 1117

ArcSight Field	Vendor Field
Product Version	Device Version
Detection ID	Device Custom String 5
Detection Time	Device Custom Date 1
Threat ID	Device Custom Number 1
Threat Name	Device Custom String 1
Severity ID	Device Custom Number 2
Severity Name	Device Custom String 3
Category ID	Device Custom Number 3
Category Name	Device Custom String 4
FWLink	FWLink
Status Code	Status Code
Status Description	Status Description
State	State
Source ID	Source ID
Source Name	Source Name
Source Process Name	Process Name
Source User Name	Detection User
File Path	Path
Origin ID	Origin ID
Origin Name	Origin Name
Execution ID	Execution ID
Execution Name	Execution Name
Type ID	Type ID
Old File Type	Type Name
Pre Execution Status	Pre Execution Status
Action ID	Action ID
Device Action Name	Action Name

ArcSight Field	Vendor Field
Error Code	Error Code
Reason	Error Description
Post Clean Status	Post Clean Status
Additional Action ID	Additional Action ID
Additional Action String	Additional Action String
Remediation User	Remediation User
(Concatenating both Engine Version and Signature Version in Device Custom String 2	Signature Version
(Concatenating both Engine Version and Signature Version in Device Custom String 2	Engine Version

Event 1150

ArcSight Field	Vendor Field
Device Version	Product Version
(Concatenating both Engine Version and Signature Version in Device Custom String 2	Signature Version
(Concatenating both Engine Version and Signature Version in Device Custom String 2	Engine Version

Event 2000

ArcSight Field	Vendor Field
Device Venison	Product Version
File Id	Current Signature Version
Old File Id	Previous Signature Version
Source Nt Domain	Domain
Source User Name	User
Sid	SID
Signature Type Index	Signature Type Index

ArcSight Field	Vendor Field
Device Event Category	Signature Type
Update Type Index	Update Type Index
Device Custom String 6	Update Type
(Concatenating both Engine Version and Signature Version in Device Custom String 2	Current Engine Version
(Concatenating both Engine Version and Signature Version in Device Custom String 2	Previous Engine Version

Event 2001

ArcSight Field	Vendor Field
Device Version	Product Version
Source Nt Domain	Domain
Source User Name	User
Sid	SID
Device Custom String 5	Error Code
Reason	Error Description
File Path	FWLink

Event 2002

ArcSight Field	Vendor Field
Product Verison	Device Version
(Concatenating both Previous Engine Version and Current Version in Device Custom String 2	Previous Engine Version
(Concatenating both Previous Engine Version and Current Version in Device Custom String 2	Current Engine Version
Source Nt Domain	Domain
Source User Name	User

ArcSight Field	Vendor Field
Sid	SID
Feature Index	Feature Index
Feature Name	Feature Index Name

Event 2010

ArcSight Field	Vendor Field
Device Version	Product Version
File Id	Current Signature Version
Signature Type Index	Signature Type Index
Device Event Category	Signature Type
Device Custom String 2	Current Engine Version
Dynamic Signature Type Index	Dynamic Signature Type Index
Dynamic Signature Type	Dynamic Signature Type
File Path	Persistence Path
Dynamic Signature Version	Dynamic Signature Version
Persistence Limit Type Index	Persistence Limit Type Index
Persistence Limit Type	Persistence Limit Type
Persistence Limit Value	Persistence Limit Value

Event 2011

ArcSight Field	Vendor Field
Device Version	Product Version
File Id	Current Signature Version
Signature Type Index	Signature Type Index
Device Event Category	Signature Type
Device Custom String 2	Current Engine Version
Dynamic Signature Type Index	Dynamic Signature Type Index
Dynamic Signature Type	Dynamic Signature Type
File Path	Persistence Path

ArcSight Field	Vendor Field
Dynamic Signature Version	Dynamic Signature Version
Persistence Limit Type Index	Persistence Limit Type Index
Persistence Limit Type	Persistence Limit Type
Persistence Limit Value	Persistence Limit Value
Removal Reason Index	Removal Reason Index
Reason	Removal Reason Value

Event 3002

ArcSight Field	Vendor Field
Device Version	Product Version
Device Custom String 5	Error Code
Reason	Error Description

Event 5000

ArcSight Field	Vendor Field
Device Version	Product Version

Event 5001

ArcSight Field	Vendor Field
Device Version	Product Version

Event 5004

ArcSight Field	Vendor Field
Device Version	Product Version
File Hash	Feature Name
File Id	Feature ID
Device Custom Number 1	Configuration
Device Custom Number 1 Label	Configuration

Event 5007

ArcSight Field	Vendor Field
Device Version	Product Version
Old File Name	Old Value
File Name	New Value

Event 5010

ArcSight Field	Vendor Field
Device Version	Product Version

Event 5012

ArcSight Field	Vendor Field
Device Version	Product Version

Windows 2008 R2

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'

Event 20088

ArcSight Field	Vendor Field
Name	Remote Access Server acquired IP Address
Destination Address	%1 (Assigned Address)
Message	Both ('The Remote Access Server acquired IP Address ',%1,' to be used on the Server Adapter.')

Event 20106

ArcSight Field	Vendor Field
Name	Unable to add interface
Device Outbound Interface	%1 (Interface)
Application Protocol	%2 (Protocol)
Message	%3 (Message Text)

Event 20184

ArcSight Field	Vendor Field
Name	Interface is unreachable
Device Inbound Interface	%1 (Interface)
Message	Both ('Interface ',%1,' is unreachable because it is not currently connected to the network.')

Event 20249

ArcSight Field	Vendor Field
Name	Failed to authenticate
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Message	Both ('The user ',%2,' has connected and failed to authenticate on port ',%3,'. The line has been disconnected.')

Event 20252

ArcSight Field	Vendor Field
Name	Authentication process did not complete
Device Custom String 4	Correlation-ID

ArcSight Field	Vendor Field
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	Both ('The user connected to port ',%2,' has been disconnected because the authentication process did not complete within the required amount of time.')

Event 20255

ArcSight Field	Vendor Field
Name	Connection was prevented
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	%4 (Message Text)

Event 20258

ArcSight Field	Vendor Field
Name	Account does not have Remote Access privilege
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The account for user ',%3,' connected on port ',%4,' does not have Remote Access privilege. The line has been disconnected.')

Event 20266

ArcSight Field	Vendor Field
Name	Successfully authenticated
Device Custom String 4	Correlation-ID

ArcSight Field	Vendor Field
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The user ',One of (%2,%3),' has connected and has been successfully authenticated on port ',One of (%3,%4),'. Data sent and received over this link is strongly encrypted.')

Event 20271

ArcSight Field	Vendor Field
Name	Failed an authentication attempt
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Source Address	%3 (Address)
Reason	%5 (Reason)
Message	%4 (Message Text)

Event 20272

ArcSight Field	Vendor Field
Name	User connected and disconnected
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Start Time	Both (%4, %5)
End Time	Both (%5, %6)
Device Custom Number 1	User active minutes
Device Custom Number 2	User active seconds

ArcSight Field	Vendor Field
Bytes Out	%10 (Bytes Out)
Bytes In	%10 (Bytes In)
Additional data	%12
Additional data	%13
Additional data	%14
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ on ‘,%4,’ at ‘,%5,’ and disconnected on ‘,%6,’ at ‘,%7,’. The user was active for ‘,%8,’ minutes, ‘,%9,’ seconds, ‘,%10,’ bytes were sent and ‘,%11,’ bytes were received. The reason for disconnecting was ‘,%12,. The tunnel used was ‘,%13,’. The quarantine state was ‘,%14,’.’)

Event 20274

ArcSight Field	Vendor Field
Name	User connected and has been assigned address
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Destination Address	%4 (Assigned Address)
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ has been assigned address ‘,%4’)

Event 20275

ArcSight Field	Vendor Field
Name	User disconnected
Device Custom String 4	Correlation-ID
Source Address	%2 (Address)
Message	Both (‘The user with ip address ‘,%2,’ has disconnected’)

Event Mappings for Microsoft DNS Server Analytics

This section has the following topics:

Event Mappings

General

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'DNS Server Analytic'
Device Version	'Unknown'

Event 256

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom Number 3	Flags
Device Custom Number 3 Label	"Flags"
Device Custom String 1	QTYPE
Device Custom String 1 Label	"Query Type"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound
File Size	BufferSize
File Hash	AdditionalInfo
Name	"QUERY_RECEIVED"
Old File Id	RD

Event 257

ArcSight Field	Vendor Field
Destination Address	Destination
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom Number 2	DNSSEC
Device Custom Number 2 Label	"DNSSEC"
Device Custom Number 3	Flags
Device Custom Number 3 Label	"Flags"
Device Custom String 1	QTYPE
Device Custom String 1 Label	"Query Type"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Custom String 5	PolicyName
Device Custom String 5 Label	"Policy Name"
Device Custom String 6	RCODE
Device Custom String 6 Label	"Return Code"
Device Direction	Inbound/Outbound
File Size	BufferSize
File Hash	AdditionalInfo
Name	"RESPONSE_SUCCESS"
Old File Id	AA,AD
Request Context	Zone
Request Cookies	"Lookup"
Request Url	QNAME
Source Port	Port
Source Address	InterfaceIP

Event 258

ArcSight Field	Vendor Field
Destination Address	Destination
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom Number 3	Flags
Device Custom Number 3 Label	"Flags"
Device Custom String 1	QTYPE
Device Custom String 1 Label	"Query Type"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Custom String 5	PolicyName
Device Custom String 5 Label	"Policy Name"
Device Custom String 6	RCODE
Device Custom String 6 Label	"Return Code"
Device Direction	Inbound/Outbound
File Size	BufferSize
File Hash	AdditionalInfo
Name	"RESPONSE_FAILURE"
Reason	Reason
Request Context	Zone
Request Cookies	"Lookup"
Request Url	QNAME
Source Port	Port
Source Address	InterfaceIP

Event 259

ArcSight Field	Vendor Field
Destination Address	Destination
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom String 1	QTYPE
Device Custom String 1 Label	"Query Type"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Custom String 5	PolicyName
Device Custom String 5 Label	"Policy Name"
Device Direction	Inbound/Outbound
File Hash	AdditionalInfo
Name	"IGNORED_QUERY"
Reason	Reason
Request Context	Zone
Request Cookies	"Lookup"
Request Url	QNAME
Source Port	Port
Source Address	InterfaceIP

Event 260

ArcSight Field	Vendor Field
Destination Address	Destination
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom Number 3	Flags

ArcSight Field	Vendor Field
Device Custom Number 3 Label	"Flags"
Device Custom String 1	QTYPE
Device Custom String 1 Label	"Query Type"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Custom String 5	PolicyName
Device Custom String 5 Label	"Policy Name"
Device Direction	Inbound/Outbound
File Size	BufferSize
File Hash	AdditionalInfo
Name	"RECURSE_QUERY_OUT"
Old File Id	RD
Old File Hash	RecursionScope,CacheScope
Request Cookies	"Recursive query"
Request Url	QNAME
Source Port	Port
Source Address	InterfaceIP

Event 261

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom Number 3	Flags
Device Custom Number 3 Label	"Flags"
Device Custom String 1	QTYPE
Device Custom String 1 Label	"Query Type"

ArcSight Field	Vendor Field
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound
File Size	BufferSize
File Hash	AdditionalInfo
Name	"RECURSE_RESPONSE_IN"
Old File Id	AA,AD
Old File Hash	RecursionScope,CacheScope
Request Cookies	"Recursive query"
Request Url	QNAME
Source Port	Port
Source Address	InterfaceIP

Event 262

ArcSight Field	Vendor Field
Destination Address	Destination
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom Number 3	Flags
Device Custom Number 3 Label	"Flags"
Device Custom String 1	QTYPE
Device Custom String 1 Label	"Query Type"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound
File Hash	AdditionalInfo
Name	"RECURSE_QUERY_TIMEOUT"
Old File Hash	RecursionScope,CacheScope

ArcSight Field	Vendor Field
Request Cookies	"Recursive query"
Request Url	QNAME
Source Port	Port
Source Address	InterfaceIP

Event 263

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom Number 2	Secure
Device Custom Number 2 Label	"SECURE"
Device Custom Number 3	Flags
Device Custom Number 3 Label	"Flags"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"DYN_UPDATE_RECV"
Request Cookies	"Dynamic update"
Request Url	QNAME
Source Port	Port
Source Address	Source

Event 264

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Custom String 5	PolicyName
Device Custom String 5 Label	"Policy Name"
Device Custom String 6	RCODE
Device Custom String 6 Label	"Return Code"
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"DYN_UPDATE_RESPONSE"
Old File Hash	ZoneScope
Request Context	Zone
Request Cookies	"Dynamic update"
Request Url	QNAME
Source Address	InterfaceIP

Event 265

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound

ArcSight Field	Vendor Field
File Size	BufferSize
Name	"IXFR_REQ_OUT"
Old File Hash	ZoneScope
Request Context	Zone
Request Cookies	"Zone XFR"
Request Url	QNAME
Source Address	Source

Event 266

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"IXFR_REQ_RECV"
Old File Hash	ZoneScope
Request Context	Zone
Request Cookies	"Zone XFR"
Request Url	QNAME
Source Address	Source

Event 267

ArcSight Field	Vendor Field
Destination Address	Destination
Device Custom Number 1	TCP

ArcSight Field	Vendor Field
Device Custom Number 1 Label	"TCP"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Custom String 6	RCODE
Device Custom String 6 Label	"Return Code"
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"IXFR_RESP_OUT"
Old File Hash	ZoneScope
Request Context	Zone
Request Cookies	"Zone XFR"
Request Url	QNAME
Source Address	InterfaceIP

Event 268

ArcSight Field	Vendor Field
Destination Address	Destination
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Custom String 6	RCODE
Device Custom String 6 Label	"Return Code"
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"IXFR_RESP_RECV"
Old File Hash	ZoneScope
Request Context	Zone

ArcSight Field	Vendor Field
Request Cookies	"Zone XFR"
Request Url	QNAME
Source Address	InterfaceIP

Event 269

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"AXFR_REQ_OUT"
Old File Hash	ZoneScope
Request Context	Zone
Request Cookies	"Zone XFR"
Request Url	QNAME
Source Address	Source

Event 270

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound

ArcSight Field	Vendor Field
File Size	BufferSize
Name	"AXFR_REQ_RECV"
Old File Hash	ZoneScope
Request Context	Zone
Request Cookies	"Zone XFR"
Request Url	QNAME
Source Address	Source

Event 271

ArcSight Field	Vendor Field
Destination Address	Destination
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Custom String 6	RCODE
Device Custom String 6 Label	"Return Code"
Device Direction	Inbound/Outbound
Name	"AXFR_RESP_OUT"
Old File Hash	ZoneScope
Request Context	Zone
Request Cookies	"Zone XFR"
Request Url	QNAME
Source Address	InterfaceIP

Event 272

ArcSight Field	Vendor Field
Destination Address	Destination
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Custom String 6	RCODE
Device Custom String 6 Label	"Return Code"
Device Direction	Inbound/Outbound
Name	"AXFR_RESP_RECV"
Old File Hash	ZoneScope
Request Context	Zone
Request Cookies	"Zone XFR"
Request Url	QNAME
Source Address	InterfaceIP

Event 273

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"XFR_NOTIFY_RECV"
Old File Hash	ZoneScope
Request Context	Zone
Request Cookies	"Zone XFR"
Request Url	QNAME
Source Address	Source

Event 274

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"XFR_NOTIFY_OUT"
Old File Hash	ZoneScope
Request Context	Zone
Request Cookies	"Zone XFR"
Request Url	QNAME
Source Address	Source

Event 275

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"XFR_NOTIFY_ACK_IN"
Old File Hash	ZoneScope
Request Cookies	"Zone XFR"
Source Address	Source

Event 276

ArcSight Field	Vendor Field
Destination Address	Destination
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"XFR_NOTIFY_ACK_OUT"

ArcSight Field	Vendor Field
Request Context	Zone
Request Cookies	"Zone XFR"
Source Address	InterfaceIP

Event 277

ArcSight Field	Vendor Field
Destination Address	Destination
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound
Name	"DYN_UPDATE_FORWARD"
Request Context	Zone
Request Cookies	"Dynamic update"
Source Address	ForwardInterfaceIP

Event 278

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound
Name	"DYN_UPDATE_RESPONSE_IN"
Request Context	Zone
Request Cookies	"Dynamic update"
Request Url	QNAME
Source Address	Source

Event 279

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom Number 3	Flags
Device Custom Number 3 Label	"Flags"
Device Custom String 1	QTYPE
Device Custom String 1 Label	"Query Type"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"INTERNAL_LOOKUP_CNAME"
Old File Id	RD
Request Cookies	"Lookup"
Request Url	QNAME
Source Port	Port
Source Address	Source

Event 280

ArcSight Field	Vendor Field
Destination Address	InterfaceIP
Device Custom Number 1	TCP
Device Custom Number 1 Label	"TCP"
Device Custom Number 3	Flags
Device Custom Number 3 Label	"Flags"

ArcSight Field	Vendor Field
Device Custom String 1	QTYPE
Device Custom String 1 Label	"Query Type"
Device Custom String 4	XID
Device Custom String 4 Label	"XID"
Device Direction	Inbound/Outbound
File Size	BufferSize
Name	"INTERNAL_LOOKUP_ADDITIONAL"
Old File Id	RD
Request Cookies	"Lookup"
Request Url	QNAME
Source Port	Port
Source Address	Source

Windows 2008 R2

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'

Event 20088

ArcSight Field	Vendor Field
Name	Remote Access Server acquired IP Address
Destination Address	%1 (Assigned Address)
Message	Both ('The Remote Access Server acquired IP Address ',%1,' to be used on the Server Adapter.')

Event 20106

ArcSight Field	Vendor Field
Name	Unable to add interface
Device Outbound Interface	%1 (Interface)
Application Protocol	%2 (Protocol)
Message	%3 (Message Text)

Event 20184

ArcSight Field	Vendor Field
Name	Interface is unreachable
Device Inbound Interface	%1 (Interface)
Message	Both ('Interface ',%1,' is unreachable because it is not currently connected to the network.')

Event 20249

ArcSight Field	Vendor Field
Name	Failed to authenticate
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Message	Both ('The user ',%2,' has connected and failed to authenticate on port ',%3,'. The line has been disconnected.')

Event 20252

ArcSight Field	Vendor Field
Name	Authentication process did not complete
Device Custom String 4	Correlation-ID

ArcSight Field	Vendor Field
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	Both ('The user connected to port ',%2,' has been disconnected because the authentication process did not complete within the required amount of time.')

Event 20255

ArcSight Field	Vendor Field
Name	Connection was prevented
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	%4 (Message Text)

Event 20258

ArcSight Field	Vendor Field
Name	Account does not have Remote Access privilege
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The account for user ',%3,' connected on port ',%4,' does not have Remote Access privilege. The line has been disconnected.')

Event 20266

ArcSight Field	Vendor Field
Name	Successfully authenticated
Device Custom String 4	Correlation-ID

ArcSight Field	Vendor Field
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The user ',One of (%2,%3),' has connected and has been successfully authenticated on port ',One of (%3,%4),'. Data sent and received over this link is strongly encrypted.')

Event 20271

ArcSight Field	Vendor Field
Name	Failed an authentication attempt
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Source Address	%3 (Address)
Reason	%5 (Reason)
Message	%4 (Message Text)

Event 20272

ArcSight Field	Vendor Field
Name	User connected and disconnected
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Start Time	Both (%4, %5)
End Time	Both (%5, %6)
Device Custom Number 1	User active minutes
Device Custom Number 2	User active seconds

ArcSight Field	Vendor Field
Bytes Out	%10 (Bytes Out)
Bytes In	%10 (Bytes In)
Additional data	%12
Additional data	%13
Additional data	%14
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ on ‘,%4,’ at ‘,%5,’ and disconnected on ‘,%6,’ at ‘,%7,’. The user was active for ‘,%8,’ minutes, ‘,%9,’ seconds, ‘,%10,’ bytes were sent and ‘,%11,’ bytes were received. The reason for disconnecting was ‘,%12,. The tunnel used was ‘,%13,’. The quarantine state was ‘,%14,’.’)

Event 20274

ArcSight Field	Vendor Field
Name	User connected and has been assigned address
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Destination Address	%4 (Assigned Address)
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ has been assigned address ‘,%4’)

Event 20275

ArcSight Field	Vendor Field
Name	User disconnected
Device Custom String 4	Correlation-ID
Source Address	%2 (Address)
Message	Both (‘The user with ip address ‘,%2,’ has disconnected’)

Microsoft Exchange Mailbox Access Auditing

The following section lists the mappings of ArcSight data fields to the device's specific event definitions. See *ArcSight 101* for more information about the ArcSight data fields.

Events 10100, 10101

ArcSight ESM Field	Device-Specific Field
Device Custom IPv6 Address 3	Destination IPv6 Address
Device Custom Number 1	Source Process ID
Device Custom String 4	Mailbox Name
Device Custom String 5	Relatively Unique Identifier
File Name	%2 (Message ID or Folder name depending upon event)
File Path	%1 (Folder path)
Name	A folder in mailbox was opened by user.
Source Host Name	%9 (Account Name)
Source Process Name	%11 (Process Name)
Source Service Name	%13 (Application ID)
Target Address	Address
Destination User ID	%5 (Accessing User (full Exchange ID))
Destination User Name	%4 (Account Name)
Destination User Privileges	One of (‘Administrative rights were used’, ‘ ‘)

Event 10102

ArcSight ESM Field	Device-Specific Field
Device Custom IPv6 Address 3	Destination IPv6 Address
Device Custom Number 1	Source Process ID
Device Custom Number 3	Administrative Rights
Device Custom String 4	Mailbox Name
Device Custom String 5	Identifier

ArcSight ESM Field	Device-Specific Field
Device Custom String 6	Administrative Rights
File Name	Message ID or Folder name, depending upon event
File Path	Folder path (when relevant)
Name	A message in mailbox was opened by user.
Source Host Name	Machine Name
Source Process Name	Process Name
Source Service Name	Application ID
Source User ID	Accessing User (full Exchange ID)
Source User Name	Account Name
Target Address	Address

Events 10104,

ArcSight ESM Field	Device-Specific Field
Device Custom IPv6 Address 3	Destination IPv6 Address
Device Custom Number 1	Source Process ID
Device Custom String 4	Mailbox Name
Device Custom String 5	Relatively Unique Identifier
Device Custom String 6	Sent as user
File Name	%3 (Message ID or Folder name, depending upon event)
Name	User sent a message on behalf of another user.
Source Host Name	10% (Machine Name)
Source Process Name	12% (Process Name)
Source Service Name	14% (Application ID)
Destination User ID	%6 (Accessing User (full Exchange ID))
Destination User Name	%5 (Account Name)
Destination User Privileges	One of (‘Administrative rights were used’, ‘ ‘)
Destination Host Name	%11 (Address)
Destination Address	%11 (Address)

Event Mappings for Microsoft Exchange Mailbox Store

The following section lists the mappings of ArcSight data fields to the device's specific event definitions:

General Exchange Events

ArcSight ESM Field	Device-Specific Field
Device Vendor	Microsoft
Device Product	Exchange Server

Event 1016

ArcSight ESM Field	Device-Specific Field
Device Customer String3	%2 (Mail Box)
Source Nt Domain	%1
Source User Name	%1

Device Event Mapping to ArcSight Fields

The following sections lists the mappings of ArcSight data fields to the device's specific event definitions. See *ArcSight 101* for more information about the ArcSight data fields.

Windows 2008

General

ArcSight ESM Field	Device-Specific Field
Device Product	'Forefront Protection'
Device Vendor	'Microsoft'

Event 7000

ArcSight ESM Field	Device-Specific Field
Message	'All the antimalware engines selected in the Forefront Administration Console for scanning have been enabled for updates.'
Name	‘All the antimalware engines selected in the Forefront Administration Console’

Event 7001

ArcSight ESM Field	Device-Specific Field
Message	'Not all the antimalware engines selected in the Forefront Administration Console for scanning have been enabled for updates.'
Name	‘Not all the antimalware engines selected in the Forefront Administration Console’

Event 7002

ArcSight ESM Field	Device-Specific Field
Name	'All the antimalware engines enabled for updates have been updated successfully at the last attempt'

Event 7003

ArcSight ESM Field	Device-Specific Field
Name	'Not all of the antimalware engines enabled for updates have successfully updated at the last attempt’

Event 7004

ArcSight ESM Field	Device-Specific Field
Name	'Less than half of the antimalware engines enabled for updates have updated successfully at the last attempt.'

Event ID 7005

ArcSight ESM Field	Device-Specific Field
Name	‘All the antimalware engines enabled for updates have updated successfully in the last five days’

Event 7006

ArcSight ESM Field	Device-Specific Field
Name	‘At least one of the antimalware engines enabled for updates has not been updated in the last five days.’

Event 7007

ArcSight ESM Field	Device-Specific Field
Name	'None of the antimalware engines enabled for updates have been updated in the last five days.'

Event 7008

ArcSight ESM Field	Device-Specific Field
Name	'The antimalware engines selected for transport scanning have been initialized.'

Event ID 7010

ArcSight ESM Field	Device-Specific Field
Name	The antimalware engines selected for realtime scanning have been initialized.'

Event 7012

ArcSight ESM Field	Device-Specific Field
Name	'The transport scan job is enabled’

Event 7015

ArcSight ESM Field	Device-Specific Field
Name	'The realtime scan job is enabled.'

Event 7018

ArcSight ESM Field	Device-Specific Field
Name	'The realtime scanning processes are running normally with no issues.'

Event 7021

ArcSight ESM Field	Device-Specific Field
Name	'The transport scanning processes are running normally with no issues.'

Event 7024

ArcSight ESM Field	Device-Specific Field
Name	'The MS Exchange Transport Service is running and the Forefront Agent is registered.'
Destination Service Name	‘MS Exchange Transport Service’

Event 7025

ArcSight ESM Field	Device-Specific Field
Name	‘The MS Exchange Transport Service is running but the Forefront Agent is not registered’
Destination Service Name	‘MS Exchange Transport Service’

Event 7026

ArcSight ESM Field	Device-Specific Field
Name	'The MS Information Store is running and the Forefront VSAPI Library is registered.'

Event 7028

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection Product is within the license period.'

Event 7033

ArcSight ESM Field	Device-Specific Field
Name	‘The Forefront Protection Product is within the license period’

Event 7035

ArcSight ESM Field	Device-Specific Field
Name	'There is at least amount of disk space available.'

Event 7040

ArcSight ESM Field	Device-Specific Field
Name	'The Eventing Service (FSCEventing) is functioning.'
Destination Service Name	‘FSC Eventing’

Event 7044

ArcSight ESM Field	Device-Specific Field
Name	'The Mail Pickup Service (FSEMailPickup) is functioning.'
Destination Service Name	‘FSEMailPickup’

Event 7046

ArcSight ESM Field	Device-Specific Field
Name	‘Content Filter is enabled and definitions have been updated in the last one hour’

Event 7048

ArcSight ESM Field	Device-Specific Field
Name	'Content Filter is enabled and the last definition update was over 12 hours ago.'

Event 7051

ArcSight ESM Field	Device-Specific Field
Name	'The Monitor Service (FSCMonitor) is functioning.'
Destination Service Name	‘FSCMonitor’

Event 7064

ArcSight ESM Field	Device-Specific Field
Name	‘No archived undeliverable items exist’

FSC Controller

Event 1000

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection service is running.'
Destination Service Name	‘Forefront Protection’

Event 1001

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection service has stopped.'
Destination Service Name	‘Forefront Protection’

Event 1020

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection service is starting.'
Destination Service Name	‘Forefront Protection’

Event 1021

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection service is stopping.'
Destination Service Name	‘Forefront Protection’

Event 1022

ArcSight ESM Field	Device-Specific Field
Name	'Forefront Protection Version'
Device Version	%1 (version)
Additional data	%2 (Virus Protection Feature)

Event 1023

ArcSight ESM Field	Device-Specific Field
Name	'Forefront Protection Service Pack'
Additional data	%1 (ServicePack)
Message	Both (‘Forefront Protection Service Pack:’,%1)

Event 1024

ArcSight ESM Field	Device-Specific Field
Name	'Product ID'
Additional data	%1 (ProductID)
Message	Both (‘Product ID:’, %1)

Event 1025

ArcSight ESM Field	Device-Specific Field
Name	'Licensed Components'
Message	All of (Licensed Components: Component, License Type, Expiration Date)

Event 1026

ArcSight ESM Field	Device-Specific Field
Name	'Licensed Engines'
Additional data	%1 (LicensedEngines)
Message	Both (‘Licensed Engines:’, %1)

Event 1028

ArcSight ESM Field	Device-Specific Field
Name	'System Information'
Additional data	%1 (System Information)
Message	Both (‘System Information:’, %1)

Event 1037

ArcSight ESM Field	Device-Specific Field
Name	'Event Tracing session has been started.'
Device Severity	‘Information’

Event 1041

ArcSight ESM Field	Device-Specific Field
Name	‘Scheduled Scan has been started’

Event 1043

ArcSight ESM Field	Device-Specific Field
Name	‘Scheduled Scan has stopped’

Event 1044

ArcSight ESM Field	Device-Specific Field
Name	‘Scheduled Scan has completed’

Event 2102

ArcSight ESM Field	Device-Specific Field
Name	‘The Forefront Protection application is still within the license period’

Event 5167

ArcSight ESM Field	Device-Specific Field
Name	‘Microsoft Forefront Protection Monitor detected abnormal process shutdown’
Source Process Name	%1 (process name)
Message	Both (‘Microsoft Forefront Protection Monitor detected abnormal’ %1,’ shutdown’)

Event 5183

ArcSight ESM Field	Device-Specific Field
Name	‘Scheduled scan exceeded the allowed scan time limit’

Event 8046

ArcSight ESM Field	Device-Specific Field
Name	‘AD Mark Created’

Event 8055

ArcSight ESM Field	Device-Specific Field
Name	‘Ad Mark Removed’
Message	‘Failed to Delete Reg Key’

FSC Eventing

Event 1075

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection Eventing Service has started.'
Destination Service Name	‘Forefront Protection Eventing’

Event 1076

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection Eventing Service has stopped.'
Destination Service Name	‘Forefront Protection Eventing’

FSC Manual Scanner

Event 1045

ArcSight ESM Field	Device-Specific Field
Name	'On-Demand Scan started.'
Request Client Operation	%1 (Request Client Operation)

Event 1048

ArcSight ESM Field	Device-Specific Field
Name	'On-Demand Scan stopped.'
Request Client Operation	%1 (Request Client Operation)

Event 1052

ArcSight ESM Field	Device-Specific Field
Name	'On-Demand Scan has been completed.'
Request Client Operation	%1 (Request Client Operation)

FSC Scheduled Scanner

Event 2080

ArcSight ESM Field	Device-Specific Field
Name	'Scheduled scan enabled.'

Event 2081

ArcSight ESM Field	Device-Specific Field
Name	'Scheduled scan disabled.'

Event 3009

ArcSight ESM Field	Device-Specific Field
Name	'Scheduled scan found virus.'
Device Custom String 4	mailbox name
Message	%2 (Message)
Device Custom String 1	virus name
Device Custom String 6	incident
Additional data	%4 (scan engine)
Device Action	%5 (Device Action)
File Name	%3 (File Name)

FSC Realtime Scanner

Event 2000

ArcSight ESM Field	Device-Specific Field
Name	'Realtime scan enabled.'

Event 2001

ArcSight ESM Field	Device-Specific Field
Name	'Realtime scan disabled.'

FSC Transport Scanner

Event 2007

ArcSight ESM Field	Device-Specific Field
Name	'Transport scan enabled.'

Event 2008

ArcSight ESM Field	Device-Specific Field
Name	'Transport scan disabled.'

Event 3002

ArcSight ESM Field	Device-Specific Field
Name	'Internet scan found virus'
File Path	%1 (folder)
Message	%2 (Message)
File Name	%4 (file name)
Device Custom String 6	Incident
Device Action	%6 (Device Action or State)
Device Custom String 1	virus name
Additional data	%3 (message ID)
Additional data	%5 (scan engine)

FSC Monitor

Event 1007

ArcSight ESM Field	Device-Specific Field
Name	'Forefront Protection Monitor detected Information Store process started.'
Destination Process Name	‘Information Store’

Event 1008

ArcSight ESM Field	Device-Specific Field
Name	'Forefront Protection Monitor detected Information Store shutdown.'
Destination Process Name	‘Information Store’

Event 1013

ArcSight ESM Field	Device-Specific Field
Name	'Forefront Protection Monitor is active.'

Event 1014

ArcSight ESM Field	Device-Specific Field
Name	'Forefront Protection Monitor is inactive.'

FSE On Demand Nav

Event 1049

ArcSight ESM Field	Device-Specific Field
Name	'The FseOnDemandNav service is running.'
Destination Process Name	‘FseOnDemandNav’

Event 1050

ArcSight ESM Field	Device-Specific Field
Name	'The FseOnDemandNav service has stopped.'
Destination Process Name	‘FseOnDemandNav’

FSE Mail Pickup

Event 1029

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection Mail Pickup service is running.'
Destination Service Name	‘Forefront Protection Mail Pickup’

Event 1030

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection Mail Pickup service has stopped.'
Destination Service Name	‘Forefront Protection Mail Pickup’

FSE IMC

Event 1002

ArcSight ESM Field	Device-Specific Field
Name	'FSEIMC service started.'
Destination Service Name	‘FSEIMC’

Event 1003

ArcSight ESM Field	Device-Specific Field
Name	'FSEIMC sertice stopped.'
Destination Service Name	‘FSEIMC’

FSE VS API

Event 5066

ArcSight ESM Field	Device-Specific Field
Name	‘Realtime scan exceeded the allowed scan time limit’

FSC VSS Writer

Event 1094

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection VSS Writer Service has started.'
Destination Service Name	‘Forefront Protection VSS Writer Service’

Event 1095

ArcSight ESM Field	Device-Specific Field
Name	'The Forefront Protection VSS Writer Service has stopped.'
Destination Service Name	‘Forefront Protection VSS Writer Service’

Get Engine Files

Event 2011

ArcSight ESM Field	Device-Specific Field
Name	‘Microsoft Forefront Protection did not detect any new scan engine updates’
Additional data	%1 (scan engine)
Request URL	%2 (request URL)

Event 2012

ArcSight ESM Field	Device-Specific Field
Name	'Microsoft Forefront Protection performed a successful scan engine update’
Additional data	%1 (scan engine)
Request URL	%2 (request URL)

Event 2017

ArcSight ESM Field	Device-Specific Field
Name	‘Forefront Protection has rolled back a scan engine’
Additional data	%1 (scan engine)

Event 2034

ArcSight ESM Field	Device-Specific Field
Name	'Microsoft Forefront Protection is attempting a scan engine update.'
Request URL	%2 (request url)
Additional data	%1 (scan engine)

Event 2109

ArcSight ESM Field	Device-Specific Field
Name	‘The VBuster scan engine is no longer supported’
Message	‘Updates are no longer available for this engine, and therefore the update check for this engine has been disabled. Please review the scan engine chosen for your scan jobs and make another selection to ensure up-to-date protection’
Additional data	%1 (scan engine)
Request URL	%2 (request URL)

Event 6012

ArcSight ESM Field	Device-Specific Field
Name	‘Microsoft Forefront Protection encountered an error while performing a scan engine update’
Additional data	%1 (scan engine)
Reason	%2 (Error Code)
Message	%3 (Error Detail)

Event 6014

ArcSight ESM Field	Device-Specific Field
Name	'Microsoft Forefront Protection encountered an error while performing a scan engine update.'
Additional data	%1 (scan engine)
Request URL	%2 (request url)
Additional data	%3 (proxy settings)
Reason	%4 (Error Code)
Message	%5 (Error Detail)

Event 6019

ArcSight ESM Field	Device-Specific Field
Name	'Microsoft Forefront Protection encountered an error while performing a scan engine update'
Additional data	%1 (scan engine)
Message	%2 (Error Detail)

Event 6020

ArcSight ESM Field	Device-Specific Field
Name	'Microsoft Forefront Protection encountered an error while performing a scan engine update'
Additional data	%1 (scan engine)
Request URL	%2 (request URL)
Message	%3 (Message)

Microsoft Local Administrator Password Solution

Event 5

ArcSight Field	Vendor Field
Name	__ifThenElse(%1,,"Validation passed for new local admin password","Validation failed for new local admin password against local password policy")
Message	__ifThenElse(%1,,"Validation passed for new local admin password","Validation failed for new local admin password against local password policy")
Reason	%1

Event 10

ArcSight Field	Vendor Field
Name	__stringConstant("Password expiration too long for computer")
Message	__stringConstant("Password expiration too long for computer")
Device Action	__stringConstant("Resetting password now")
Device Custom Number 1	__safeToLong(%1)
Device Custom String1 Label	Excessive Days
Device Custom String2 Label	Days to change password

Event 11

ArcSight Field	Vendor Field
Name	__stringConstant("It is not necessary to change password yet")
Message	__stringConstant("It is not necessary to change password yet")
Device Custom Number 2	__safeToLong(%1)

Event 12

ArcSight Field	Vendor Field
Name	__stringConstant("Local Administrator password has been changed")
Message	__stringConstant("Local Administrator password has been changed")

Event 13

ArcSight Field	Vendor Field
Name	__stringConstant("Local Administrator password has been reported to AD")
Message	__stringConstant("Local Administrator password has been reported to AD")

Event 14

ArcSight Field	Vendor Field
Name	__stringConstant("Finished Successfully")
Message	__stringConstant("Finished Successfully")

Event 15

ArcSight Field	Vendor Field
Name	__stringConstant("Beginning Processing")
Message	__stringConstant("Beginning Processing")

Event 16

ArcSight Field	Vendor Field
Name	__stringConstant("Admin account management not enabled")
Message	__stringConstant("Admin account management not enabled")
Device Action	__stringConstant("Exiting")

Mappings for Microsoft Netlogon

General

ArcSight Field	Vendor Field
Device Product	''NETLOGON''
Device Vendor	‘Microsoft’

Event 5827

ArcSight Field	Vendor Field
Device Custom String 1	%3 (Account Type)
Device Custom String 1 Label	"Account Type"
Device Custom String 4	%4 (Machine Operating System)
Device Custom String 4 Label	"Machine Operating System"
Device Custom String 5	%5 (Machine Operating System Build)
Device Custom String 5 Label	"Machine Operating System Build"
Device Custom String 6	%6 (Machine Operating System Service Pack)
Device Custom String 6 Label	"Machine Operating System Service Pack"

ArcSight Field	Vendor Field
Event Outcome	"Denied"
Source Host Name	%1 (Machine SamAccountName)
Source Nt Domain	%2 (Domain)
Name	"Netlogon service denied vulnerable Netlogon secure channel connection from a machine account"

Event 5828

ArcSight Field	Vendor Field
Destination Nt Domain	%3 (Trust Target)
Device Custom String 1	%1 (Account Type)
Device Custom String 1 Label	"Account Type"
Event Outcome	"Denied"
Source Address	%4 (Client IP Address)
Source Nt Domain	%2 (Trust Name)
Name	"Netlogon service denied a vulnerable Netlogon secure channel connection using a trust account"

Event 5829

ArcSight Field	Vendor Field
Device Custom String 1	%3
Device Custom String 1 Label	"Account Type"
Device Custom String 4	%4
Device Custom String 4 Label	"Machine Operating System"
Device Custom String 5	%5
Device Custom String 5 Label	"Machine Operating System Build"
Device Custom String 6	%6
Device Custom String 6 Label	"Machine Operating System Service Pack"
Event Outcome	"Allowed"

ArcSight Field	Vendor Field
Source Host Name	%1
Source Nt Domain	%2
Name	"Netlogon service allowed a vulnerable Netlogon secure channel connection"

Event 5830

Device Custom String 1	%3
Device Custom String 1 Label	"Account Type"
Device Custom String 4	%4
Device Custom String 4 Label	"Machine Operating System"
Device Custom String 5	%5
Device Custom String 5 Label	"Machine Operating System Build"
Device Custom String 6	%6
Device Custom String 6 Label	"Machine Operating System Service Pack"
Event Outcome	"Allowed"
Source Host Name	%1
Source Nt Domain	%2
Name	"Netlogon service allowed a vulnerable Netlogon secure channel connection because account is allowed in group policy"

Event 5831

ArcSight Field	Vendor Field
Destination Nt Domain	%3
Device Custom String 1	%1
Device Custom String 1 Label	"Account Type"
Event Outcome	"Allowed"
Source Address	%4
Source Nt Domain	%2
Name	"Netlogon service allowed a vulnerable Netlogon secure channel connection because trust account is allowed in group policy"

Mappings for Network Policy Server

This section has the following information:

Mappings for Windows 2016, 2012, and 8

General

ArcSight ESM Field	Device-Specific Field
Device Vendor	'Microsoft'
Device Product	'NPS'

Event 13

ArcSight ESM Field	Device-Specific Field
Name	'A RADIUS message was received'
Message	Both ('A RADIUS message was received from the invalid RADIUS client IP address',%1)
Source Address	%1 (client IP address)

Event 25

ArcSight ESM Field	Device-Specific Field
Name	'The address of remote RADIUS server in remote RADIUS server group resolves to local address will be ignored'
Message	Both ('The address of remote RADIUS server ',%1,' in remote RADIUS server group ',%2,' resolves to local address ',%3,'. The address will be ignored.')
Source Address	%3 (address)
Additional data	%2 (ServerGroup)
Destination Address	%1 (address)

Event 4400

ArcSight ESM Field	Device-Specific Field
Name	'A LDAP connection with domain controller for domain is established’
Message	Both (‘A LDAP connection with domain controller ‘,%1,’ for domain ‘,%2,’ is established’)
Destination Host Name	%1 (host name)
Destination NT Domain	%2 (domain name)

Event 4402

ArcSight ESM Field	Device-Specific Field
Name	'No Domain controller available for domain'
Message	Both (‘There is no domain controller available for domain ‘,%1)
Destination NT Domain	%1 (domain name)

Event 4405

ArcSight ESM Field	Device-Specific Field
Name	'NPS cannot log accounting information in the primary data store'
Message	Both (‘NPS cannot log accounting information in the primary data store (‘,%1,’). Due to this logging failure, NPS will discard all connection requests. Error information: ‘,%2)’
Destination NT Domain	%1 (domain name)
Reason	%2 (reason code)

Mappings for Windows 2008 R2

General

ArcSight ESM Field	Device-Specific Field
Device Vendor	‘Microsoft’
Device Product	‘NPS’

Event 13

ArcSight ESM Field	Device-Specific Field
Name	‘A RADIUS message was received’
Source Address	%1 (client IP address)
Message	Both (‘A RADIUS message was received from the invalid RADIUS client IP address ‘,’%1)

Event 4400

ArcSight ESM Field	Device-Specific Field
Name	'A LDAP connection with domain controller for domain is established’
Destination Host Name	%1 (host name)
Destination NT Domain	%2 (domain name)
Message	Both (A LDAP connection with domain controller ‘,%1,’ for domain ‘,%2,’ is established)

Event 4402

ArcSight ESM Field	Device-Specific Field
Name	'No Domain controller available for domain'
Message	Both (‘There is no domain controller available for domain’ ‘,%1)
Destination NT Domain	%1 (domain name)

Event 4405

ArcSight ESM Field	Device-Specific Field
Name	'NPS cannot log accounting information in the primary data store'
Destination Host Name	%1 (host name)
Reason	%2 (reason code)
Message	Both (‘NPS cannot log accounting information in the primary data store (‘,%1,’). Due to this logging failure, NPS will discard all connection requests. Error information: ‘,%2’)

Mappings for Remote Access Events

This section has the following sections:

Mappings for Windows 2022, 2016, 2012, and 2012 R2

General

ArcSight Field	Vendor Field
Device Product	'Microsoft Windows'
Device Vendor	'Microsoft'

Event 600

ArcSight Field	Vendor Field
Name	An operation is pending.

608

ArcSight Field	Vendor Field
Name	A device was specified that does not exist.

Event 635

ArcSight Field	Vendor Field
Name	There was an unknown error.

Event 653

ArcSight Field	Vendor Field
Name	A macro required by the modem was not found.

Event 654

ArcSight Field	Vendor Field
Name	A command or response refers to an undefined macro.

Event 670

ArcSight Field	Vendor Field
Name	The system was unable to read the section name.

Event 671

ArcSight Field	Vendor Field
Name	The system was unable to read the device type.

Event 672

ArcSight Field	Vendor Field
Name	The system was unable to read the device name.Event

Event 700

ArcSight Field	Vendor Field
Name	The expanded command is too long.

Event 827

ArcSight Field	Vendor Field
Name	The VPN connection cannot be completed because service is not running.

Event 848

ArcSight Field	Vendor Field
Name	VPN connection attempt failed due to internal error.

Event 20019

ArcSight Field	Vendor Field
Name	Remote Access Server Security Failure.

Event 20084

ArcSight Field	Vendor Field
Name	Remote Access Server will stop using IP Address.
Source Address	%1

Event 20085

ArcSight Field	Vendor Field
Name	Remote Access Server was unable to renew the lease for IP Address.
Source Address	%1

Event 20088

ArcSight Field	Vendor Field
Destination Address	%1 (Assigned Address)
Message	Both (‘The Remote Access Server acquired IP Address ‘,%1,’ to be used on the Server Adapter.’)
Name	‘Remote Access Server acquired IP Address’

Event 20106

ArcSight Field	Vendor Field
Application Protocol	One of (%2, %3)
Device Custom String 5	Routing Domain ID
Device Outbound Interface	One of (%1, %2)
Message	One of (‘Unable to add the interface ‘,%1,’ with the Router Manager for the ‘,%2,’ protocol. The following error occurred: ‘,%3), (‘Unable to add the interface ‘,%2,’ with the Router Mnager for the ‘,%3,’ protocol. The following error occurred: ‘,%4))
Name	‘Unable to add interface’

Event 20169

ArcSight Field	Vendor Field
Message	Both (‘The Automatic Private IP Address ‘,%1,’ will be assigned to dial-in clients. Clients may be unable to access resources on the network.’)
Name	‘Unable to contact a DHCP server’
Source Address	%2 (Address)

Event 20184

ArcSight Field	Vendor Field
Device Custom String 5	Routing Domain ID
Device Inbound Interface	One of (%1, %2)
Message	Both ("Interface ",One of(%1,%2)," is unreachable because it is not currently connected to the network.")
Name	‘Interface is unreachable’

Event 20249

ArcSight Field	Vendor Field
Application Protocol	%3 (Protocol)
Device Custom String 4	Correlation-ID
Message	Both (‘The user ‘,%2,’ has connected and failed to authenticate on port ‘,%3,’. The line has been disconnected.’)
Name	‘Failed to authenticate’
Source NT Domain	%2 (Domain of Connected User)
Source Port	%3 (Port)
Source User Name	%2 (Connected User)

Event 20252

ArcSight Field	Vendor Field
Application Protocol	%2 (Protocol)
Device Custom String 4	Correlation-ID

ArcSight Field	Vendor Field
Message	Both (‘The user connected to port ‘,%2,’ has been disconnected because the authentication process did not complete within the required amount of time.’)
Name	‘Authentication process did not complete’
Source Port	%2 (Port)

Event 20255

ArcSight Field	Vendor Field
Application Protocol	%2 (Protocol)
Device Custom String 4	Correlation-ID
Message	%4 (Message Text)
Name	‘Connection was prevented’
Source NT Domain	%3 (Domain of Connected User)
Source Port	%2 (Port)
Source User Name	%3 (Connected User)

Event 20258

ArcSight Field	Vendor Field
Application Protocol	%4 (Protocol)
Device Custom String 4	Correlation-ID
Message	Both (‘The account for user ‘,%3,’ connected on port ‘,%4,’ does not have Remote Access privilege. The line has been disconnected.’)
Name	‘Account does not have Remote Access privilege’
Source NT Domain	%3 (Domain of Connected User)
Source Port	%4 (Port)
Source User Name	%3 (Connected User)

Event 20266

ArcSight Field	Vendor Field
Application Protocol	One of (%3, %4)
Device Custom String 4	Correlation-ID

ArcSight Field	Vendor Field
Device Custom String 5	Routing Domain ID
Message	Both (‘The user ‘,One of (%2, %3),’ has connected and has been successfully authenticated on port ‘,One of (%3, %4),’. Data sent and received over this link is strongly encrypted.’)
Name	‘Successfully authenticated’
Source NT Domain	One of (%2, %3)
Source Port	One of (%3, %4)
Source User Name	One of (%2, %3)

20271

ArcSight Field	Vendor Field
Device Custom String 4	Correlation-ID
Message	Both (‘The user ‘,%2,’ connected from ‘,%3,’ but failed an authentication attempt due to the following reason: ‘,%4’)
Name	‘Failed an authentication attempt’
Reason	%5 (Reason)
Source Address	%3 (Address)
Source NT Domain	%2 (Domain of Connected User)
Source User Name	%2 (Connected User)

Event 20272

ArcSight Field	Vendor Field
Additional data	One of (%14, %15)
Additional data	One of (%12, %13)
Additional data	One of (%13, %14)
Application Protocol	One of (%3, %4)
Bytes In	One of (%11, %12)
Bytes Out	One of (%10, %11)
Device Custom Number 1	User active minutes
Device Custom Number 2	User active seconds

ArcSight Field	Vendor Field
Device Custom String 4	Correlation-ID
Device Custom String 5	Routing Domain ID
End Time	Both (One of(%6,%7)," ",One of(7,%8))
Message	Both (The user ‘,One of (%2, %3),’ connected on port ‘,One of (%3, %4),’ on ‘,One of (%4, %5),’ at ‘,One of (%5, %6),’ and disconnected on ‘,One of (%6, %7),’ at ‘,One of (%7, %8),’. The user was active for ‘,One of (%8, %9),’ minutes ‘, One of (%9, %10),’ seconds. ‘, One of (%10, %11),’ bytes were received. The reason for disconnecting was ‘, One of (%12, %13),’. The tunnel used was ‘, One of (%13, %14),’. The quarantine state was ‘, One of (%14, %15),’.’)
Name	‘User connected and disconnected’
Source NT Domain	One of (%2, %3)
Source Port	One of (%3, %4)
Source User Name	One of (%2, %3)
Start Time	Both (One of (%4, %5),’ ‘,One of (%5, %6)))

Event 20274

ArcSight Field	Vendor Field
Application Protocol	One of (%3, %4)
Destination Address	One of (%4, %5)
Device Custom String 4	correlation-ID
Device Custom String 5	Routing Domain ID
Message	Both (‘The user ‘,One of (%2, %3),’ connected on port ‘,One of (%3, %4),’ has been assigned address ‘,One of (%4, %5))
Name	‘User connected and has been assigned address’
Source NT Domain	One of (%2, %3)
Source Port	One of %3, %4)
Source User Name	One of (%2, %3)

Event 20275

ArcSight Field	Vendor Field
Device Custom String 4	Correlation-ID
Device Custom String 5	Routing Domain ID
Message	Both ('The user with ip address ',One of (%2, %3),' has disconnected')
Name	'User disconnected'
Source Address	One of (%2, %3)

Windows 2008 R2

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'

Event 20088

ArcSight Field	Vendor Field
Name	Remote Access Server acquired IP Address
Destination Address	%1 (Assigned Address)
Message	Both ('The Remote Access Server acquired IP Address ',%1,' to be used on the Server Adapter.')

Event 20106

ArcSight Field	Vendor Field
Name	Unable to add interface
Device Outbound Interface	%1 (Interface)
Application Protocol	%2 (Protocol)
Message	%3 (Message Text)

Event 20184

ArcSight Field	Vendor Field
Name	Interface is unreachable
Device Inbound Interface	%1 (Interface)
Message	Both ('Interface ',%1,' is unreachable because it is not currently connected to the network.')

Event 20249

ArcSight Field	Vendor Field
Name	Failed to authenticate
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Message	Both ('The user ',%2,' has connected and failed to authenticate on port ',%3,'. The line has been disconnected.')

Event 20252

ArcSight Field	Vendor Field
Name	Authentication process did not complete
Device Custom String 4	Correlation-ID
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	Both ('The user connected to port ',%2,' has been disconnected because the authentication process did not complete within the required amount of time.')

Event 20255

ArcSight Field	Vendor Field
Name	Connection was prevented
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	%4 (Message Text)

Event 20258

ArcSight Field	Vendor Field
Name	Account does not have Remote Access privilege
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The account for user ',%3,' connected on port ',%4,' does not have Remote Access privilege. The line has been disconnected.')

Event 20266

ArcSight Field	Vendor Field
Name	Successfully authenticated
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)

ArcSight Field	Vendor Field
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The user ',One of (%2,%3),' has connected and has been successfully authenticated on port ',One of (%3,%4),'. Data sent and received over this link is strongly encrypted.')

Event 20271

ArcSight Field	Vendor Field
Name	Failed an authentication attempt
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Source Address	%3 (Address)
Reason	%5 (Reason)
Message	%4 (Message Text)

Event 20272

ArcSight Field	Vendor Field
Name	User connected and disconnected
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Start Time	Both (%4, %5)
End Time	Both (%5, %6)
Device Custom Number 1	User active minutes
Device Custom Number 2	User active seconds
Bytes Out	%10 (Bytes Out)
Bytes In	%10 (Bytes In)

ArcSight Field	Vendor Field
Additional data	%12
Additional data	%13
Additional data	%14
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ on ‘,%4,’ at ‘,%5,’ and disconnected on ‘,%6,’ at ‘,%7,’. The user was active for ‘,%8,’ minutes, ‘,%9,’ seconds, ‘,%10,’ bytes were sent and ‘,%11,’ bytes were received. The reason for disconnecting was ‘,%12,. The tunnel used was ‘,%13,’. The quarantine state was ‘,%14,’.’)

Event 20274

ArcSight Field	Vendor Field
Name	User connected and has been assigned address
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Destination Address	%4 (Assigned Address)
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ has been assigned address ‘,%4’)

Event 20275

ArcSight Field	Vendor Field
Name	User disconnected
Device Custom String 4	Correlation-ID
Source Address	%2 (Address)
Message	Both (‘The user with ip address ‘,%2,’ has disconnected’)

Windows 2016, 2012, 8, and 10

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'
Device Custom String 4	Reason or Error Code

Event 7000

ArcSight Field	Vendor Field
Name	'Service failed to start'
Message	'The 'param1' service failed to start due to error: 'param2''
Destination Service Name	param1
Device Custom String 4	param2 (Reason or Error Code)
Reason	param2

Event 7001

ArcSight Field	Vendor Field
Name	'A service depends on other service which failed to start'
Message	'The 'param1' service depends on the 'param2' service which failed to start because of error: 'param3''
Destination Service Name	param1
Source Service Name	param2
Device Custom String 4	param3 (Reason or Error Code)
Reason	param3

Event 7002

ArcSight Field	Vendor Field
Name	'The 'param1' service depends on the 'param2' group and no member of this group started'
Destination Service Name	param1

Event 7003

ArcSight Field	Vendor Field
Name	'A service depends on a nonexistent service'
Message	'The 'param1' service depends on a nonexistent service 'param2''
Destination Service Name	param1
Source Service Name	param2

Event 7005

ArcSight Field	Vendor Field
Name	'The 'param1' call failed with error 'param2'
Device Custom String 4	Param2 (Reason or Error Code)

Event 7006

ArcSight Field	Vendor Field
Name	'The 'param1' call failed for 'param2' with the following error 'param3''
Device Action	param2 (action)
Device Custom String 4	Param3 (Reason or Error Code)

Event 7007

ArcSight Field	Vendor Field
Name	'The system reverted to its last known good configuration'
Message	'The system is restarting'

Event 7008

ArcSight Field	Vendor Field
Name	'No backslash is in the account name'

Event 7009

ArcSight Field	Vendor Field
Name	'Timeout waiting for the service to connect'
Message	'Timeout 'param1' waiting for the 'param2' service to connect'
Destination Service Name	param2

Event 7010

ArcSight Field	Vendor Field
Name	'Timeout waiting for ReadFile'

Event 7011

ArcSight Field	Vendor Field
Name	'Timeout waiting for a transaction response from the 'param2' service'
Destination Service Name	param2

Event 7012

ArcSight Field	Vendor Field
Name	'Message returned in transaction has incorrect size'

Event 7015

ArcSight Field	Vendor Field
Name	'Boot-start or system-start driver 'param1' must not depend on a service'

Event 7016

ArcSight Field	Vendor Field
Name	'The 'param1' service has reported an invalid current state'
Destination Service Name	param1

Event 7017

ArcSight Field	Vendor Field
Name	'Detected circular dependencies demand starting 'param1''
Destination Service Name	param1

Event 7018

ArcSight Field	Vendor Field
Name	'Detected circular dependencies auto-starting services'

Event 7019

ArcSight Field	Vendor Field
Name	'Circular dependency: The 'param1' service depends on a service in a group which starts later.'
Destination Service Name	param1

Event 7020

ArcSight Field	Vendor Field
Name	'Circular dependency: The 'param1' service depends on a group which starts later'
Destination Service Name	param1

Event 7021

ArcSight Field	Vendor Field
Name	'About to revert to the last known good configuration because the 'param1' service failed to start'
Destination Service Name	param1

Event 7022

ArcSight Field	Vendor Field
Name	'The 'param1' service hung on starting'
Destination Service Name	param1

Event 7023

ArcSight Field	Vendor Field
Name	'A service terminated with error.'
Message	The 'param1' service terminated with the following error 'param2''
Destination Service Name	param1
Reason	param2
Device Custom String 4	param2 (Reason or Error Code)

Event 7024

ArcSight Field	Vendor Field
Name	'The 'param1' service terminated with the following service-specific error'
Destination Service Name	param1
Device Custom String 4	param2 (Reason or Error Code)

Event 7025

ArcSight Field	Vendor Field
Name	'At least one service or driver failed during system startup'
Message	'Use Event Viewer to examine the event log for details'

Event 7026

ArcSight Field	Vendor Field
Name	'The boot-start or system-start driver(s) did not load'
Message	'The following boot-start or system-start driver(s) did not load: 'param1''
Device Process Name	param1

Event 7027

ArcSight Field	Vendor Field
Name	'Windows could not be started as configured'
Message	'A previous working configuration was used instead'

Event 7028

ArcSight Field	Vendor Field
Name	'The 'param1' Registry key denied access to SYSTEM account programs'
Message	'The Service Control Manager took ownership of the Registry key'
File Name	param1

Event 7030

ArcSight Field	Vendor Field
Name	'The 'param1' service is marked as an interactive service'
Destination Service Name	param1
Message	'The system is configured to not allow interactive services. This service may not function properly.'

Event 7031

ArcSight Field	Vendor Field
Name	Both ('The ',param1,' service terminated unexpectedly')
Destination Service Name	param1 (service name)

ArcSight Field	Vendor Field
Message	Both (‘The ‘,param1,’ service terminated unexpectedly. It has done this ‘,param2,’ time(s). The following corrective action will be taken in ‘,param3,’ milliseconds: ‘,param5)
Device Action	param5 (action)

Event 7032

ArcSight Field	Vendor Field
Name	‘The Service Control Manager tried to take a corrective action ‘param1’ after the unexpected termination of the ‘param2’ service’
Device Action	param1
Message	‘This action failed with error’
Destination Service Name	param2
Device Custom String 4	param3 (Reason or Error Code)

Event 7033

ArcSight Field	Vendor Field
Name	‘The Service Control Manager did not initialize successfully’
Message	‘The security configuration server (scesrv.dll) failed to initialize with error ‘param1’. The system is restarting.’
Device Custom String 4	param1 (Reason or Error Code)

Event 7034

ArcSight Field	Vendor Field
Name	‘A service terminated unexpectedly’
Message	‘It has done this ‘param2’ times’
Destination Service Name	param1
Device Custom Number 3	param2 (Count)

Event 7035

ArcSight Field	Vendor Field
Name	'The 'param1' service was successfully sent a 'param2' control'
Destination Service Name	param2

Event 7036

ArcSight Field	Vendor Field
Name	'Service entered the 'param2" state'
Message	The 'param1' service entered the 'param2' state.'
Destination Service Name	param1
Device Action	param2

Event 7037

ArcSight Field	Vendor Field
Name	'The Service Control Manager encountered an error undoing a configuration change to the 'param1' service'
Message	'The service's 'param2' is currently in an unpredictable state. If you do not correct this configuration, you may not be able to restart the 'param1' service or may encounter other errors. To ensure that the service is configured properly, use the Services snap-in in Microsoft Management Console (MMC)'
Destination Service Name	param1

Event 7038

ArcSight Field	Vendor Field
Name	'A service was unable to log on with the currently configured password'
Message	'The 'param1' service was unable to log on as 'param2' with the currently configured password due to the following error: 'param3'. To ensure that the service is configured properly, use the Services snap-in in Microsoft Management Console (MMC)'
Destination Service Name	param1

ArcSight Field	Vendor Field
Destination User Name	param2
Device Custom String 4	param3 (Reason or Error Code)
Reason	param3

Event 7039

ArcSight Field	Vendor Field
Name	'A service process other than the one launched by the Service Control Manager connected when starting the 'param1' service'
Destination Service Name	param1
Message	'The Service Control Manager launched process 'param2' and process 'param3' connected instead. Note that if this service is configured to start under a debugger, this behavior is expected.'

Event 7040

ArcSight Field	Vendor Field
Name	'Start type of 'param1' service was changed from 'param2' to 'param3''
Message	'Start type of 'param1' service was changed from 'param2' to 'param3''
Destination Service Name	param1
Device Action	param3

Event 7041

ArcSight Field	Vendor Field
Name	'A service was unable to log on with the currently configured password.'
Destination Service Name	param1
Destination User Name	param2
Device Custom String 4	'Logon failure: the user has not been granted the requested logon type at this computer'
Message	'The 'param1' service was unable to log on as 'param2' with the currently configured password due to error. This service account does not have the necessary user right \'Log on as a service\''
Reason	'Logon failure: the user has not been granted the requested logon type at this computer'

Event 7042

ArcSight Field	Vendor Field
Name	‘A service was successfully sent a control’
Destination Service Name	param1 (service name)
Device Custom String 4	Reason or Error Code
Message	‘The ‘param1’ service was successfully sent a ‘param2’ control. The reason specified was ‘param3’ [‘param4’’] Comment: ‘param5’’
Reason	Both (‘param3,’ ‘param4’)

Event 7043

ArcSight Field	Vendor Field
Name	‘The ‘param1’ service did not shutdown properly after receiving a preshutdown control’
Destination Service Name	param1

Event 7045

ArcSight Field	Vendor Field
Name	‘A service was installed in the system’
Destination Service Name	ServiceName
File Path	ImagePath
Device Custom String 5	StartType
Device Custom String 6	AccountName

Microsoft SQL Server Audit Application Event Log Mappings

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'SQL Server'
Destination User Name	""

Event 615

ArcSight Field	Vendor Field
Name	'Could not find database'
Message	'Could not find database ID ',%1,', name ',%2,'

Event 849

ArcSight Field	Vendor Field
Name	'Using locked pages for buffer pool'
Message	'Using locked pages for buffer pool'

Event 852

ArcSight Field	Vendor Field
Name	'Using conventional memory in the memory manager'
Message	'Using conventional memory in the memory manager'

Event 919

ArcSight Field	Vendor Field
Name	'User is changing database script level'
Message	'User ',%1,' is changing database script level entry ',%2,' to a value of ',%3

ArcSight Field	Vendor Field
Source User Name	%1
Device Custom Number 1	%2 (Level entry)
Device Custom Number 2	%3 (Changed value)

Event 958

ArcSight Field	Vendor Field
Name	'The resource database build version'
Message	'The resource database build version is ',%1
Device Custom String 4	%1 (Database build version)

Event 1486

ArcSight Field	Vendor Field
Name	'Database Mirroring Transport is disabled in the endpoint configuration'
Message	'Database Mirroring Transport is disabled in the endpoint configuration'

Event 1814

ArcSight Field	Vendor Field
Name	'Could not create tempdb'
Message	'Could not create tempdb. You may not have enough disk space available.'

Event 1945

ArcSight Field	Vendor Field
Name	'Warning! The maximum key length'
Message	One of ('Warning! The maximum key length for a ",%1," index is ",%2," bytes. The index ",%3," has maximum length of ",%4," bytes. For some combination of large values, the insert/update operation will fail."), ('Warning! The maximum key length is ",%1," bytes. The index '",%2,"' has maximum length of ",%3," bytes. For some combination of large values, the insert/update operation will fail.')
Device Custom String 1	Both (One of (%2, %1), 'bytes') (Maximum key length)

ArcSight Field	Vendor Field
Device Custom String 2	One of (%3,%2) (Index)
Device Custom String 3	Both (One of (%4, %3), 'bytes') (Maximum index)
Device Custom String 4	%1 (Index Type)

Event 2007

ArcSight Field	Vendor Field
Name	'The module depends on the missing object'
Message	'The module ',%1,' depends on the missing object ',%2,'. The module will still be created; however, it cannot run successfully until the object exists.'
Device Custom String 1	%1 (Module)
Device Custom String 2	%2 (Missing object)

Event 2812

ArcSight Field	Vendor Field
Name	'Could not find stored procedure'
Message	'Could not find stored procedure ',%1
Device Custom String 2	%1 (Stored procedure)

Event 3014

ArcSight Field	Vendor Field
Name	%1 successfully processed
Message	%1 successfully processed %2 pages in %3.%4 seconds
Device Custom Number 1	%2 (Pages processed)
Device Custom String 6	%3.%4 (Processing Time)

Event 3402

ArcSight Field	Vendor Field
Name	%1 successfully processed
Message	%1 successfully processed %2 pages in %3.%4 seconds

ArcSight Field	Vendor Field
Device Custom Number 1	%2 (Pages processed)
Device Custom String 6	%3.%4 (Processing Time)

Event 3406

ArcSight Field	Vendor Field
Name	'Transactions rolled forward in database'
Message	%1' transactions rolled forward in database ',%2, '(',%3,')'
Device Custom Number 2	%1 (Transactions quantity)
Device Custom String 1	%2 (Database name)
Device Custom Number 1	%3 (Database ID)

Event 3407

ArcSight Field	Vendor Field
Name	'Transactions rolled back in database'
Message	%1,' transactions rolled back in database ',%2,' (',%3,') '
Device Custom Number 2	%1 (Transactions quantity)
Device Custom String 1	%2 (Database name)
Device Custom Number 1	%3 (Database ID)

Event 3408

ArcSight Field	Vendor Field
Name	'Recovery is complete'
Message	'Recovery is complete. This is an informational message only. No user action is required.'

Event 3412

ArcSight Field	Vendor Field
Name	The server instance was started using minimal configuration startup option (-f)
Message	Warning: The server instance was started using minimal configuration startup option (-f). Starting an instance of SQL Server with minimal configuration places the server in single-user mode automatically. After the server has been started with minimal configuration, you should change the appropriate server option value or values, stop, and then restart the server.

Event 3421

ArcSight Field	Vendor Field
Name	'Recovery completed for database'
Message	'Recovery completed for database ',%1,' (database ID ',%2',) in ',%3,' second(s) (analysis ',%4,' ms, redo ',%5,' ms, undo ',%6,' ms.)'
Device Custom String 1	%1 (Database name)
Device Custom String 2	%4 ms (Analysis time)
Device Custom String 3	%5 ms (Redo time)
Device Custom String 4	%6 ms (Undo time)
Device Custom String 5	%3 s (Completed recovery time)
Device Custom String 6	%2 (Database ID)

Event 3454

ArcSight Field	Vendor Field
Name	'Recovery is writing a checkpoint in database.'
Message	'Recovery is writing a checkpoint in database ',%1,' (',%2,') '
Device Custom String 1	%1 (Database name)
Device Custom Number 1	%2 (Database ID)

Event 4356

ArcSight Field	Vendor Field
Name	Restore is complete on database
Message	Restore is complete on database '%1'. The database is now available.
Device Custom String 1	%1 (Database name)

Event 5084

ArcSight Field	Vendor Field
Name	'Setting database option'
Message	'Setting database option ',%1,' to ',%2,' for database ',%3,' '
Device Custom String 1	%3 (Database name)
Device Custom String 2	%1 (Old option)
Device Custom String 3	%2 (New option)

Event 5579

ArcSight Field	Vendor Field
Name	'File system access'
Message	'#FILESTREAM: effective level =',%1,', configured level = ',%2,', file system access share name = ',%3,' '

Event 5701

ArcSight Field	Vendor Field
Name	'Changed database context'
Message	'Changed database context to ',%1
Device Custom String 1	%1 (Database name)
Device Action	'Changed'

Event 5703

ArcSight Field	Vendor Field
Name	'Changed language setting'
Message	'Changed language setting to ',%1
Device Custom String 1	%1 (Language setting)
Device Action	'Changed'

Event 6253

ArcSight Field	Vendor Field
Name	'Common language runtime (CLR) functionality initialized using CLR'
Message	'Common language runtime (CLR) functionality initialized using CLR version ',%1,' from ',%2
File Path	%2
Device Custom String 4	%1 (File version)

Event 6527

ArcSight Field	Vendor Field
Name	'.NET Framework runtime has been stopped'
Message	'.NET Framework runtime has been stopped'

Event 8128

ArcSight Field	Vendor Field
Name	'Execute extended stored procedure.'
Message	'Using ',%1,' version ',%2,' to execute extended stored procedure ',%3,'. This is an informational message only; no user action is required.'
File Name	%1
Device Custom String 3	%2 (File version)
Device Custom String 4	%3 (Extended stored procedure)

Event 9013

ArcSight Field	Vendor Field
Name	'Tail of the log for database is being rewritten'
Message	'Tail of the log for database ',%1,' is being rewritten to match the new sector size of ',%2,' bytes. ',%3,' bytes at offset ',%4,' in file ',%5,' will be written'

Event 9666

ArcSight Field	Vendor Field
Name	'Service endpoint is in disabled or stopped state'
Message	'The ',%1,' endpoint is in disabled or stopped state'
Destination Service Name	%1

Event 9688

ArcSight Field	Vendor Field
Name	'Service Broker manager has started'
Message	'Service Broker manager has started'

Event 9689

ArcSight Field	Vendor Field
Name	'Service Broker manager has shut down'
Message	'Service Broker manager has shut down'

Event 10981

ArcSight Field	Vendor Field
Name	'Resource governor reconfiguration succeeded'
Message	'Resource governor reconfiguration succeeded'

Event 12288

ArcSight Field	Vendor Field
Name	'Package started'
File Name	%1

Event 12291

ArcSight Field	Vendor Field
Name	'Package failed
File Name	%1

Event 15268

ArcSight Field	Vendor Field
Name	'Authentication mode'
Message	'Authentication mode is ',%1
Device Custom String 3	%1 (Authentication mode)

Event 15457

ArcSight Field	Vendor Field
Name	'Configuration option changed'
Message	'Configuration option ',%1,' changed from ',%2,' to ',%3,'. Run the RECONFIGURE statement to install'
Device Custom String 3	%1 (Configuration option)
Device Custom Number 1	%2 (Old value)
Device Custom Number 2	%3 (New value)

Event 15477

ArcSight Field	Vendor Field
Name	'Caution: Changing any part of an object name could break scripts and stored procedures'
Message	'Caution: Changing any part of an object name could break scripts and stored procedures'

Event 17069

ArcSight Field	Vendor Field
Name	'Microsoft SQL Server 2012 (SP1)'
Message	%1

Event 17101

ArcSight Field	Vendor Field
Name	'Microsoft Corporation'
Message	'Microsoft Corporation'

Event 17103

ArcSight Field	Vendor Field
Name	'All rights reserved'
Message	'All rights reserved'

Event 17104

ArcSight Field	Vendor Field
Name	'Server process ID"
Message	'Server process ID is ',%1
Destination Process ID	%1

Event 17107

ArcSight Field	Vendor Field
Name	'Perfmon counters for resource governor pools and groups failed to initialize and are disabled'
Message	'Perfmon counters for resource governor pools and groups failed to initialize and are disabled'

Event 17108

ArcSight Field	Vendor Field
Name	'Password policy update was successful'
Message	'Password policy update was successful'
Device Action	'Update'

Event 17110

ArcSight Field	Vendor Field
Name	'Registry startup parameters'
Message	'Registry startup parameters ',%1
Device Custom String 1	%1 (Parameters)

Event 17111

ArcSight Field	Vendor Field
Name	'Logging SQL Server messages'
Message	'Logging SQL Server messages in file ',%1
File Name	%1

Event 17115

ArcSight Field	Vendor Field
Name	'Command Line Startup'
Message	'Command Line Startup Parameters: ',%1

ArcSight Field	Vendor Field
Device Action	'Startup'
Device Custom String 1	%1 (Parameters)

Event 17125

ArcSight Field	Vendor Field
Name	'Using dynamic lock allocation'
Message	'Using dynamic lock allocation. Initial allocation of ',%1,' Lock blocks and ',%2,' Lock Owner blocks per node'
Device Custom Number 1	%1 (Lock blocks)
Device Custom Number 2	%2 (Lock owner blocks)

Event 17126

ArcSight Field	Vendor Field
Name	'SQL Server is now ready for client connections'
Message	'SQL Server is now ready for client connections'

Event 17136

ArcSight Field	Vendor Field
Name	'Clearing tempdb database'
Message	'Clearing tempdb database'

Event 17137

ArcSight Field	Vendor Field
Name	'Starting up database'
Message	'Starting up database ',%1
Device Custom String 1	%1 (Database name)

Event 17147

ArcSight Field	Vendor Field
Name	'SQL Server is terminating because of a system shutdown'
Message	'SQL Server is terminating because of a system shutdown. This is an informational message only. No user action is required.'

Event 17148

ArcSight Field	Vendor Field
Name	'SQL Server is terminating'
Message	'SQL Server is terminating in response to a 'stop' request from Service Control Manager'

Event 17152

ArcSight Field	Vendor Field
Name	'Node configuration'
Message	'Node configuration: node ',%1,': CPU mask: ',%2,' : '%3,' Active CPU mask: ',%4,': ',%5,'. This message provides a description of the NUMA configuration for this computer. This is an informational message only. No user action is required.'
Device Custom String 2	%1 (Node)
Device Custom String 3	%2 (CPU mask)
Device Custom String 4	%4 (Active CPU mask)
Device Custom String 5	%3 (Flag CPU mask)
Device Custom String 6	%5 (Flag Active CPU mask)

Event 17162

ArcSight Field	Vendor Field
Name	'SQL Server is starting'
Message	'SQL Server is starting at normal priority base (=7)'

Event 17164

ArcSight Field	Vendor Field
Name	'SQL Server detected sockets'
Message	'SQL Server detected ',%1,' sockets with ',%2,' cores per socket and ',%3,' logical processors per socket, ',%4,' total logical processors; using ',%5,' logical processors based on SQL Server licensing. This is an informational message; no user action is required.'
Device Custom Number 1	%1 (Detected sockets)
Device Custom Number 2	%2 (Cores per socket)
Device Custom Number 3	%3 (Processors per socket)
Device Custom String 3	%4 (Total processors)
Device Custom String 4	%5 (Using processors)

Event 17176

ArcSight Field	Vendor Field
Name	'This instance of SQL Server last reported using a process ID'
Message	'This instance of SQL Server last reported using a process ID of ',%1,' at ',%2,' (local) ',%3,' (UTC). This is an informational message only; no user action is required.'
Destination Process ID	%1
Device Custom Date 1	%2, 'MM/dd/yyyy hh:mm:ss aa' (Last Report Time (local)
Device Custom Date 2	%3 'MM/dd/yyyy hh:mm:ss aa' (Last Report Time (UTC))

Event 17177

ArcSight Field	Vendor Field
Name	'This instance of SQL Server has been using a process ID"
Message	'This instance of SQL Server has been using a process ID of ',%1,' since ',%2,' (local) ',%3,' (UTC). '

Event 17199

ArcSight Field	Vendor Field
Name	'Restart SQL Server using the trace flag'
Message	'Dedicated administrator connection support was not started because it is disabled on this edition of SQL Server. If you want to use a dedicated administrator connection, restart SQL Server using the trace flag ',%1,'. This is an informational message only. No user action is required.'
Device Custom Number 1	%1 (Trace flag)

Event 17201

ArcSight Field	Vendor Field
Name	'Dedicated admin connection support was established'
Message	'Dedicated admin connection support was established for listening locally on port ',%1
Destination Port	%1

Event 17311

ArcSight Field	Vendor Field
Name	SQL Server is terminating because of fatal exception
Message	SQL Server is terminating because of fatal exception %1. This error may be caused by an unhandled Win32 or C++ exception, or by an access violation encountered during exception handling. Check the SQL error log for any related stack dumps or messages. This exception forces SQL Server to shutdown. To recover from this error, restart the server (unless SQLAgent is configured to auto restart).
Device Custom String 6	%1 (Exception)
Reason	This error may be caused by an unhandled Win32 or C++ exception, or by an access violation encountered during exception handling.

Event 17144

ArcSight Field	Vendor Field
Name	SQL Server is not allowing new connections
Message	SQL Server is not allowing new connections because the Service Control Manager requested a pause. To resume the service, use SQL Computer Manager or the Services application in Control Panel.
Destination Port	The Service Control Manager requested a pause.

Event 17106

ArcSight Field	Vendor Field
Name	Common Criteria compliance mode is enabled
Message	Common Criteria compliance mode is enabled. This is an informational message only. no user action is required.

Event 17150

ArcSight Field	Vendor Field
Name	Lock partitioning is enabled
Message	Lock partitioning is enabled. This is an informational message only. No user action is required.

Event 17142

ArcSight Field	Vendor Field
Name	SQL Server service has been paused
Message	SQL Server service has been paused. No new connections will be allowed. To resume the service, use SQL Computer Manager or the Services application in Control Panel.

Event 17167

ArcSight Field	Vendor Field
Name	Support for distributed transactions was not enabled for this instance of the Database Engine
Message	Support for distributed transactions was not enabled for this instance of the Database Engine because it was started using the minimal configuration option. This is an informational message only. No user action is required.
Reason	It was started using the minimal configuration option.

Event 17836

ArcSight Field	Vendor Field
Name	Length specified in network packet payload did not match number of bytes read.
Message	Length specified in network packet payload did not match number of bytes read; the connection has been closed. Please contact the vendor of the client library. %1
Source Address	%1

Event 17806

ArcSight Field	Vendor Field
Name	SSPI handshake failed
Message	SSPI handshake failed with error code %1, state %2 while establishing a connection with integrated security; the connection has been closed. Reason: %3 %4 %5
Source Address	%5
Device Custom String 6	%1 (Error code)
Device Custom String 2	%2(State)
Reason	%3

Event 17550

ArcSight Field	Vendor Field
Name	'DBCC TRACEON, server process'
Message	'DBCC TRACEON ',%1,' server process ID (SPID) ',%2,'. This is an informational message only; no user action is required."
Destination Process Name	'DBCC TRACEON' %1
Destination Process ID	%2

Event 17551

ArcSight Field	Vendor Field
Name	'DBCC TRACEOFF, server process'
Message	'DBCC TRACEOFF ',%1,', server process ID (SPID) ',%2,'. This is an informational message only; no user action is required.'
Destination Process Name	'DBCC TRACEON' ,%1
Destination Process ID	%2

Event 17561

ArcSight Field	Vendor Field
Name	'index restored'
Message	'index restored for ' ,%2, '.', %3
Device Custom String 1	%2 (Report server database)
Device Custom String 3	%3 (Object name)

Event 17656

ArcSight Field	Vendor Field
Name	'Warning'
Message	'Warning **********'

Event 17658

ArcSight Field	Vendor Field
Name	‘SQL Server started in single-user mode’
Message	‘SQL Server started in single-user mode. This is an informational message only. No user action is required.’

Event 17663

ArcSight Field	Vendor Field
Name	‘Server name’
Message	‘Server name is ‘,%1
Destination Host Name	%1

Event 17573

ArcSight Field	Vendor Field
Name	DBCC CHECKDB Last Run time without errors
Message	CHECKDB for database '%1' finished without errors on %2 (local time). This is an informational message only; no user action is required.
Device Custom String 1	%1 (Database name)
Device Custom Date 1	%2 (DBCC CHECKDB Last Run time (local time))

Event 17811

ArcSight Field	Vendor Field
Name	‘The maximum number of dedicated administrator connections for this instance’
Message	‘The maximum number of dedicated administrator connections for this instance is '',%1,"'."
Device Custom Number 1	%1 (Maximum administrator connections)

Event 18264

ArcSight Field	Vendor Field
Name	Database backed up
Message	Database backed up. Database: %1, creation date(time): %2(%3), pages dumped: %4, first LSN: %5, last LSN: %6, number of dump devices: %7, device information: %8. This is an informational message only. No user action is required.
Device Custom String 1	%1 (Database name)
Device Custom Date 1	%2 (Creation Date)
Device Custom String 5	%5 (First LSN)
Device Custom String 6	%6 (Last LSN)
Device Custom Number 1	%4 (Pages Dumped)
Device Custom Number 2	%7 (Number of dump devices)
Device Custom String 4	%8 (Device Information)

Event 18265

ArcSight Field	Vendor Field
Name	Log was backed up
Message	Log was backed up. Database: %1, creation date(time): %2(%3), first LSN: %4, last LSN: %5, number of dump devices: %6, device information: %7. This is an informational message only. No user action is required.
Device Custom String 1	%1 (Database name)
Device Custom Date 1	%2 (Creation Date)
Device Custom String 5	%4 (First LSN)
Device Custom String 6	%5 (Last LSN)
Device Custom Number 1	%6 (Number of dump devices)
Device Custom String 4	%7 (Device Information)

Event 18267

ArcSight Field	Vendor Field
Name	Database was restored
Message	Database was restored: Database: %1 creation date(time): %2(%3), first LSN: %4, last LSN: %5, number of dump devices: %6, device information: %7. Informational message. No user action required
Device Custom String 1	%1 (Database name)
Device Custom Date 1	%2 (Creation Date)
Device Custom String 5	%4 (First LSN)
Device Custom String 6	%5 (Last LSN)
Device Custom Number 1	%6 (Number of dump devices)
Device Custom String 4	%7 (Device Information)

Event 18452

ArcSight Field	Vendor Field
Name	Login failed
Message	Login failed. The login is from an untrusted domain and cannot be used with Windows authentication. %1
Source Address	%1
Reason	The login is from an untrusted domain and cannot be used with Windows authentication.

Event 18453

ArcSight Field	Vendor Field
Name	‘Login succeeded’
Message	‘Login succeeded for user. Connection made using Windows authentication’
Destination User Name	%1
Destination NT Domain	%1
Device Custom String 1	%2 (Windows authentication)

Event 18454

ArcSight Field	Vendor Field
Name	'Login succeeded'
Message	'Login succeeded for user. Connection made using SQL Server authentication'
Source User Name	%1
Source Address	%2
Device Custom IPv6 Address 2	%2 (Source IPv6 Address)

Event 18456

ArcSight Field	Vendor Field
Name	'Login failed for user'
Message	'Login failed for user ',%1,'. ',%2' ',%3
Device Custom String 3	%2 (Login failed)
Source User Name	%1
Source Address	%3

Event 18461

ArcSight Field	Vendor Field
Name	'Login failed for user'
Message	Login failed for user %1 Reason: Server is in single user mode. Only one administrator can connect at this time. %2
Destination NT Domain	Domain from %1 will be extracted
Destination User Name	User from %1 will be extracted
Reason	Server is in single user mode. Only one administrator can connect at this time.
Destination Address	%2

Event 18470

ArcSight Field	Vendor Field
Name	'Login failed for user'
Message	Login failed for user %1 Reason: The account is disabled. %2
Source User Name	%1
Reason	The account is disabled
Source Address	%2

Event 18488

ArcSight Field	Vendor Field
Name	'Login failed for user'
Message	'Login failed for user ',%1,'. Reason: The password of the account must be changed. ',%2
Source User Name	%1
Source Address	%2

Event 18496

ArcSight Field	Vendor Field
Name	'System Manufacturer and System Model Information'
Message	'System Manufacturer: ',%1,' System Model: ',%2,' '
Device Custom String 1	%1 (System Manufacturer)
Device Custom String 2	%2 (System Model)

Event 19030

ArcSight Field	Vendor Field
Name	'SQL Trace was started'
Message	'SQL Trace ID ',%1,' was started by login ',%2,' '
Device Custom String 1	%1 (Trace ID)
Source User Name	%2

Event 19031

ArcSight Field	Vendor Field
Name	‘SQL Trace stopped’
Message	‘SQL Trace stopped. Trace ID = ‘,%1,’. Login Name = ‘,%2
Source User Name	%2
Device Custom Number 1	%1 (Trace Id)

Event 19032

ArcSight Field	Vendor Field
Name	‘SQL Trace was stopped due to server shutdown’
Message	‘SQL Trace was stopped due to server shutdown. Trace ID = ‘,%1,’. This is an informational message only; no user action is required.’
Device Custom Number 1	%1 (Trace ID)

Event 19033

ArcSight Field	Vendor Field
Name	Server started with '-f' option
Message	Server started with '-f' option. Auditing will not be started. This is an informational message only; no user action is required.

Event 26018

ArcSight Field	Vendor Field
Name	‘A self-generated certificate was successfully loaded for encryption’
Message	‘A self-generated certificate was successfully loaded for encryption’

Event 26022

ArcSight Field	Vendor Field
Name	‘Server is listening’
Message	‘Server is listening on [‘,%1,’ <’,%2,’> ‘,%3,’]’

ArcSight Field	Vendor Field
Device Custom String 4	%1 (Listening Address)
Application Protocol	%2
Destination Port	%3

Event 26037

ArcSight Field	Vendor Field
Name	'SQL Server Network Interface library could not register the Server Principal Name'
Message	'Error: ',%1,', state: ',%2,'. Failure to register an SPN may cause integrated authentication to fall back to NTLM instead of Kerberos'

Event 26048

ArcSight Field	Vendor Field
Name	'Server local connection provider is ready to accept connection'
Message	'Server local connection provider is ready to accept connection on ['',%1,']'
File Path	%1

Event 26067

ArcSight Field	Vendor Field
Name	'SQL Server Network Interface library could not register the Service Principal Name (SPN)'
Message	'The SQL Server Network Interface library could not register the Service Principal Name (SPN) ',%1,' for the SQL Server service. Windows return code: ',%2,', state: ',%3,'. Failure to register a SPN might cause integrated authentication to use NTLM instead of Kerberos. This is an informational message. Further action is only required if Kerberos authentication is required by authentication policies and if the SPN has not been manually registered.'
Source Service Name	%1
Reason	%2
Device Custom String 1	%3 (State)

Event 26076

ArcSight Field	Vendor Field
Name	'SQL Server is attempting to register a Service Principal Name (SPN)'
Message	'SQL Server is attempting to register a Service Principal Name (SPN) for the SQL Server service. Kerberos authentication will not be possible until a SPN is registered for the SQL Server service. This is an informational message. No user action is required.'

Event 30090

ArcSight Field	Vendor Field
Name	'New instance of full-text filter daemon host process has been successfully started.'
Message	'A new instance of the full-text filter daemon host process has been successfully started.'

Event 33090

ArcSight Field	Vendor Field
Name	'Attempting to load library into memory'
Message	'Attempting to load library ',%1,' into memory. This is an informational message only. No user action is required'
File Name	%1

Event 33204

ArcSight Field	Vendor Field
Name	'SQL Server Audit could not write to the security log'
Message	'SQL Server Audit could not write to the security log'

Event 33205

ArcSight Field	Vendor Field
Source Service Name	EventSource
Device Event Class ID	All of (class_type, '|', action_id)
Device Action	action_id
Event Outcome	succeeded
File ID	object_id
File Type	class_type
File Name	object_name
File Size	sequence_number
File Hash	audit_schema_version
Old File ID	transaction_id
Message	statement
Source User ID	server_principal_id
Source User Name	server_principal_name
Source NT Domain	server_principal_name
Destination User ID	One of (server_principal_id, target_server_principal_id)
Destination NT Domain	One of (target_server_principal_name, server_principal_name)
Destination Host Name	server_instance_name
Device Custom Number 1	session_id
Device Custom Number 2	database_principal_id
Device Custom Number 3	target_database_principal_id
Device Custom String 1	object_name
Device Custom String 2	statement
Device Custom String 3	database_name
Device Custom String 4	Device Custom String 4 = database_principal_name
Device Custom String 5	One of (target_database_principal_name, database_principal_name)
Device Custom String 6	schema_name
Old File Name	All of('Additional Information : ',additional_information)

ArcSight Field	Vendor Field
Source Address	One of(additional_information, device address (In case the address is local machine))
Source Host Name	device host name (In case the address is local machine)
Destination User Name	One Of(target_server_principal_name,server_principal_name)
Device Custom IPv6 Address 2	additional_information

Event 33217

ArcSight Field	Vendor Field
Name	'SQL Server Audit is starting the audits'
Message	'SQL Server Audit is starting the audits. This is an informational message. No user action is required.'

Event 33218

ArcSight Field	Vendor Field
Name	'SQL Server Audit has started the audits'
Message	'SQL Server Audit has started the audits. This is an informational message. No user action is required.'

Event 49903

ArcSight Field	Vendor Field
Name	'Detected RAM'
Message	'Detected ',%1,' of RAM. This is an informational message; no user action is required.'
Device Custom Number 1	%1 (Detected RAM)

Event 49904

ArcSight Field	Vendor Field
Name	'Service account'
Message	'The service account is ',%1,'. This is an informational message; no user action is required.'
Source Service Name	%1

Event 49910

ArcSight Field	Vendor Field
Name	'Software Usage Metrics is disabled'
Message	'Software Usage Metrics is disabled'

Event 49916

ArcSight Field	Vendor Field
Name	'UTC adjustment'
Message	'UTC adjustment.'
Device Custom String 1	All of 1%, :, 2% (UTC Adjustment)

Event 49917

ArcSight Field	Vendor Field
Name	'Default collation'
Message	All of 'Default collation',%1,' (',%2,' ',%3,').'
Device Custom String 1	%2 (Language)
Device Custom String 4	%1 (SQL collation)
Device Custom Number 2	%3 (Language ID)

Microsoft Sysmon

This section has the following sections:

Windows 2012

General

ArcSight Field	Vendor Field
Destination Process Id	ProcessId
Device Product	'Sysmon'

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Version	'Unknown'

Event 1

ArcSight Field	Vendor Field
Destination Process Name	Image
Destination Service Name	CommandLine
Device Action	'Process Create'
Device Custom String 1	IntegrityLevel
Device Custom String 4	CommandLine
Device Custom String 6	LogonGuid
Device Receipt Time	UtcTime
File Hash	Hashes
File Id	ProcessGuid
Message	Description
Name	'Process Created'
Old File Hash	MITRE ID
Old File Id	ParentProcessGuid
Old File Name	OriginalFileName
Old File Path	CurrentDirectory
Source Nt Domain	__extractNTDomain(User)
Source Process Id	ParentProcessId
Source Process Name	ParentImage
Source Service Name	ParentCommandLine
Source User Id	LogonId
Source User Name	__extractNTUser(User)

Event 2

ArcSight Field	Vendor Field
Destination Process Name	Image
Device Action	'File creation time changed'
Device Receipt Time	UtcTime
File Create Time	CreationUtcTime
File Id	ProcessGuid
File Path	TargetFilename
Message	'File creation time changed'
Name	'File creation time changed'
Old File Create Time	PreviousCreationUtcTime
Old File Hash	MITRE ID

Event 3

ArcSight Field	Vendor Field
Destination Address	__oneOfAddress(DestinationIp) (for destination aware)
Device Custom IPv6 Address 2	__stringToIPv6Address(SourceIp) (for non-destination aware)
Device Custom IPv6 Address 3	__stringToIPv6Address(DestinationIp) (for non-destination aware)
Destination Host Name	DestinationHostname
Destination Port	__safeToInteger(DestinationPort)
Destination Process Name	Image
Device Action	__concatenate("Initiated :",Initiated)
Device Receipt Time	UtcTime
File Id	ProcessGuid
Message	'Network connection detected'
Name	'Network connection detected'
Old File Hash	MITRE ID
Source Address	__oneOfAddress(SourceIp) (for destination aware)
Source Host Name	SourceHostname

ArcSight Field	Vendor Field
Source Nt Domain	__extractNTDomain(User)
Source Port	__safeToInteger(SourcePort)
Source Port Name	SourcePortName
Source User Name	__extractNTUser(User)
Transport Protocol	Protocol

Event 4

ArcSight Field	Vendor Field
Additional Data.Schema Version	SchemaVersion
Device Action	State
Device Receipt Time	UtcTime
Message	'Sysmon service state changed'
Name	'Sysmon service state changed'

Event 5

ArcSight Field	Vendor Field
Destination Process Name	Image
Device Action	'Process Terminated'
Device Receipt Time	UtcTime
File Id	ProcessGuid
Message	'Process Terminated'
Name	'Process Terminated'
Old File Hash	MITRE ID

Event 6

ArcSight Field	Vendor Field
Device Action	'Driver Loaded'
Device Receipt Time	UtcTime

ArcSight Field	Vendor Field
File Hash	Hashes
File Name	ImageLoaded
File Permission	SignatureStatus
File Type	Signed
Message	'Driver Loaded'
Name	'Driver Loaded'
Old File Hash	MITRE ID

Event 7

ArcSight Field	Vendor Field
Destination Process Name	Image
Device Action	'Image Loaded'
Device Receipt Time	UtcTime
File Hash	Hashes
File Id	ProcessGuid
File Name	ImageLoaded
File Permission	SignatureStatus
File Type	Signed
Message	Description
Name	'Image Loaded'
Old File Hash	MITRE ID
Old File Name	OriginalFileName

Event 8

ArcSight Field	Vendor Field
Destination Process Name	TargetImage
Device Action	'CreateRemoteThread detected'
Device Process Id	SourceProcessId
Device Receipt Time	UtcTime

ArcSight Field	Vendor Field
File Id	TargetProcessGuid
Message	'CreateRemoteThread detected'
Name	'CreateRemoteThread detected'
Old File Hash	MITRE ID
Old File Id	SourceProcessGuid
Source Process Name	SourceImage

Event 9

ArcSight Field	Vendor Field
Device Action	'RawAccessRead detected'
Device Custom String 5	Device
Device Receipt Time	UtcTime
Destination Process Name	Image
File Id	ProcessGuid
Message	'RawAccessRead detected'
Name	'RawAccessRead detected'
Old File Hash	MITRE ID

Event 10

ArcSight Field	Vendor Field
Additional Data.Source Thread Id	SourceThreadId
Destination Process Name	TargetImage
Device Action	'Process accessed'
Device Custom String 1	GrantedAccess
Device Process Id	__safeToInteger(SourceProcessId)
Device Receipt Time	UtcTime
File Id	TargetProcessGUID
Message	'Process accessed'
Name	'Process accessed'

ArcSight Field	Vendor Field
Old File Id	SourceProcessGUID
Old File Hash	MITRE ID
Old File Path	CallTrace
Source Process Name	SourceImage

Event 11

ArcSight Field	Vendor Field
Destination Process Name	Image
Device Action	'File Created'
Device Receipt Time	UtcTime
File Create Time	CreationUtcTime
File Id	ProcessGuid
File Path	TargetFilename
Message	'File created'
Name	'File created'
Old File Hash	MITRE ID

Event 12

ArcSight Field	Vendor Field
Destination Process Name	Image
Device Action	'Registry object added or deleted'
Device Custom String 1	EventType
Device Receipt Time	UtcTime
File Id	ProcessGuid
File Path	TargetObject
Message	'Registry object added or deleted'
Name	'Registry object added or deleted'
Old File Hash	MITRE ID

Event 13

ArcSight Field	Vendor Field
Destination Process Name	Image
Device Action	'Registry value set'
Device Custom String 1	EventType
Device Custom String 4	Details
Device Receipt Time	UtcTime
File Id	ProcessGuid
File Path	TargetObject
Message	'Registry value set'
Name	'Registry value set'
Old File Hash	MITRE ID

Event 14

ArcSight Field	Vendor Field
Destination Process Name	Image
Device Action	'Registry key and value rename'
Device Custom String 1	EventType
Device Receipt Time	UtcTime
File Id	ProcessGuid
File Path	NewName
Name	'Registry key and value rename'
Old File Hash	MITRE ID
Old File Path	TargetObject

Event 15

ArcSight Field	Vendor Field
Destination Process Name	Image
Device Action	'File stream created'

ArcSight Field	Vendor Field
Device Receipt Time	UtcTime
File Hash	Hash
File Id	ProcessGuid
File Create Time	CreationUtcTime
File Path	TargetFilename
Message	'File stream created'
Name	'File stream created'
Old File Hash	MITRE ID

Event 16

ArcSight Field	Vendor Field
Device Action	'Sysmon config state changed'
Device Receipt Time	UtcTime
File Hash	ConfigurationFileHash
Message	'Sysmon config state changed'
Name	'Sysmon config state changed'
Source Process Name	Configuration

Event 17

ArcSight Field	Vendor Field
Destination Process Name	Image
Device Action	'Pipe Created'
Device Custom String 1	EventType
Device Custom String 6	PipeName
Device Receipt Time	UtcTime
File Id	ProcessGuid
Message	'Create Pipe'
Name	'Create Pipe'
Old File Hash	MITRE ID

Event 18

ArcSight Field	Vendor Field
Destination Process Name	Image
Device Action	'Pipe Connected'
Device Custom String 1	EventType
Device Custom String 6	PipeName
Device Receipt Time	UtcTime
File Id	ProcessGuid
Message	'Pipe Connected'
Name	'Pipe Connected'
Old File Hash	MITRE ID

Event 19

ArcSight Field	Vendor Field
Device Action	Operation
Device Custom String 1	EventType
Device Custom String 4	Name
Device Receipt Time	UtcTime
Name	'WmiEventFilter activity detected'
Old File Hash	MITRE ID
Old File Path	EventNamespace
Source Nt Domain	__extractNTDomain(User)
Source User Name	__extractNTUser(User)

Event 20

ArcSight Field	Vendor Field
Device Action	Operation
Device Custom String 1	EventType
Device Custom String 4	Name

ArcSight Field	Vendor Field
Device Receipt Time	UtcTime
File Path	Destination
File Type	Type
Name	'WmiEventConsumer activity detected'
Old File Hash	MITRE ID
Source Nt Domain	__extractNTDomain(User)
Source User Name	__extractNTUser(User)

Event 21

ArcSight Field	Vendor Field
Device Action	Operation
Device Custom String 1	EventType
Device Custom String 4	Filter
Device Custom String 5	Consumer
Device Receipt Time	UtcTime
Name	'WmiEventConsumerToFilter activity detected'
Old File Hash	MITRE ID
Source Nt Domain	__extractNTDomain(User)
Source User Name	__extractNTUser(User)

Event 22

ArcSight Field	Vendor Field
Destination Address	__regexToken(QueryResults)
Destination Process Name	Image
Device Action	'Dns query'
Device Custom IPv6 Address 3	Query result
Device Custom String 1	QueryName
Device Custom String 4	QueryResults
Device Receipt Time	UtcTime

ArcSight Field	Vendor Field
File ID	ProcessGuid
Message	'Dns query'
Name	'Dns query'
Old File Hash	MITRE ID

Event 23

ArcSight Field	Vendor Field
Device Custom String 1	IsExecutable
Device Custom String 4	Archived
Device Receipt Time	UtcTime
File Id	ProcessGuid
File Hash	Hashes
File Path	TargetFilename
Message	__concatenate("File has been deleted from ",__extractNTDomain (TargetFilename))
Name	'File Delete'
Old File Hash	MITRE ID
Source Nt Domain	__extractNTDomain(User)
Source Process Name	Image
Source User Name	__extractNTUser(User)

Event 255

ArcSight Field	Vendor Field
Device Receipt Time	UtcTime
Device Action	__stringConstant("Level : Error")
Message	Description
Name	'Error report'
Source Process Name	ID

Windows 2008 R2

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'

Event 20088

ArcSight Field	Vendor Field
Name	Remote Access Server acquired IP Address
Destination Address	%1 (Assigned Address)
Message	Both ('The Remote Access Server acquired IP Address ',%1,' to be used on the Server Adapter.')

Event 20106

ArcSight Field	Vendor Field
Name	Unable to add interface
Device Outbound Interface	%1 (Interface)
Application Protocol	%2 (Protocol)
Message	%3 (Message Text)

Event 20184

ArcSight Field	Vendor Field
Name	Interface is unreachable
Device Inbound Interface	%1 (Interface)
Message	Both ('Interface ',%1,' is unreachable because it is not currently connected to the network.')

Event 20249

ArcSight Field	Vendor Field
Name	Failed to authenticate
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Message	Both ('The user ',%2,' has connected and failed to authenticate on port ',%3,'. The line has been disconnected.')

Event 20252

ArcSight Field	Vendor Field
Name	Authentication process did not complete
Device Custom String 4	Correlation-ID
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	Both ('The user connected to port ',%2,' has been disconnected because the authentication process did not complete within the required amount of time.')

Event 20255

ArcSight Field	Vendor Field
Name	Connection was prevented
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	%4 (Message Text)

Event 20258

ArcSight Field	Vendor Field
Name	Account does not have Remote Access privilege
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The account for user ',%3,' connected on port ',%4,' does not have Remote Access privilege. The line has been disconnected.')

Event 20266

ArcSight Field	Vendor Field
Name	Successfully authenticated
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The user ',One of (%2,%3),' has connected and has been successfully authenticated on port ',One of (%3,%4),'. Data sent and received over this link is strongly encrypted.')

Event 20271

ArcSight Field	Vendor Field
Name	Failed an authentication attempt
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)

ArcSight Field	Vendor Field
Source Address	%3 (Address)
Reason	%5 (Reason)
Message	%4 (Message Text)

Event 20272

ArcSight Field	Vendor Field
Name	User connected and disconnected
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Start Time	Both (%4, %5)
End Time	Both (%5, %6)
Device Custom Number 1	User active minutes
Device Custom Number 2	User active seconds
Bytes Out	%10 (Bytes Out)
Bytes In	%10 (Bytes In)
Additional data	%12
Additional data	%13
Additional data	%14
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ on ‘,%4,’ at ‘,%5,’ and disconnected on ‘,%6,’ at ‘,%7,’. The user was active for ‘,%8,’ minutes, ‘,%9,’ seconds, ‘,%10,’ bytes were sent and ‘,%11,’ bytes were received. The reason for disconnecting was ‘,%12,. The tunnel used was ‘,%13,’. The quarantine state was ‘,%14,’.’)

Event 20274

ArcSight Field	Vendor Field
Name	User connected and has been assigned address
Device Custom String 4	Correlation-ID

ArcSight Field	Vendor Field
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Destination Address	%4 (Assigned Address)
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ has been assigned address ‘,%4’)

Event 20275

ArcSight Field	Vendor Field
Name	User disconnected
Device Custom String 4	Correlation-ID
Source Address	%2 (Address)
Message	Both (‘The user with ip address ‘,%2,’ has disconnected’)

Mappings for Microsoft Windows AppLocker

Event 8001

ArcSight Field	Vendor Field
Name	"The AppLocker policy was applied successfully to this computer."

Event 8002

ArcSight Field	Vendor Field
Name	FilePath," was allowed to run."
Device Custom String 1	PolicyName
Device Custom String 3	RuleId
Device Custom String 4	RuleSddl
Device Custom String 5	Fqbn
Device Custom String 6	RuleName

ArcSight Field	Vendor Field
Device Custom Number 1	FileHashLength
Destination User Name	TargetUser
Destination Process Id	TargetProcessId
File Hash	FileHash
Destination User Id	TargetLogonId
File Path	FullFilePath or FilePath

Event 8003

ArcSight Field	Vendor Field
Name	FilePath," was allowed to run but would have been prevented from running if the AppLocker policy were enforced."
Device Custom String 1	PolicyName
Device Custom String 3	RuleId
Device Custom String 4	RuleSddl
Device Custom String 5	Fqbn
Device Custom String 6	RuleName
Device Custom Number 1	FileHashLength
Destination User Name	TargetUser
Destination Process Id	TargetProcessId
File Hash	FileHash
Destination User Id	TargetLogonId
File Path	FullFilePath or FilePath

Event 8004

ArcSight Field	Vendor Field
Name	FilePath," was prevented from running."
Device Custom String 1	PolicyName
Device Custom String 3	RuleId
Device Custom String 4	RuleSddl

ArcSight Field	Vendor Field
Device Custom String 5	Fqbn
Device Custom String 6	RuleName
Device Custom Number 1	FileHashLength
Destination User Name	TargetUser
Destination Process Id	TargetProcessId
File Hash	FileHash
Destination User Id	TargetLogonId
File Path	FullFilePath or FilePath

Event 8005

ArcSight Field	Vendor Field
Name	FilePath," was allowed to run."
Device Custom String 1	PolicyName
Device Custom String 3	RuleId
Device Custom String 4	RuleSddl
Device Custom String 5	Fqbn
Device Custom String 6	RuleName
Device Custom Number 1	FileHashLength
Destination User Name	TargetUser
Destination Process Id	TargetProcessId
File Hash	FileHash
Destination User Id	TargetLogonId
File Path	FullFilePath or FilePath

Event 8006

ArcSight Field	Vendor Field
Name	FilePath," was allowed to run but would have been prevented from running if the AppLocker policy were enforced."
Device Custom String 1	PolicyName

ArcSight Field	Vendor Field
Device Custom String 3	RuleId
Device Custom String 4	RuleSddl
Device Custom String 5	Fqbn
Device Custom String 6	RuleName
Device Custom Number 1	FileHashLength
Destination User Name	TargetUser
Destination Process Id	TargetProcessId
File Hash	FileHash
Destination User Id	TargetLogonId
File Path	FullFilePath or FilePath

Event 8007

ArcSight Field	Vendor Field
Name	FilePath," was prevented from running."
Device Custom String 1	PolicyName
Device Custom String 3	RuleId
Device Custom String 4	RuleSddl
Device Custom String 5	Fqbn
Device Custom String 6:	RuleName
Device Custom Number 1	FileHashLength
Destination User Name	TargetUser
Destination Process Id	TargetProcessId
File Hash	FileHash
Destination User Id	TargetLogonId
File Path	FullFilePath or FilePath

Microsoft Windows BITS Event

This section has the following sections:

Microsoft Windows BITS Client

General

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Microsoft Windows BITS Client'

Event 3

ArcSight Field	Vendor Field
Destination Nt Domain	string2
Destination User Name	string2
Device Custom String 4	string
Device Custom String 4 Label	"Job Title"
Message	All of("The BITS service created a new job: ",string," , with owner ",string2)
Name	"The BITS service created a new job"

Event 4

ArcSight Field	Vendor Field
Device Custom Number 1	fileCount
Device Custom Number 1 Label	"File count"
Device Custom String 4	jobTitle
Device Custom String 4 Label	"Job Title"
Device Custom String 5	jobId
Device Custom String 5 Label	"Job ID"
Device Custom String 6	jobOwner
Device Custom String 6 Label	"Job Owner"
Message	All of("The transfer job is complete.User: ",User,", Transfer job: ",jobTitle,", Job ID: ",jobId,", Owner: ",jobOwner,", File count: ",fileCount)

ArcSight Field	Vendor Field
Name	"The transfer job is complete"
Source Nt Domain	User
Source User Name	User

Event 59

ArcSight Field	Vendor Field
Bytes In	bytesTransferredFromPeer
Bytes Out	bytesTransferred
Destination Host Name	peer
Device Custom Number 1	bytesTotal
Device Custom Number 1 Label	"Total Bytes"
Device Custom String 1	transferId
Device Custom String 1 Label	"Transfer ID"
Device Custom String 4	name
Device Custom String 4 Label	"Job Title"
Device Custom String 5	Id
Device Custom String 5 Label	"Job ID"
File Create Time	fileTime
File Path	url
File Size	fileLength
Message	All of("BITS started the ",name," transfer job that is associated with the ",url," URL")
Name	"BITS started the transfer for job"

Event 60

ArcSight Field	Vendor Field
Bytes In	bytesTransferredFromPeer
Bytes Out	bytesTransferred
Destination Host Name	peer

ArcSight Field	Vendor Field
Device Custom Number 1	bytesTotal
Device Custom Number 1 Label	"Total Bytes"
Device Custom String 1	transferId
Device Custom String 1 Label	"Transfer ID"
Device Custom String 4	name
Device Custom String 4 Label	"Job Title"
Device Custom String 5	Id
Device Custom String 5 Label	"Job ID"
File Create Time	fileTime
File Path	url
File Size	fileLength
Message	All of("BITS stopped the ",name," transfer job that is associated with the ",url," URL. The status code is 0x",hr)
Name	"BITS stopped transferring for job"
Old File Name	Both("Proxy :",proxy)
Old File Path	Both("Bandwidth Limit :",bandwidthLimit)
Reason	Both ("0x",hr)

Event 61

ArcSight Field	Vendor Field
Bytes In	bytesTransferredFromPeer
Bytes Out	bytesTransferred
Destination Host Name	peer
Device Custom Number 1	bytesTotal
Device Custom Number 1 Label	"Total Bytes"
Device Custom String 1	transferId
Device Custom String 1 Label	"Transfer ID"
Device Custom String 4	name

ArcSight Field	Vendor Field
Device Custom String 4 Label	"Job Title"
Device Custom String 5	Id
Device Custom String 5 Label	"Job ID"
File Create Time	fileTime
File Path	url
File Size	fileLength
Message	All of("BITS stopped the ",name," transfer job that is associated with the ",url," URL. The status code is 0x",hr)
Name	"BITS stopped transferring the job"
Old File Name	Both("Proxy :",proxy)
Old File Path	bandwidthLimit
Reason	Both("0x",hr)

Windows 2008 R2

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'

Event 20088

ArcSight Field	Vendor Field
Name	Remote Access Server acquired IP Address
Destination Address	%1 (Assigned Address)
Message	Both ('The Remote Access Server acquired IP Address ',%1,' to be used on the Server Adapter.')

Event 20106

ArcSight Field	Vendor Field
Name	Unable to add interface
Device Outbound Interface	%1 (Interface)
Application Protocol	%2 (Protocol)
Message	%3 (Message Text)

Event 20184

ArcSight Field	Vendor Field
Name	Interface is unreachable
Device Inbound Interface	%1 (Interface)
Message	Both ('Interface ',%1,' is unreachable because it is not currently connected to the network.')

Event 20249

ArcSight Field	Vendor Field
Name	Failed to authenticate
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Message	Both ('The user ',%2,' has connected and failed to authenticate on port ',%3,'. The line has been disconnected.')

Event 20252

ArcSight Field	Vendor Field
Name	Authentication process did not complete
Device Custom String 4	Correlation-ID

ArcSight Field	Vendor Field
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	Both ('The user connected to port ',%2,' has been disconnected because the authentication process did not complete within the required amount of time.')

Event 20255

ArcSight Field	Vendor Field
Name	Connection was prevented
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	%4 (Message Text)

Event 20258

ArcSight Field	Vendor Field
Name	Account does not have Remote Access privilege
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The account for user ',%3,' connected on port ',%4,' does not have Remote Access privilege. The line has been disconnected.')

Event 20266

ArcSight Field	Vendor Field
Name	Successfully authenticated
Device Custom String 4	Correlation-ID

ArcSight Field	Vendor Field
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The user ',One of (%2,%3),' has connected and has been successfully authenticated on port ',One of (%3,%4),'. Data sent and received over this link is strongly encrypted.')

Event 20271

ArcSight Field	Vendor Field
Name	Failed an authentication attempt
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Source Address	%3 (Address)
Reason	%5 (Reason)
Message	%4 (Message Text)

Event 20272

ArcSight Field	Vendor Field
Name	User connected and disconnected
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Start Time	Both (%4, %5)
End Time	Both (%5, %6)
Device Custom Number 1	User active minutes
Device Custom Number 2	User active seconds

ArcSight Field	Vendor Field
Bytes Out	%10 (Bytes Out)
Bytes In	%10 (Bytes In)
Additional data	%12
Additional data	%13
Additional data	%14
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ on ‘,%4,’ at ‘,%5,’ and disconnected on ‘,%6,’ at ‘,%7,’. The user was active for ‘,%8,’ minutes, ‘,%9,’ seconds, ‘,%10,’ bytes were sent and ‘,%11,’ bytes were received. The reason for disconnecting was ‘,%12,. The tunnel used was ‘,%13,’. The quarantine state was ‘,%14,’.’)

Event 20274

ArcSight Field	Vendor Field
Name	User connected and has been assigned address
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Destination Address	%4 (Assigned Address)
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ has been assigned address ‘,%4’)

Event 20275

ArcSight Field	Vendor Field
Name	User disconnected
Device Custom String 4	Correlation-ID
Source Address	%2 (Address)
Message	Both (‘The user with ip address ‘,%2,’ has disconnected’)

Microsoft Windows Defender Antivirus

Mappings for Microsoft Windows Defender AntiVirus

Event 1000

ArcSight Field	Vendor Field
Device Action	Scan Parameter
Device Custom String 1	Scan ID
Device Custom String 1 Label	"Scan ID"
Device Event Category	Scan Type
Device Version	Product Version
File Path	Scan Resources
Message	An antimalware scan started
Name	MALWAREPROTECTION_SCAN_STARTED
Scan Parameter Index	Scan Parameter Index
Scan Type Index	Scan Type Index
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 1001

ArcSight Field	Vendor Field
Device Custom Number1	Scan Time Hours
Device Custom Number2 Label	"Minutes"
Device Action	Scan Parameter
Device Custom Number1 Label	"Hours"
Device Custom Number2	Scan Time Minutes
Device Custom Number3	Scan Time Seconds

ArcSight Field	Vendor Field
Device Custom Number3 Label	"Seconds"
Device Custom String1	Scan ID
Device Custom String1 Label	"Scan ID"
Device Event Category	Scan Type
Device Version	Product Version
Message	An anti-malware scan finished.
Name	MALWAREPROTECTION_SCAN_COMPLETED
Scan Parameter Index	Scan Parameter Index
Scan Type Index	Scan Type Index
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 1002

ArcSight Field	Vendor Field
Device Action	Scan Parameter
Device Custom String1	Scan ID
Device Custom String1 Label	"Scan ID"
Device Event Category	Scan Type
Device Version	Product Version
Message	An anti-malware scan was stopped before it finished.
Name	MALWAREPROTECTION_SCAN_CANCELLED
Scan Parameter Index	Scan Parameter Index
Scan Type Index	Scan Type Index
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 1009

ArcSight Field	Vendor Field
Device Custom Number1 Label	"Threat ID"
Device Custom Number2 Label	"Severity ID"
Device Custom Number1	Threat ID
Device Custom Number2	Severity ID
Device Custom Number3	Category ID
Device Custom Number3 Label	"Category ID"
Device Custom String1	Threat Name
Device Custom String1 Label	"Threat Name"
Device Custom String2	Signature Version,Engine Version
Device Custom String2Label	"Signature/Engine Version"
Device Custom String4	Category Name
Device Custom String4 Label	"Category Name"
Device Version	Product Version
File Path	Path
FWLink	FWLink
Message	The ant-imalware platform restored an item from quarantine.
Name	MALWAREPROTECTION_QUARANTINE_RESTORE
Old File ID	Severity Name
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 1010

ArcSight Field	Vendor Field
Device Custom Number 1	Threat ID
Device Custom Number 1 Label	“Threat ID”
Device Custom Number 2	Severity ID
Device Custom Number 2 Label	“Severity ID”
Device Custom Number 3	Category ID
Device Custom Number 3 Label	“Category ID”
Device Custom String 1	Threat Name
Device Custom String 1 Label	“Threat Name”
Device Custom String 2	Engine Version
Device Custom String 2 Label	“Engine Version”
Device Custom String 4	Category Name
Device Custom String 4 Label	“Category Name”
Device Custom String 5	Error Description
Device Custom String 5 Label	“Error Description”
Device Version	Product Version
File Path	Path
Message	The anti-malware platform could not restore an item from quarantine.
Name	MALWAREPROTECTION_QUARANTINE_RESTORE_FAILED
Old File ID	Severity Name
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 1011

ArcSight Field	Vendor Field
Device Custom Number 1 Label	"Threat ID"
Device Custom Number 2 Label	"Severity ID"
Device Custom Number 1	Threat ID
Device Custom Number 2	Severity ID
Device Custom Number 3	Category ID
Device Custom Number 3 Label	"Category ID"
Device Custom String 1	Threat Name
Device Custom String 1 Label	"Threat Name"
Device Custom String 2	Signature Version,Engine Version
Device Custom String 2 Label	"Signature/Engine Version"
Device Custom String 4	Category Name
Device Custom String 4 Label	"Category Name"
Device Version	Product Version
File Path	Path
FW Link	FWLink
Message	The anti-malware platform deleted an item from quarantine.
Name	MALWAREPROTECTION_QUARANTINE_DELETE
Old File ID	Severity Name
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 1013

ArcSight Field	Vendor Field
Device Custom Date 1	Timestamp
Device Custom Date 1 Label	"Action Time"
Device Version	Product Version
Message	The anti-malware platform deleted history of malware and other potentially unwanted software.
Name	MALWAREPROTECTION_MALWARE_HISTORY_DELETE
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 1015

ArcSight Field	Vendor Field
Device Custom Number1 Label	"Threat ID"
Device Custom Number2 Label	"Severity ID"
Device Custom Number1	Threat ID
Device Custom Number2	Severity ID
Device Custom Number3	Category ID
Device Custom Number3 Label	"Category ID"
Device Custom String1	Threat Name
Device Custom String1 Label	"Threat Name"
Device Custom String2	Signature Version,Engine Version
Device Custom String2 Label	"Signature/Engine Version"
Device Custom String4	Category Name
Device Custom String4 Label	"Category Name"
Device Custom String6	Detection ID
Device Custom String6 Label	"Detection ID"

ArcSight Field	Vendor Field
Device Version	Product Version
File Path	Path Found
FWLink	FWLink
Message	The anti-malware platform detected suspicious behavior.
Name	MALWAREPROTECTION_BEHAVIOR_DETECTED
Old File ID	Severity Name
Old File Type	Detection Type
Request Context	Detection Origin
Source Nt Domain	Domain
Source Process Name	Process Name
Source Service Name	Detection Source
Source User ID	SID
Source User Name	User

Event 1116

ArcSight Field	Vendor Field
Device Custom Number1 Label	"Threat ID"
Device Custom Number2 Label	"Severity ID"
Action ID	Action ID
Additional Actions ID	Additional Actions ID
Device Action	Action Name
Device Custom Number1	Threat ID
Device Custom Number2	Severity ID
Device Custom Number3	Category ID
Device Custom Number3 Label	"Category ID"
Device Custom String1	Threat Name
Device Custom String1 Label	"Threat Name"
Device Custom String2	Signature Version,Engine Version

ArcSight Field	Vendor Field
Device Custom String2 Label	"Signature/Engine Version"
Device Custom String4	Category Name
Device Custom String4 Label	"Category Name"
Device Custom String5	Error Description
Device Custom String5 Label	"Error Description"
Device Custom String6	Detection ID
Device Custom String6 Label	"Detection ID"
Device Version	Product Version
Execution ID	Execution ID
Execution Name	Execution Name
File Path	Path
FWLink	FWLink
Message	The anti-malware platform detected malware or other potentially unwanted software. Additional Actions String:
Name	MALWAREPROTECTION_STATE_MALWARE_DETECTED
Old File ID	Severity Name
Old File Type	Type Name
Origin ID	Origin ID
Post Clean Status	Post Clean Status
Pre Execution Status	Pre Execution Status
Reason	Error Code
Remediation User	Remediation User
Request Context	Origin Name
Request context	Detection Origin
Source ID	Source ID
Source Process Name	Process Name
Source Service Name	Source Name
Source User Name	Detection User
Start Time	Detection Time

ArcSight Field	Vendor Field
State	State
Status Code	Status Code
Status Description	Status Description
Type ID	Type ID

Event 1117

ArcSight Field	Vendor Field
Device Custom Number1 Label	"Threat ID"
Device Custom Number2 Label	"Severity ID"
Action ID	Action ID
Additional Actions ID	Additional Actions ID
Device Action	Action Name
Device Custom Number1	Threat ID
Device Custom Number2	Severity ID
Device Custom Number3	Category ID
Device Custom Number3 Label	"Category ID"
Device Custom String1	Threat Name
Device Custom String1 Label	"Threat Name"
Device Custom String2	Signature Version,Engine Version
Device Custom String2 Label	"Signature/Engine Version"
Device Custom String4	Category Name
Device Custom String4 Label	"Category Name"
Device Custom String5	Error Description
Device Custom String5 Label	"Error Description"
Device Custom String6	Detection ID
Device Custom String6 Label	"Detection ID"
Device Version	Product Version
Execution ID	Execution ID

ArcSight Field	Vendor Field
Execution Name	Execution Name
File Path	Path
FWLink	FWLink
Message	The anti-malware platform performed an action to protect your system from malware or other potentially unwanted software. Additional Actions String:
Name	MALWAREPROTECTION_STATE_MALWARE_ACTION_TAKEN
Old File ID	Severity Name
Old File Type	Type Name
Origin ID	Origin ID
Post Clean Status	Post Clean Status
Pre Execution Status	Pre Execution Status
Reason	Error Code
Remediation User	Remediation User
Request context	Detection Origin
Request Context	Origin Name
Source ID	Source ID
Source Process Name	Process Name
Source Service Name	Source Name
Source User Name	Detection User
Start Time	Detection Time
State	State
Status Code	Status Code
Status Description	Status Description
Type ID	Type ID

Event 1150

ArcSight Field	Vendor Field
Device Custom String2	Signature Version,Engine Version
Device Custom String2 Label	"Signature/Engine Version"

ArcSight Field	Vendor Field
Device Version	Platform Version
Message	If your anti-malware platform reports status to a monitoring platform, this event indicates that the antimalware platform is running and in a healthy state.
Name	MALWAREPROTECTION_SERVICE_HEALTHY

Event 1151

ArcSight Field	Vendor Field
Device Custom Date1	Last full scan start time
Device Custom Date1 Label	"Last full scan start time"
Device Custom Date2	Last full scan end time
Device Custom Date2 Label	"Last full scan end time"
Device Custom Number1	safeToLong(updateRevisionNumber)
Device Custom Number1	AV signature age
Device Custom Number1 Label	"Last AV Signature Age"
Device Custom Number2	AS signature age
Device Custom Number2 Label	"Last AS Signature Age"
Device Custom Number3	Last quick scan age
Device Custom Number3 Label	"Last quick scan age"
Device Custom String 1	RTP State/ OA State/ IOAV State/ BM State
Device Custom String1 Label	"RTP State/ OA State/ IOAV State/ BM State"
Device Custom String2	Signature Version,Engine Version
Device Custom String2 Label	"Signature/Engine Version"
Device Custom String4	Last quick scan source
Device Custom String4 Label	"Last Quick Scan Source"
Device Custom String6	Last full scan source
Device Custom String6 Label	"Last full scan source"
Device Floating Point1	Last full scan age
Device Floating Point1 Label	"Last full scan age"
Device Version	Platform Version
End Time	Last quick scan end time

ArcSight Field	Vendor Field
File Create Time	AV signature creation time
Message	Endpoint Protection client health report (time in UTC).
Name	MALWAREPROTECTION_SERVICE_HEALTH_REPORT
Old File Create Time	AS signature creation time
Product status	Product status
Start Time	Last quick scan start time

Event 2000

ArcSight Field	Vendor Field
Device Custom String2	Current Engine Version,Previous Engine Version,Current Signature Version,Previous Signature Version
Device Custom String2 Label	"Current Engine Version/Previous Engine Version/Current Signature Version/Previous Signature Version"
Device Custom String6	Update Type
Device Custom String6 Label	"Update Type"
Device Event Category	Signature Type
Device Version	Product Version
Message	The anti-malware definitions updated successfully
Name	MALWAREPROTECTION_SIGNATURE_UPDATED
Signature Type Index	Signature Type Index
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User
Update Type Index	Update Type Index

Event 2001

ArcSight Field	Vendor Field
Device Custom String2	Current Engine Version,Previous Engine Version,Current Signature Version,Previous Signature Version
Device Custom String2 Label	"Current Engine Version/Previous Engine Version/Current Signature Version/Previous Signature Version"

ArcSight Field	Vendor Field
Device Custom String5	Error Description
Device Custom String5 Label	"Error Description"
Device Custom String6	Update Type
Device Custom String6 Label	"Update Type"
Device Event Category	Signature Type
Device Version	Product Version
File Path	Source Path
Message	The security intelligence update failed.
Name	MALWAREPROTECTION_SIGNATURE_UPDATE_FAILED
Reason	Error Code
Signature Type Index	Signature Type Index
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 2002

ArcSight Field	Vendor Field
Device Custom String2	Current Engine Version, Previous Engine Version
Device Custom String2 Label	"Current/ Previous Engine Version"
Device Event Category	Feature Name
Device Version	Product Version
Feature Index	Feature Index
Message	The anti-malware engine updated successfully.
Name	MALWAREPROTECTION_ENGINE_UPDATED
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 2003

ArcSight Field	Vendor Field
Device Custom String 2	Current Engine Version / Previous Engine Version
Device Custom String 2 Label	“Current/Previous Engine Version”
Device Custom String 5	Error Description
Device Custom String 5 Label	“Error Description”
Device Version	Product Version
Message	The anti-malware engine update failed.
Name	MALWAREPROTECTION_ENGINE_UPDATE_FAILED
Reason	Error Code
Source Nt Domain	Domain
Source User ID	SID
source User Name	User

Event 2010

ArcSight Field	Vendor Field
Device Custom Date1	Dynamic Signature Compilation Timestamp
Device Custom Date1 Label	"Dynamic Signature Compilation Timestamp"
Device Custom String1	Dynamic Signature Version
Device Custom String1 Label	"Dynamic Signature Version"
Device Custom String2	Current Engine Version,Current Signature Version
Device Custom String2 Label	"Current Engine Version/Current Signature Version"
Device Event Category	Signature Type
Device Version	Product Version
Dynamic Signature Type	Dynamic Signature Type
Dynamic Signature Type Index	Dynamic Signature Type Index
File Path	Persistence Path
Message	The anti-malware engine used the Dynamic Signature Service to get additional definitions.
Name	MALWAREPROTECTION_SIGNATURE_FASTPATH_UPDATED

ArcSight Field	Vendor Field
Persistence Limit Type	Persistence Limit Type
Persistence Limit Type Index	Persistence Limit Type Index
Persistence Limit Value	Persistence Limit Value
Signature Type Index	Signature Type Index
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 2011

ArcSight Field	Vendor Field
Device Custom Date1	Dynamic Signature Compilation Timestamp
Device Custom Date1 Label	"Dynamic Signature Compilation Timestamp"
Device Custom String1	Dynamic Signature Version
Device Custom String1 Label	"Dynamic Signature Version"
Device Custom String2	Current Engine Version,Current Signature Version
Device Custom String2 Label	"Current Engine Version/Current Signature Version"
Device Event Category	Signature Type
Device Version	Product Version
Dynamic Signature Type	Dynamic Signature Type
Dynamic Signature Type Index	Dynamic Signature Type Index
File Path	Persistence Path
Message	The Dynamic Signature Service deleted the out-of-date dynamic definitions.
Name	MALWAREPROTECTION_SIGNATURE_FASTPATH_DELETED
Persistence Limit Type	Persistence Limit Type
Persistence Limit Type Index	Persistence Limit Type Index
Persistence Limit Value	Persistence Limit Value
Reason	Removal Reason Value
Removal Reason Index	Removal Reason Index
Signature Type Index	Signature Type Index

ArcSight Field	Vendor Field
Source Nt Domain	Domain
Source User ID	SID
Source User Name	User

Event 2030

ArcSight Field	Vendor Field
Device Version	Product Version
Message	The anti-malware engine was downloaded and is configured to run offline on the next system restart.
Name	MALWAREPROTECTION_OFFLINE_SCAN_INSTALLED

Event 2031

ArcSight Field	Vendor Field
Name	MALWAREPROTECTION_OFFLINE_SCAN_INSTALL_FAILED
Message	The antimalware engine was unable to download and configure an offline scan.
Device Version	Product Version
Device Custom String 5 Label	“Error Description”
Device Custom String 5	Error Description
Reason	Error code

Event 2041

ArcSight Field	Vendor Field
Name	MALWAREPROTECTION_OS_EOL
Message	Antimalware support for this operating system has ended. You must upgrade the operating system for continued support.

Event 3002

ArcSight Field	Vendor Field
Device Custom String5	Error Description
Device Custom String5 Label	"Error Description"
Device Version	Product Version
File Hash	Feature Name
File ID	Feature ID
Message	Real-time protection encountered an error and failed.
Name	MALWAREPROTECTION_RTP_FEATURE_FAILURE
Reason	Error Code

Event 3007

ArcSight Field	Vendor Field
Name	MALWAREPROTECTION_RTP_FEATURE_RECOVERED
Message	Real-time protection recovered from a failure. We recommend running a full system scan when you see this error.
Device Version	Product Version
File ID	Feature ID
File Hash	Feature Name
Reason	reason

Event 5000

ArcSight Field	Vendor Field
Device Version	Product Version
Message	Real-time protection is enabled.
Name	MALWAREPROTECTION_RTP_ENABLED

Event 5001

ArcSight Field	Vendor Field
Device Version	Product Version
Message	Real-time protection is disabled.
Name	MALWAREPROTECTION_RTP_DISABLED

Event 5004

ArcSight Field	Vendor Field
Device Custom Number	"Configuration"
Device Custom Number1 Label	Configuration
Device Version	Product Version
File Hash	Feature Name
File ID	Feature ID
Message	The real-time protection configuration changed.
Name	MALWAREPROTECTION_RTP_FEATURE_CONFIGURED

Event 5007

ArcSight Field	Vendor Field
Device Version	Product Version
File Name	"New Value"
Message	The antimalware platform configuration changed.
Name	MALWAREPROTECTION_CONFIG_CHANGED
Old File Name	Old Value

Event 5009

ArcSight Field	Vendor Field
Name	MALWAREPROTECTION_ANTISPYWARE_ENABLED
Message	Scanning for malware and other potentially unwanted software is enabled.
Device Version	Product Version

Event 5010

ArcSight Field	Vendor Field
Device Version	Product Version
Message	Scanning for malware and other potentially unwanted software is disabled.
Name	MALWAREPROTECTION_ANTISPYWARE_DISABLED

Event 5011

ArcSight Field	Vendor Field
Name	MALWAREPROTECTION_ANTIVIRUS_ENABLED
Message	Scanning for viruses is enabled.
Device Custom String 1 Label	“Product Version”
Device Custom String 1	Product Version

Event 5012

ArcSight Field	Vendor Field
Device Version	Product Version
Message	Scanning for viruses is disabled.
Name	MALWAREPROTECTION_ANTIVIRUS_DISABLED

Event 5013

ArcSight Field	Vendor Field
Name	Tamper protection blocked a change to Microsoft Defender Antivirus.
Message	Tamper protection blocked a change to Microsoft Defender Antivirus.
Device Version	Product Version
File Name	Value

Windows 2008 R2

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'

Event 20088

ArcSight Field	Vendor Field
Name	Remote Access Server acquired IP Address
Destination Address	%1 (Assigned Address)
Message	Both ('The Remote Access Server acquired IP Address ',%1,' to be used on the Server Adapter.')

Event 20106

ArcSight Field	Vendor Field
Name	Unable to add interface
Device Outbound Interface	%1 (Interface)
Application Protocol	%2 (Protocol)
Message	%3 (Message Text)

Event 20184

ArcSight Field	Vendor Field
Name	Interface is unreachable
Device Inbound Interface	%1 (Interface)
Message	Both ('Interface ',%1,' is unreachable because it is not currently connected to the network.')

Event 20249

ArcSight Field	Vendor Field
Name	Failed to authenticate
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Message	Both ('The user ',%2,' has connected and failed to authenticate on port ',%3,'. The line has been disconnected.')

Event 20252

ArcSight Field	Vendor Field
Name	Authentication process did not complete
Device Custom String 4	Correlation-ID
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	Both ('The user connected to port ',%2,' has been disconnected because the authentication process did not complete within the required amount of time.')

Event 20255

ArcSight Field	Vendor Field
Name	Connection was prevented
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	%4 (Message Text)

Event 20258

ArcSight Field	Vendor Field
Name	Account does not have Remote Access privilege
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The account for user ',%3,' connected on port ',%4,' does not have Remote Access privilege. The line has been disconnected.')

Event 20266

ArcSight Field	Vendor Field
Name	Successfully authenticated
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The user ',One of (%2,%3),' has connected and has been successfully authenticated on port ',One of (%3,%4),'. Data sent and received over this link is strongly encrypted.')

Event 20271

ArcSight Field	Vendor Field
Name	Failed an authentication attempt
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)

ArcSight Field	Vendor Field
Source Address	%3 (Address)
Reason	%5 (Reason)
Message	%4 (Message Text)

Event 20272

ArcSight Field	Vendor Field
Name	User connected and disconnected
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Start Time	Both (%4, %5)
End Time	Both (%5, %6)
Device Custom Number 1	User active minutes
Device Custom Number 2	User active seconds
Bytes Out	%10 (Bytes Out)
Bytes In	%10 (Bytes In)
Additional data	%12
Additional data	%13
Additional data	%14
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ on ‘,%4,’ at ‘,%5,’ and disconnected on ‘,%6,’ at ‘,%7,’. The user was active for ‘,%8,’ minutes, ‘,%9,’ seconds, ‘,%10,’ bytes were sent and ‘,%11,’ bytes were received. The reason for disconnecting was ‘,%12,. The tunnel used was ‘,%13,’. The quarantine state was ‘,%14,’.’)

Event 20274

ArcSight Field	Vendor Field
Name	User connected and has been assigned address
Device Custom String 4	Correlation-ID

ArcSight Field	Vendor Field
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Destination Address	%4 (Assigned Address)
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ has been assigned address ‘,%4’)

Event 20275

ArcSight Field	Vendor Field
Name	User disconnected
Device Custom String 4	Correlation-ID
Source Address	%2 (Address)
Message	Both (‘The user with ip address ‘,%2,’ has disconnected’)

Microsoft Windows ESENT

This section has the following event mapping information:

Microsoft Windows ESENT

General

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'ESENT'
Device Version	'Unknown'

Event 102

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2
Source Process Name	%3
Name	The database engine is starting a new instance

Event 103

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2
Source Process Name	%3
Name	The database engine stopped the instance

Event 105

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2
Source Process Name	%3
Name	The database engine started a new instance

Event 224

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2
Source Process Name	%3
File Name	%4 to %5
Name	Deleting log files

Event 225

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2
Source Process Name	%3
Name	No log files can be truncated

Event 300

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2
Source Process Name	%3
Name	The database engine is initiating recovery steps

Event 301

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2
Source Process Name	%3
File Name	%4
File Type	%6
Device Custom String 1	%7
Device Custom String 1 Label	Number of times log record seen
Name	The database engine has finished replaying log file

Event 302

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2

ArcSight Field	Vendor Field
Source Process Name	%3
Name	The database engine has successfully completed recovery steps

Event 325

ArcSight Field	Vendor Field
File Path	%5
Name	"The database engine created a new database"
Source Process Id	%2
Source Service Name	%1

Event 326

ArcSight Field	Vendor Field
File Path	%5
Name	"The database engine attached a database"
Source Process Id	%2
Source Service Name	%1
Source Process Name	%3

Event 327

ArcSight Field	Vendor Field
File Path	%5
Name	"The database engine detached a database"
Source Process Id	%2
Source Service Name	%1

Event 330

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2

ArcSight Field	Vendor Field
Source Process Name	%3
File Name	%4
Device Custom String 4	%7
Device Custom String 4 Label	Default engine version
Name	The database format version is being held back

Event 335

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2
Source Process Name	%3
File Name	%5
Reason	%7
Name	Replay of a create for database at log position was deferred

Event 455

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2
Source Process Name	%3
File Name	%4
Device Custom String 4	%5
Device Custom String 4 Label	Error
Name	Error occurred while opening log file

Event 641

ArcSight Field	Vendor Field
Source Service Name	%1
Source Process Id	%2

ArcSight Field	Vendor Field
Source Process Name	%3
Device Custom String 4	%5
Device Custom String 4 Label	Log format version
Device Custom String 5	%6
Device Custom String 5 Label	Current log format version
Name	The log format feature version could not be used

Windows 2008 R2

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'

Event 20088

ArcSight Field	Vendor Field
Name	Remote Access Server acquired IP Address
Destination Address	%1 (Assigned Address)
Message	Both ('The Remote Access Server acquired IP Address ',%1,' to be used on the Server Adapter.')

Event 20106

ArcSight Field	Vendor Field
Name	Unable to add interface
Device Outbound Interface	%1 (Interface)
Application Protocol	%2 (Protocol)
Message	%3 (Message Text)

Event 20184

ArcSight Field	Vendor Field
Name	Interface is unreachable
Device Inbound Interface	%1 (Interface)
Message	Both ('Interface ',%1,' is unreachable because it is not currently connected to the network.')

Event 20249

ArcSight Field	Vendor Field
Name	Failed to authenticate
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Message	Both ('The user ',%2,' has connected and failed to authenticate on port ',%3,'. The line has been disconnected.')

Event 20252

ArcSight Field	Vendor Field
Name	Authentication process did not complete
Device Custom String 4	Correlation-ID
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	Both ('The user connected to port ',%2,' has been disconnected because the authentication process did not complete within the required amount of time.')

Event 20255

ArcSight Field	Vendor Field
Name	Connection was prevented
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	%4 (Message Text)

Event 20258

ArcSight Field	Vendor Field
Name	Account does not have Remote Access privilege
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The account for user ',%3,' connected on port ',%4,' does not have Remote Access privilege. The line has been disconnected.')

Event 20266

ArcSight Field	Vendor Field
Name	Successfully authenticated
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)

ArcSight Field	Vendor Field
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The user ',One of (%2,%3),' has connected and has been successfully authenticated on port ',One of (%3,%4),'. Data sent and received over this link is strongly encrypted.')

Event 20271

ArcSight Field	Vendor Field
Name	Failed an authentication attempt
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Source Address	%3 (Address)
Reason	%5 (Reason)
Message	%4 (Message Text)

Event 20272

ArcSight Field	Vendor Field
Name	User connected and disconnected
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Start Time	Both (%4, %5)
End Time	Both (%5, %6)
Device Custom Number 1	User active minutes
Device Custom Number 2	User active seconds
Bytes Out	%10 (Bytes Out)
Bytes In	%10 (Bytes In)

ArcSight Field	Vendor Field
Additional data	%12
Additional data	%13
Additional data	%14
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ on ‘,%4,’ at ‘,%5,’ and disconnected on ‘,%6,’ at ‘,%7,’. The user was active for ‘,%8,’ minutes, ‘,%9,’ seconds, ‘,%10,’ bytes were sent and ‘,%11,’ bytes were received. The reason for disconnecting was ‘,%12,. The tunnel used was ‘,%13,’. The quarantine state was ‘,%14,’.’)

Event 20274

ArcSight Field	Vendor Field
Name	User connected and has been assigned address
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Destination Address	%4 (Assigned Address)
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ has been assigned address ‘,%4’)

Event 20275

ArcSight Field	Vendor Field
Name	User disconnected
Device Custom String 4	Correlation-ID
Source Address	%2 (Address)
Message	Both (‘The user with ip address ‘,%2,’ has disconnected’)

Specific Windows Security Event Mappings

General

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	‘Microsoft Windows’

104

ArcSight ESM Field	Device-Specific Field
Name	'The log file was cleared'
Message	concatenate('The ',Channel,' log file was cleared')
Source Nt Domain	SubjectDomainName
Source User Name	SubjectUserName
File Type	Channel
File Path	BackupPath

1100

ArcSight ESM Field	Device-Specific Field
Name	‘The event logging service has shut down.’

1101

ArcSight ESM Field	Device-Specific Field
Name	‘Audit events have been dropped by the transport. The real time backup file was corrupt due to improper shutdown.’
Device Custom Number 3	Reason

1102

ArcSight ESM Field	Device-Specific Field
Name	'The audit log was cleared.'
Destination NT Domain	SubjectDomainName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination User ID	SubjectLogonId

1104

ArcSight ESM Field	Device-Specific Field
Name	'The security log is now full'

1105

ArcSight ESM Field	Device-Specific Field
Name	'Event log automatic backup.'
File Type	Channel
File Name	BackupPath

Event Mappings for Microsoft Windows Hyper V

Event 1

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Hypervisor
Name	The Hyper-V Hypervisor has started

Event 2

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Hypervisor
Name	The VM and host networking components failed to negotiate protocol version

Event 129

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Hypervisor
Name	Reset to device

Event 155

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Hypervisor
Name	The Diagnostic Policy service was stopped

Event 156

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Hypervisor
Name	Initial page allocation NUMA policy NUMA distribution disabled

Event 3086

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	The repository has logged performance summary

Event 3452

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Virtual machine failed to stop The device is not ready for use

Event 12006

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Unable to Connect: Windows is unable to connect to the automatic updates service

Event 12010

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Failed to power on with Error

Event 12030

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Failed to start

Event 12148

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-SynthStor
Name	Virtual machine started successfully

Event 12514

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Found a certificate for server authentication. Remote access to virtual machines is now possible.

Event 12520

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Auto-generating a self-signed certificate for server authentication

Event 12582

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-SynthNic
Name	Virtual machine started successfully

Event 12597

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Network adapter (%NIC_ID%) Connected to virtual network

Event 13002

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	A new virtual machine was created

Event 13003

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	The virtual machine was deleted

Event 14070

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Switch set up failed

Event 14090

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Virtual Machine Management service is shutting down while some virtual machines begin running

Event 14092

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Virtual Machine Management service is being shut down

Event 14094

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Hyper-V Virtual Machine Management service started successfully

Event 14100

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Shutting down physical computer. Stopping/saving all virtual machines

Event 14104

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	The Virtual Machine Management service is waiting for a servicing operation (servicing) to complete

Event 14108

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Unable to open handle to switch driver

Event 15266

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Failed to create virtual hard disk

Event 15310

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Created configuration store for '%1'

Event 18304

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	The virtual machine was realized

Event 18500

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Virtual machine started successfully

Event 18502

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Virtual machine was turned off

Event 18504

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Virtual machine was shut down by a user or process

Event 18508

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Virtual Machine Shut Down by Guest Operating System

Event 18510

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Virtual Machine Saved Successfully

Event 18512

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Virtual Machine Reset by Host

Event 18514

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Virtual Machine Reset by Guest Operating System

Event 18596

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	Virtual machine was restored successfully

Event 18600

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Chipset
Name	Virtual machine has encountered a watchdog timeout and was reset

Event 18602

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	VM has encountered a fatal error and a memory dump has been generated

Event 18609

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-Worker
Name	(VM Name) properties were successfully initialized

Event 19020

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	The WMI provider has started

Event 19040

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	The WMI provider has shut down

Event 20410

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Successfully started the Virtual Machine migration connection manager

Event 20790

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Failed to set security information for

Event 22052

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Live migrations can be enabled only on a domain joined computer

Event 26000

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Switch created, name

Event 26002

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Switch deleted, name

Event 26004

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Switch port created, switch name

Event 26006

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Switch port deleted, switch name

Event 26012

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Internal miniport created

Event 26016

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	External ethernet port

Event 26018

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	External ethernet port

Event 26026

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Internal miniport deleted

Event 26074

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Ethernet switch port connected

Event 26078

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Ethernet switch port disconnected

Event 27262

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	The system failed to create

Event 33012

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Could not find Ethernet switch

Event 33201

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Hyper-V Setup Remote management has been successfully enabled for members of the 'Hyper-V Administrators' group

Event 33205

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Hyper-V Setup Default Virtual Machine and Virtual Hard Disk paths have been successfully configured

Event 33452

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Replication health limits

Event 33454

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Replication health limits

Event 33456

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Replication

Event 33458

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Replication

Event 33480

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Change tracking has defined following limits for free disk space

Event 33481

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Change tracking has defined following limits for pending log file size

Event 33483

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Incremental Replication will timeout after 360 hours

Event 33834

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	Hyper-V would age out CDP reference points after 720 hours

Event 36000

ArcSight Field	Vendor Field
Device Product	Microsoft-Windows-Hyper-V-VMMS
Name	The repository has logged performance summary name

Microsoft Windows PowerShell Mappings

Event 400, 403

ArcSight Field	Vendor Field
Name	'Engine state is changed'
Message	'Engine state is changed from',%2,'to',%1
File Hash	%1
Old FileHash	%2

ArcSight Field	Vendor Field
Device Custom Number 2	SequenceNumber(Sequence Number)
Device Custom String 4	All of ('Host Name: ',HostName,', Host Version: ',HostVersion,', Host ID: ',HostId)(Host Information)
Request Client Application	HostApplication
Old File Id	RunspaceId
Device Custom Number 1	PipelineId(Pipeline ID)
File Name	CommandName
File Type	CommandType
Old File Name	ScriptName
File Path	CommandPath
File Permission	CommandLine
Source NT Domain	UserId
Source User Name	UserId

Event 500, 501

ArcSight Field	Vendor Field
Name	'Command State'
Message	'Command "',%1,'" is ',%2
Device Custom Number 2	SequenceNumber(Sequence Number)
Device Custom String 4	All of ('Host Name: ',HostName,', Host Version: ',HostVersion,', Host ID: ',HostId)(Host Information)
Request Client Application	HostApplication
Old File Id	RunspaceId
Device Custom Number 1	PipelineId(Pipeline ID)
File Name	CommandName
File Type	CommandType
Old File Name	ScriptName
File Path	CommandPath
File Permission	CommandLine
Source NT Domain	UserId
Source User Name	UserId

Event 600

ArcSight Field	Vendor Field
Name	'Provider State'
Message	'Provider "',%1,'" is ',%2
Device Custom Number 2	SequenceNumber(Sequence Number)
Device Custom String 4	All of ('Host Name: ',HostName,', Host Version: ',HostVersion,', Host ID: ',HostId)(Host Information)
Request Client Application	HostApplication
Old File Id	RunspaceId
Device Custom Number 1	PipelineId(Pipeline ID)
File Name	CommandName
File Type	CommandType
Old File Name	ScriptName
File Path	CommandPath
File Permission	CommandLine
Source NT Domain	UserId
Source User Name	UserId

Event 800

ArcSight Field	Vendor Field
Name	'Pipeline execution details for command line'
Message	'Pipeline execution details for command line: ',%1
Device Custom String 1	%3(Details)
Device Custom Number 2	SequenceNumber(Sequence Number)
Device Custom String 4	All of ('Host Name: ',HostName,', Host Version: ',HostVersion,', Host ID: ',HostId)(Host Information)
Request Client Application	HostApplication
Old File Id	RunspaceId
Device Custom Number 1	PipelineId(Pipeline ID)
Old File Name	ScriptName

ArcSight Field	Vendor Field
File Permission	CommandLine
Source NT Domain	UserId
Source User Name	UserId

Windows Microsoft-Windows-PowerShell/Operational Mappings

Event 4100

ArcSight Field	Vendor Field
Name	'Error Message'
Device Custom String 1	UserData(User Data)
Device Severity	Severity
Device Custom String 4	All of ('Host Name: ',Host Name,', Host Version: ',Host Version,', Host ID: ',Host Id)(Host Information)
Request Client Application	HostApplication
Old File Id	RunspaceId
Device Custom Number 1	PipelineId(Pipeline ID)
File Name	CommandName
File Type	CommandType
Old File Name	ScriptName
File Permission	CommandLine
Device Custom Number 2	SequenceNumber(Sequence Number)
Source NT Domain	User
Source User Name	User
Device Custom String 6	Connected User(Connected User)
Request Context	Shell ID
Message	Error Message,' ',Recommended Action
Reason	Fully Qualified Error ID

Event 4103

ArcSight Field	Vendor Field
Name	'Command Invocation'
Message	Payload
Device Custom String 1	UserData(User Data)
Device Severity	Severity
Device Custom String 4	All of ('Host Name: ',Host Name,', Host Version: ',Host Version,', Host ID: ',Host Id)(Host Information)
Request Client Application	HostApplication
Old File Id	RunspaceId
Device Custom Number 1	PipelineId(Pipeline ID)
File Name	Command Name
File Type	Command Type
Old File Name	Script Name
File Path	Command Path
File Permission	Command Line
Device Custom Number 2	SequenceNumber(Sequence Number)
Source NT Domain	User
Source User Name	User
Device Custom String 6	Connected User(Connected User)
Request Context	Shell ID

Event 4104

ArcSight Field	Vendor Field
Name	'Creating Scriptblock text'
Message	'Creating Scriptblock text(',MessageNumber,' of ',MessageTotal,'\\):',ScriptBlockText
Device Custom Number 1	MessageNumber(Message Number)

ArcSight Field	Vendor Field
Device Custom Number 2	Message Total
File Name	ScriptBlockText
File Path	Path

Event 4105

ArcSight Field	Vendor Field
Name	'Started invocation of ScriptBlock'
Message	'Started invocation of ScriptBlock ID',ScriptBlockId
File ID	ScriptBlockId
Old File ID	RunspaceId

Event 8193

ArcSight Field	Vendor Field
Name	'Creating Runspace object'
Message	'Creating Runspace object Instance Id:',param1
Device Custom String 5	param1(Instance Id)

Event 8194

ArcSight Field	Vendor Field
Name	'Creating RunspacePool object'
Message	'Creating RunspacePool object Instance Id:',InstanceId
Device Custom String 5	param1(Instance Id)
Device Custom Number 1	MaxRunspaces(Max Runspaces)
Device Custom Number 2	MinRunspaces(Min Runspaces)

Event 8195

ArcSight Field	Vendor Field
Name	'Opening RunspacePool'
Message	'Opening RunspacePool'

Event 8196, 12039

ArcSight Field	Vendor Field
Name	'Modifying activity Id and correlating'
Message	'Modifying activity Id and correlating'

Event 8197

ArcSight Field	Vendor Field
Name	'Runspace state changed'
Message	'Runspace state changed to ',param1
Device Action	param1

Event 24577

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE has started to run script file'
Message	'Windows PowerShell ISE has started to run script file ',FileName
File Path	FileName

Event 24579

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is stopping the current command'
Message	'Windows PowerShell ISE is stopping the current command'

Event 24580

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is resuming the debugger'
Message	'Windows PowerShell ISE is resuming the debugger'

Event 24581

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is stopping the debugger'
Message	'Windows PowerShell ISE is stopping the debugger'

Event 24582

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is stepping into debugging'
Message	'Windows PowerShell ISE is stepping into debugging'

Event 24583

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is stepping over debugging'
Message	'Windows PowerShell ISE is stepping over debugging'

Event 24584

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is stepping out of debugging'
Message	'Windows PowerShell ISE is stepping out of debugging'

Event 24592

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is enabling all breakpoints'
Message	'Windows PowerShell ISE is enabling all breakpoints'

Event 24593

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is disabling all breakpoints'
Message	'Windows PowerShell ISE is disabling all breakpoints'

Event 24594

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is removing all breakpoints'
Message	'Windows PowerShell ISE is removing all breakpoints'

Event 24595

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is setting the breakpoint'
Message	'Windows PowerShell ISE is setting the breakpoint at line #: ',CurrentLine,' of file ',FileName
Device Custom Number 3	CurrentLine(Current Line)
File Path	FileName

Event 24596

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is removing the breakpoint'
Message	'Windows PowerShell ISE is removing the breakpoint on line #: ',CurrentLine,' of file ',FileName
Device Custom Number 3	CurrentLine(Current Line)
File Path	FileName

Event 24597

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is enabling the breakpoint'
Message	'Windows PowerShell ISE is enabling the breakpoint on line #: ',CurrentLine,' of file ',FileName
Device Custom Number 3	CurrentLine(Current Line)
File Path	FileName

Event 24598

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE is disabling the breakpoint'
Message	'Windows PowerShell ISE is disabling the breakpoint on line #: ',CurrentLine,' of file ',FileName
Device Custom Number 3	CurrentLine(Current Line)
File Path	FileName

Event 24599

ArcSight Field	Vendor Field
Name	'Windows PowerShell ISE has hit a breakpoint'
Message	'Windows PowerShell ISE has hit a breakpoint on line #: ',CurrentLine,' of file ',FileName
Device Custom Number 3	CurrentLine(Current Line)
File Path	FileName

Event 40961

ArcSight Field	Vendor Field
Name	'PowerShell console is starting up'
Message	'PowerShell console is starting up'

Event 40962

ArcSight Field	Vendor Field
Name	'PowerShell console is ready for user input'
Message	'PowerShell console is ready for user input'

Event 53249

ArcSight Field	Vendor Field
Name	'Scheduled Job started'
Message	'Scheduled Job ',ScheduledJobDefName,' started at ',StartTime
Device Custom String 1	ScheduledJobDefName(Scheduled Job Name)
Start Time	Start Time

Event 53250

ArcSight Field	Vendor Field
Name	'Scheduled Job completed'
Message	'Scheduled Job ',ScheduledJobDefName,' completed at ',StopTime,' with state ',State
Device Custom String 1	ScheduledJobDefName(Scheduled Job Name)
End Time	StopTime
Device Action	State

Event 53504

ArcSight Field	Vendor Field
Name	'Windows PowerShell has started an IPC listening thread'
Message	'Windows PowerShell has started an IPC listening thread on process: ',param1,' in AppDomain: ',param2
Destination Process Id	param1
Device Custom String 1	param2(App Domain)

Microsoft Windows Update Client

This section has the following information

Windows 2012

General

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Microsoft-Windows-WindowsUpdateClient'

Event 16

ArcSight Field	Vendor Field
Name	'Unable to Connect: Windows is unable to connect to the automatic updates service'

Event 17

ArcSight Field	Vendor Field
Name	'Installation Ready: The following updates are downloaded and ready for installation'

Event 18

ArcSight Field	Vendor Field
Name	'Installation Ready : The updates are downloaded and scheduled for installation'
Device Custom String 4 Label	stringConstant("Scheduled Install Date")
Device Custom String 4	schedinstalldate
Device Custom String 5 Label	stringConstant("Scheduled Install Time")
Device Custom String 5	schedinstalltime
Device Custom String 6 Label	stringConstant("Update List")
Device Custom String 6	updatelist

Event 19

ArcSight Field	Vendor Field
Name	'Installation Successful: Window successfully installed the updates'
Device Custom String 4 Label	stringConstant("Update Title")
Device Custom String 4	updateTitle
Device Custom String 5 Label	stringConstant("Update Guid")
Device Custom String 5	updateGuid
Device Custom Number3	safeToLong(updateRevisionNumber)
Device Custom Number3 Label	If updateRevisionNumber is blank set Label blank else stringConstant ("Update Revision Number"))

Event 20

ArcSight Field	Vendor Field
Name	Installation Failure: Windows failed to install the Updates
Device Custom String 4 Label	stringConstant("Update Title")
Device Custom String 4	updateTitle
Device Custom String 5 Label	stringConstant("Update Guid")
Device Custom String 5	updateGuid
Device Custom Number3	safeToLong(updateRevisionNumber)
Device Custom Number3 Label	If updateRevisionNumber is blank set Label blank else stringConstant ("Update Revision Number"))

Event 21

ArcSight Field	Vendor Field
Name	Restart Required : The computer must be restarted
Device Custom String 6 Label	stringConstant("Update List")
Device Custom String 6	updatelist

Event 22

ArcSight Field	Vendor Field
Device Custom String 6	updatelist
Device Custom String 6 Label	__stringConstant (Update List)
Name	Restart Required : The computer will be restarted

Event 27

ArcSight Field	Vendor Field
Name	Automatic Updates is now paused

Event 28

ArcSight Field	Vendor Field
Name	Automatic Update is now resumed

Event 43

ArcSight Field	Vendor Field
Name	Installation Started: Windows has started installing the updates
Device Custom String 4 Label	stringConstant("Update Title")
Device Custom String 4	updateTitle
Device Custom String 5 Label	stringConstant("Update Guid")
Device Custom String 5	updateGuid
Device Custom Number3	safeToLong(updateRevisionNumber)
Device Custom Number3 Label	If updateRevisionNumber is blank set Label blank else stringConstant ("Update Revision Number"))

Event 44

ArcSight Field	Vendor Field
Name	Downloading Started: Windows Update started downloading an update
Device Custom String 4 Label	stringConstant("Update Title")

ArcSight Field	Vendor Field
Device Custom String 4	updateTitle
Device Custom String 5 Label	stringConstant("Update Guid")
Device Custom String 5	updateGuid
Device Custom Number3	safeToLong(updateRevisionNumber)
Device Custom Number3 Label	If updateRevisionNumber is blank set Label blank else stringConstant ("Update Revision Number"))

Windows 2008 R2

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'

Event 20088

ArcSight Field	Vendor Field
Name	Remote Access Server acquired IP Address
Destination Address	%1 (Assigned Address)
Message	Both ('The Remote Access Server acquired IP Address ',%1,' to be used on the Server Adapter.')

Event 20106

ArcSight Field	Vendor Field
Name	Unable to add interface
Device Outbound Interface	%1 (Interface)
Application Protocol	%2 (Protocol)
Message	%3 (Message Text)

Event 20184

ArcSight Field	Vendor Field
Name	Interface is unreachable
Device Inbound Interface	%1 (Interface)
Message	Both ('Interface ',%1,' is unreachable because it is not currently connected to the network.')

Event 20249

ArcSight Field	Vendor Field
Name	Failed to authenticate
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Message	Both ('The user ',%2,' has connected and failed to authenticate on port ',%3,'. The line has been disconnected.')

Event 20252

ArcSight Field	Vendor Field
Name	Authentication process did not complete
Device Custom String 4	Correlation-ID
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	Both ('The user connected to port ',%2,' has been disconnected because the authentication process did not complete within the required amount of time.')

Event 20255

ArcSight Field	Vendor Field
Name	Connection was prevented
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%2 (Protocol)
Source Port	%2 (Port)
Message	%4 (Message Text)

Event 20258

ArcSight Field	Vendor Field
Name	Account does not have Remote Access privilege
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The account for user ',%3,' connected on port ',%4,' does not have Remote Access privilege. The line has been disconnected.')

Event 20266

ArcSight Field	Vendor Field
Name	Successfully authenticated
Device Custom String 4	Correlation-ID
Source User Name	%3 (Connected User)
Source NT Domain	%3 (Domain of Connected User)

ArcSight Field	Vendor Field
Application Protocol	%4 (Protocol)
Source Port	%4 (Port)
Message	Both ('The user ',One of (%2,%3),' has connected and has been successfully authenticated on port ',One of (%3,%4),'. Data sent and received over this link is strongly encrypted.')

Event 20271

ArcSight Field	Vendor Field
Name	Failed an authentication attempt
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Source Address	%3 (Address)
Reason	%5 (Reason)
Message	%4 (Message Text)

Event 20272

ArcSight Field	Vendor Field
Name	User connected and disconnected
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Start Time	Both (%4, %5)
End Time	Both (%5, %6)
Device Custom Number 1	User active minutes
Device Custom Number 2	User active seconds
Bytes Out	%10 (Bytes Out)
Bytes In	%10 (Bytes In)

ArcSight Field	Vendor Field
Additional data	%12
Additional data	%13
Additional data	%14
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ on ‘,%4,’ at ‘,%5,’ and disconnected on ‘,%6,’ at ‘,%7,’. The user was active for ‘,%8,’ minutes, ‘,%9,’ seconds, ‘,%10,’ bytes were sent and ‘,%11,’ bytes were received. The reason for disconnecting was ‘,%12,. The tunnel used was ‘,%13,’. The quarantine state was ‘,%14,’.’)

Event 20274

ArcSight Field	Vendor Field
Name	User connected and has been assigned address
Device Custom String 4	Correlation-ID
Source User Name	%2 (Connected User)
Source NT Domain	%2 (Domain of Connected User)
Application Protocol	%3 (Protocol)
Source Port	%3 (Port)
Destination Address	%4 (Assigned Address)
Message	Both (‘The user ‘,%2,’ connected on port ‘,%3,’ has been assigned address ‘,%4’)

Event 20275

ArcSight Field	Vendor Field
Name	User disconnected
Device Custom String 4	Correlation-ID
Source Address	%2 (Address)
Message	Both (‘The user with ip address ‘,%2,’ has disconnected’)

Microsoft Windows WMI Activity Trace

Event 11

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	Microsoft Windows WMI Activity Trace
Name	WMI-Activity Query executed on Win23 BIOS
Device Custom String 1	ClientMachineFQDN
Device Custom String 3	CorrelationId
Device Custom String 4	IsLocal
Device Custom String 5	Operation
Device Custom Number 1	OperationId
Device Custom Number 2	GroupOperationId
Source Host Name	ClientMachine
Source User Name	User
Source Process Id	ClientProcessId
File Create Time	ClientProcessCreationTime
File Path	NamespaceName

Microsoft Windows WMI Anlaytics and Operation

This section has the following event mapping information:

Microsoft Windows WinRM Analytic

Event 6

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'

ArcSight Field	Vendor Field
Name	Creating WSMan Session
File Path	connection

Event 11

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	Creating WSMan Shell
File Id	shellId

Event 15

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	WSMan Command

Event 142

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	WSMan Operation Identify Failed
Device Action	operationName
Device Custom Number 3	errorCode
Device Custom Number 3 Label	Error Code

Event 161

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	WinRM Cannot Process The Request
Message	authFailureMessage

Event 162

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	Authenticating The User Failed

Event 169

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	The Message Resource Is Present But The Message Was Not Found In The Message Table
Destination User Name	username
Request Method	authenticationMechanism

Event 81

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	The Message Resource Is Present But The Message Was Not Found In The Message Table
Device Action	operationName

Event 82

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	The Message Resource Is Present But The Message Was Not Found In The Message Table
Device Action	operation
Request Url	resourceURI

Windows 2012

Event 788

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	Processing Client Request For Operation
Device Action	operationName

Event 789

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	The Plugin For Operation
Device Action	resourceUrl.

Event 1050

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'

ArcSight Field	Vendor Field
Name	Response For Operation
Device Action	operationName

Event 1295

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	'Windows Remote Management'
Name	User Authenticated Successfully
Destination User Name	username

Windows 2016, 2012, and 8

General

ArcSight Field	Vendor Field
Device Vendor	‘Microsoft’
Device Product	‘Microsoft Windows’
Device Custom String 4	Reason or Error Code

Event 4097

ArcSight Field	Vendor Field
Name	‘WINS initialized properly and is now fully operational’

Event 4098

ArcSight Field	Vendor Field
Name	‘WINS was terminated by the service controller’
Message	‘WINS will gracefully terminate’

Event 4119

ArcSight Field	Vendor Field
Name	'WINS received a packet that has the wrong format'

Event 4143

ArcSight Field	Vendor Field
Name	'WINS scavenged its records in the WINS database'
Message	'The number of records scavenged is given in the data section'

Event 4178

ArcSight Field	Vendor Field
Name	'The WINS Pull configuration key could not be created or opened'
Message	'Check to see if the permissions on the key are set properly, system resources are low, or the registry is having a problem'

Event 4179

ArcSight Field	Vendor Field
Name	'The WINS Push configuration key could not be created or opened'
Message	'Check to see if the permissions on the key are set properly, system resources are low, or the registry is having a problem'

Event 4180

ArcSight Field	Vendor Field
Name	'The WINS\\Parameters key could not be created or opened'
Message	'Check to see if the permissions on the key are set properly, system resources are low, or the registry is having a problem'

Event 4181

ArcSight Field	Vendor Field
Name	'# The subkey could not be created or opened'
Message	'This key should be there if you want WINS to do consistency checks on its database periodically. NOTE: Consistency checks have the potential of consuming large amounts of network bandwidth. Check to see if the permissions on the key are set properly, system resources are low, or the registry is having a problem'

Event 4224

ArcSight Field	Vendor Field
Name	'WINS encouintered a database error'
Message	'This may or may not be a serious error. WINS will try to recover from it'

Event 4252

ArcSight Field	Vendor Field
Name	'WINS did not find any subkeys under the Pull key'

Event 4253

ArcSight Field	Vendor Field
Name	'WINS did not find any subkeys under the Push key'

Event 4309

ArcSight Field	Vendor Field
Name	'System Resource Information'
Device Custom Number 1	Processor Count
Device Custom Number 2	Physical Memory
Device Custom Number 3	Memory available for allocation

Event 4318

ArcSight Field	Vendor Field
Name	'WINS could not start due to a missing or corrupt database'
Message	'Restore the database using WINS Manager (or winscl.exe found in the Windows 2000 Resource Kit) and restart WINS'

Event 4325

ArcSight Field	Vendor Field
Name	'WINS could not read the Initial Challenge Retry Interval from the registry'

Event 4326

ArcSight Field	Vendor Field
Name	'WINS could not read the Challenge Maximum Number of Retries from the registry'

Event 4329

ArcSight Field	Vendor Field
Name	'The WINS server has started a scavenging operation'

Event 4330

ArcSight Field	Vendor Field
Name	'The WINS server has completed the scavenging operation'

Event 4337

ArcSight Field	Vendor Field
Name	'WINS Server could not initialize security to allow the read-only operations'

Event 5001

ArcSight Field	Vendor Field
Name	'WINS is scavenging the locally owned records from the database'
Message	'The version number range that is scavenged is given in the data section, in the second to fifth words, in the order: from_version_number (low word, high word) to_version_number (low word, high word)'

Event 5002

ArcSight Field	Vendor Field
Name	'WINS is scavenging a chuck on N records in the version number range from X to Y'
Message	'N, X and Y (low word, high word for version numbers) are given in the second to sixth words in the data section'

Oracle Audit

The following section lists the mappings of ArcSight data fields to the device's specific event definitions:

Oracle Windows Event

General

ArcSight ESM Field	Device-Specific Field
Source Service Name	EventSource
Device Vendor	'Oracle'

Event 4

ArcSight ESM Field	Device-Specific Field
Device Custom String 3	Instance Name
Device Product	'Oracle'
Message	Both ('Initializing SGA for instance ',%1)
Name	'Initializing SGA for instance'

Event 5

ArcSight ESM Field	Device-Specific Field
Device Custom String 3	Instance Name
Device Product	'Oracle'
Message	'Both ('Initializing SGA for process ',%1,' in instance ',%2)
Name	'Initializing SGA for process in instance'
Destination Process Name	%1 (Destination Process Name)

Event 8

ArcSight ESM Field	Device-Specific Field
Device Custom String 3	Instance Name
Device Product	'Oracle'
Message	Both ('Shutdown normal performed on instance ',%1)
Name	'Shutdown normal performed on instance'

Event 12

ArcSight ESM Field	Device-Specific Field
Device Custom String 3	Instance Name
Device Product	'Oracle'
Message	Both ('All process in instance ',%1,' stopped')
Name	'All process in instance stopped'

Oracle Audit SYSDBA

Event 34

ArcSight ESM Field	Device-Specific Field
Destination Process Name	ProcessId
Destination User Name	DATABASE USER
Destination User Privileges	PRIVILEGE

ArcSight ESM Field	Device-Specific Field
Device Action	first word from ACTION
Device Custom Number 1	STATUS
Device Custom String 6	CLIENT TERMINAL
Device Event Class Id	first word of ACTION
Device External ID	DBID
Device Product	'ORACLESYSDBA'
Device Vendor	'ORACLE'
Message	first word from ACTION
Name	first word from ACTION
Source Host Name	CLIENT TERMINAL
Source User Name	CLIENT USER

Oracle Audit Trail

Event 34

ArcSight ESM Field	Device-Specific Field
Additional data	LOGOFF_DEAD
Additional data	LOGOFF_LREAD
Additional data	LOGOFF_LWRITE
Additional data	LOGOFF_PREAD
Additional data	OBJ_CREATOR
Additional data	SESSIONCPU
Additional data	SES_TID
Additional data	STATEMENT
Destination Host Name	USERHOST
Destination NT Domain	USERHOST
Destination Process Name	ProcessId
Destination User Name	USERID
Destination User Privileges	PRIV_USED
Device Action	ACTION

ArcSight ESM Field	Device-Specific Field
Device Custom Number 1	RETURNCODE
Device Custom Number 2	SESSIONID
Device Custom Number 3	ENTRYID
Device Custom String 1	COMMENT_TEXT
Device Custom String 2	TERMINAL
Device Custom String 4	SES_LABEL
Device Custom String 5	SES_ACTIONS
Device Event Class Id	ACTION
Device External ID	DBID
Device Product	'Oracle'
Device Severity	RETURNCODE
Device Vendor	'ORACLE'
File Name	Object name
Name	ACTION
Source Address	extracted IP address from SES_LABEL (will auto map to Source Host Name)
Source NT Domain	OSSUSERID
Source User Name	OS_USERID
Reason	RETURNCODE
Transport Protocol	PROTOCOL
Device Custom IPv6 Address 2	Source IPv6 Address
File Name	Name
Source Port	Port

Oracle Unified Audit Trail

Event 36

ArcSight ESM Field	Device-Specific Field
Device External ID	DBID
Device Custom Number 2	SESID

ArcSight ESM Field	Device-Specific Field
Device Custom Number 3	ENTRYID
Destination User Name	DBUSER
Source User Name	CURUSER
Device Action	ACTION
Name	ACTION
Device Custom Number 1	RETCODE
Reason	RETCODE
Device Event Class Id	ACTION
File Name	OBJNAME
Device Product	'Oracle'
Device Custom String 3	SCHEMA
Old File ID	CLIENTID

Symantec Mail Security Mappings

General

ArcSight Field	Vendor Field
Device Vendor	‘Symantec’
Device Product	‘MailSecurity for Microsoft Exchange’’

Managed Components

Event 0

ArcSight Field	Vendor Field
Name	‘Insufficient rightstoaccessthisapplication’

Management Service

Event 1

ArcSight Field	Vendor Field
Name	'Service'
Message	

Event 2

ArcSight Field	Vendor Field
Name	'Threat Event Feed'
Message	

Event 3

ArcSight Field	Vendor Field
Name	'Computer State Feed'
Message	

Event 4

ArcSight Field	Vendor Field
Device Action	‘Stopped’
Name	Service Stopped

Event 5

ArcSight Field	Vendor Field
Device Action	‘Started’
Name	Service started

Event 6

ArcSight Field	Vendor Field
Name	'Settings'
Message	

Event 7

ArcSight Field	Vendor Field
Name	'Unable toget Product Computer Key'

Event 8

ArcSight Field	Vendor Field
Name	'Server Feed'
Message	

Event 9

ArcSight Field	Vendor Field
DestinationService Name	‘SymantecMailSecurity Management’
Name	‘Waitingfor synchronization’
Message	‘Waitingfor synchronizationwithSymantecMailSecurity Management Service Plug-in’

Event 10

ArcSight Field	Vendor Field
Name	‘AchievedsynchronizationwithSymantecMailSecurity Management Service Plug-in’

Event 11

ArcSight Field	Vendor Field
Name	‘MonitoringSymantecMailSecurity Management Service Plug-in’

Event 12

ArcSight Field	Vendor Field
Name	‘SymantecMailSecurity Management Service Plug-inUnavailable’

Event 50

ArcSight Field	Vendor Field
Name	‘Threat Event FeedEnabled’

Event 51

ArcSight Field	Vendor Field
Name	‘Threat Event FeedDisabled’

Event 102, 152, 212

ArcSight Field	Vendor Field
Name	'Failedtoreadconfigurationfromregistry'
Message	'Registry=', 'Usingdefault value ='

Event 53

ArcSight Field	Vendor Field
Name	'Failedtoupdate the registry'
Message	

Event 54

ArcSight Field	Vendor Field
Name	'Unable toreaddatabase locationfromregistry'
Message	

Event 60

ArcSight Field	Vendor Field
Name	'Nodata available tosend'
Message	

Event 63

ArcSight Field	Vendor Field
Name	'FailedtoOpenThreat Event FeedRegistry Key'
Message	'CreatedNew Threat Event FeedRegistry Key'

Event 100

ArcSight Field	Vendor Field
Name	‘Computer State FeedEnabled’

Event 101

ArcSight Field	Vendor Field
Name	‘Computer State FeedDisabled’

Event 103

ArcSight Field	Vendor Field
Name	'Failedtoupdate the registry'

Event 104

ArcSight Field	Vendor Field
Name	'Unable toget VirusDefinitionVersion'
Message	

Event 105

ArcSight Field	Vendor Field
Name	'Computer State FeedSent'
Message	

Event 150

ArcSight Field	Vendor Field
Name	‘Computer Data FeedEnabled’

Event 151

ArcSight Field	Vendor Field
Name	‘Computer Data FeedDisabled’

Event 153

ArcSight Field	Vendor Field
Name	'Failedtoupdate the registry'
Message	

Event 154

ArcSight Field	Vendor Field
Name	'Unable toget OSDetails'
Message	

Event 155

ArcSight Field	Vendor Field
Name	'Unable toget Adapter Details'
Message	

Event 156

ArcSight Field	Vendor Field
Name	'Unable toget Machine Details'
Message	

Event 157

ArcSight Field	Vendor Field
Name	'Computer Data FeedSent'
Message	

Event 202

ArcSight Field	Vendor Field
Name	'NTEvent Logfull'
Message	'Unable torecordevents'

Event 203

ArcSight Field	Vendor Field
Name	'Failedtointialize Server Feed'
Message	

Event 204

ArcSight Field	Vendor Field
Name	'Unable toIntialize COM for Server Feed'
Message	

Event 205

ArcSight Field	Vendor Field
Name	‘Server FeedisDisabled’

Event 206

ArcSight Field	Vendor Field
Name	‘Server FeedisEnabled’
Message	

Event 207

ArcSight Field	Vendor Field
Name	'Unable toget SMSMSE Service StatusField'

Event 208

ArcSight Field	Vendor Field
Name	'Unable toget SMSMSE Service ScanStatusField'
Message	

Event 209

ArcSight Field	Vendor Field
Name	'Unable toget currently SMSMSE VirusDefinitionandRevisionField'
Message	

Event 210

ArcSight Field	Vendor Field
Name	'Server FeedSent'
Message	

Event 211

ArcSight Field	Vendor Field
Name	'Unable toget SMSMSE VirusDefintionLicence InformationField'
Message	

Event 213

ArcSight Field	Vendor Field
Name	'Unable toget SMSMSE Server Name Field'
Message	

Event 214

ArcSight Field	Vendor Field
Name	'Unable toget Exchange Server InstalledRolesField'
Message	

Event 215

ArcSight Field	Vendor Field
Name	'Unable toget InstalledSMSMSE VersionField'
Message	

Event 216

ArcSight Field	Vendor Field
Name	'Unable toget InstalledExchange VersionField'
Message	

Event 217

ArcSight Field	Vendor Field
Name	'Unable toget InstalledExchange DomainName Field'
Message	

Event 221

ArcSight Field	Vendor Field
Name	'Unable toget currently SMSMSE VirusRevisionField'
Message	

Microsoft Exchange

Event 1

ArcSight Field	Vendor Field
Name	'Auto-Protect'
Message	

Event 2

ArcSight Field	Vendor Field
Name	'LiveUpdate/RapidRelease'
Message	

Event 3

ArcSight Field	Vendor Field
Name	'ManualandScheduledScanning'
Message	

Event 4

ArcSight Field	Vendor Field
Device Action	‘enabled’
Name	‘Auto-Protect enabled’

Event 5

ArcSight Field	Vendor Field
Device Action	‘disabled’
Name	‘Auto-Protect disabled’

Event 6

ArcSight Field	Vendor Field
Name	'Auto-Protect optionschanged'
Message	

Event 7

ArcSight Field	Vendor Field
Name	'Settings'
Message	

Event 8

ArcSight Field	Vendor Field
Name	'VSAPI'
Message	

Event 9

ArcSight Field	Vendor Field
Name	'Error'
Message	

Event 14

ArcSight Field	Vendor Field
Name	‘StartedScan’
Message	Both(‘StartedScan: ‘,%1)

ArcSight Field	Vendor Field
Device Action	‘Started’
Device CustomString5	ScanType

Event 15

ArcSight Field	Vendor Field
Name	'Property Violation'
Message	

Event 16

ArcSight Field	Vendor Field
Name	'Unscannable'
Message	

Event 17

ArcSight Field	'Console Remote Install'
Name	'Console Remote Install'
Message	

Event 19

ArcSight Field	Vendor Field
Name	'Console LiveUpdate'
Message	

Event 20

ArcSight Field	Vendor Field
Name	'Heartbeat'
Message	

Event 21

ArcSight Field	Vendor Field
Name	‘stopped’
Message	

Event 22

ArcSight Field	Vendor Field
Name	‘Removedfilesfromquarantine’
Message	Both('Removed‘,%1,’ file(s)fromquarantine’)
Device Action	‘Removed’

Event 23

ArcSight Field	Vendor Field
Name	'Globaloptionschanged'
Message	

Event 24

ArcSight Field	Vendor Field
Name	'Reset scanningstatistics'
Message	

Event 25

ArcSight Field	Vendor Field
Device Action	‘Updated’

Event 26

ArcSight Field	Vendor Field
Name	'BackgroundScanning'
Message	

Event 28

ArcSight Field	Vendor Field
Name	'Service failedtostart'
Message	'Service failedtostart. Checkthe logfor other errors'

Event 29

ArcSight Field	Vendor Field
Name	'Unable torecordevents'
Message	'NTEvent Logfull.Unable torecordevents

Event 30

ArcSight Field	Vendor Field
Name	'VirusDefinitionsUpdate wassuccessful'
Message	'New virusdefinitionswere retrieved'

Event 31

ArcSight Field	Vendor Field
Name	'LiveUpdate hasdeterminedthat noupdate isnecessary'
Message	'Youalready have the most recent virusdefinitions'

Event 33

ArcSight Field	Vendor Field
Name	'LiveUpdate wassuccessful'
Message	'LiveUpdate wassuccessful. New virusdefinitionswere retrieved. A systemrestart is requiredtouse them'

Event 37

ArcSight Field	Vendor Field
Name	'Globaloptionschanged'
Message	

ArcSight ESM Field	Device-Specific Field
Name	'LiveUpdate wascanceled'
Message	

Event 41

ArcSight Field	Vendor Field
Name	'Globaloptionschanged'
Message	

ArcSight ESM Field	Device-Specific Field
Name	'Out ofMemory'
Message	

Event 43

ArcSight Field	Vendor Field
Name	'Globaloptionschanged'
Message	

ArcSight ESM Field	Device-Specific Field
Name	'Auto-Protect processfailedtostart'
Message	

Event 45

ArcSight Field	Vendor Field
Name	‘ScanEngine Failure’
Message	Both('Thiserror occurredwhile scanningthe attachment ‘,%4,’ ofmessage ‘,%3,’ locatedin ‘,%2’)
Reason	%1 (reasoncode)
File Path	%2 (file path)
File Name	%4 (file name)
File Type	‘attachment’
Additionaldata	%3 (subject)

Event 68

ArcSight Field	Vendor Field
Name	'Unable toinitialize ScanEngine'
Message	'The virusdefinitionsmay be missingor corrupt. Performa LiveUpdate toretrieve the latest virusdefintions'

Event 70

ArcSight Field	Vendor Field
Name	'The temporary directory specifiedinthe registry value TempFileDir isinvalid'
Message	

Event 71

ArcSight Field	Vendor Field
Name	'LiveUpdate retrievednew filesbut the virusdefinitionscouldnot be updated'
Message	

Event 74

ArcSight Field	Vendor Field
Name	'Service cannot start since the service hasalready beenstarted'
Message	

Event 75

ArcSight Field	Vendor Field
Name	'A seriousproblemwithevent logginghasoccurredbut the service stillstarted'
Message	

Event 76

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	'Service cannot start due tothe programsettingscouldnot be obtainedor isinvalid'

Event 77

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	'Service cannot start due tolow memory conditions'

Event 78

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	'Service cannot start due toproblemswithvirusscanningstatistics'

Event 79

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	'Service cannot start since the NTaccount specifiedisnot anExchange Administrator. Checkthe account usedin'Services'ControlPanelapplet andverify that the account has Administrator rights'

Event 80

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	'Service cannot start since due the inability tomonitor mailboxesand/or publicfolders'

Event 81

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	'Service cannot start due tothe inability tologontothe Exchange Server'

Event 82

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	'Service cannot start due tothe inability tocreate some SMSMSE objects'

Event 83

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	‘Service cannot start due toproblemswithMicrosoft Exchange'spublicfolders’

Event 84

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	‘Service cannot start due tothe inability toobtaina list ofmailboxes’

Event 85

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	‘Service cannot start since the Auto-Protect processcouldnot be started’

Event 86

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	‘Service cannot start due tothe inability tologontomailboxes’

Event 87

ArcSight Field	Vendor Field
Name	'Service cannot start'
Message	‘Service cannot start due toproblemsstartingthe SMSMSE engine’

Event 92

ArcSight Field	Vendor Field
Name	‘The scanjobwasstopped’
Device Action	‘Stopped’

Event 95

ArcSight Field	Vendor Field
Name	'Scanoptionschanged'
Message	

Event 98

ArcSight Field	Vendor Field
Device Action	‘Completed’
Name	‘CompletedScan’
Message	Both(‘CompletedScan: ‘,%1,’ Violations: ‘,%3,’ LogOnly: ‘,%4,’ Quarantine attachment/message body: ‘,%7,’ Delete attachment/message body: ‘,%8,’ Delete message: ‘,%9,’ Take noaction: ‘,%10)
Device CustomString5	ScanType
Additionaldata	numViolation
Additionaldata	logOnly
Additionaldata	numQuanrantine
Additionaldata	numDeleteAttachmentAndMessageBody
Additionaldata	numDeleteMessage
Additionaldata	numRepairAttchmentAndMessageBody
Additionaldata	numTakeNoAction

Event 99

ArcSight Field	Vendor Field
Name	'InterruptedScan'
Message	Both('InterruptedScan: ',%1,"Violations: ',%3,' LogOnly: ',%4,' Quarantine attachment/message body: ',%7,' Delete attachment/message body: ',%8,' Delete message: ',%9,' Take noaction: ',%10)
Device Action	'Interrupted'
Device CustomString5	ScanType
Additionaldata	numViolation
Additionaldata	logOnly
Additionaldata	numQuanrantine
Additionaldata	numDeleteAttachmentAndMessageBody
Additionaldata	numDeleteMessage
Additionaldata	numTakeNoAction

Event 107

ArcSight Field	Vendor Field
Name	'Service started'
Device Action	'started'
Device CustomStirng2	Product Version

Event 110

ArcSight Field	Vendor Field
Name	'A processfailedtostart'
Message	Both('The process',%1,' failedtostart (',%2,')')
DestinationService Name	%1 (service name)
Reason	%2 (reasoncode)

Event 111

ArcSight Field	Vendor Field
Name	'Update ofinformationinheader offile failed'
Message	'Update ofinformationinheader offile faileddue torevisionclash'

Event 112

ArcSight Field	Vendor Field
Name	'EncryptedFile Header wasInvalidandcouldnot be read'
Message	

Event 113

ArcSight Field	Vendor Field
Name	'DeletionofQuarantinedfile failed'
Message	

Event 114

ArcSight Field	Vendor Field
Name	'Couldnot restore quarantinedfile'
Message	

Event 115

ArcSight Field	Vendor Field
Name	'Quarantinedfile containsheader fromolder versionofSMSMSE'
Message	

Event 116

ArcSight Field	Vendor Field
Name	'File decryptionfailed'
Message	

Event 117

ArcSight Field	Vendor Field
Name	'File encryptionfailed'
Message	

Event 118

ArcSight Field	Vendor Field
Name	'SAVFMSELinkpacket size doesnot matchdeclaredsize'
Message	

Event 119

ArcSight Field	Vendor Field
Name	'SAVFMSELinkpacket istoolarge'
Message	

Event 120

ArcSight Field	Vendor Field
Name	'The interface doesnot match'
Message	

Event 121

ArcSight Field	Vendor Field
Name	'The functionaskedfor isunknownor unsupported'
Message	

Event 122

ArcSight Field	Vendor Field
Name	'The data size isnot consistent withitsintendeduse'
Message	

Event 123

ArcSight Field	Vendor Field
Name	'The stringdata isnot consistent withitsintendeduse'
Message	

Event 124

ArcSight Field	Vendor Field
Name	'The suppliedbuffer istoosmallfor thisoperation'
Message	

Event 125

ArcSight Field	Vendor Field
Name	'The operationsucceededbut returnedanunexpectedresponse'
Message	

Event 126

ArcSight Field	Vendor Field
Name	'The file couldnot be written'
Message	

Event 127

ArcSight Field	Vendor Field
Name	'Internallogicerror'
Message	

Event 128

ArcSight Field	Vendor Field
Name	'Aninvalidconfigurationsettingisinuse'
Message	

Event 129

ArcSight Field	Vendor Field
Name	'The namedpipedcouldnot be opened'
Message	

Event 130

ArcSight Field	Vendor Field
Name	'The error occurredreceivinga connectiontothe namedpipe'
Message	

Event 131

ArcSight Field	Vendor Field
Name	'The error occurredflushingthe contentsofthe pipe'
Message	

Event 132

ArcSight Field	Vendor Field
Name	'The error occurreddisconnectingfromthe pipe'
Message	

Event 133

ArcSight Field	Vendor Field
Name	'The error occurredwritingtothe pipe'
Message	

Event 134

ArcSight Field	Vendor Field
Name	'The error occurredreadingfromthe pipe'
Message	

Event 135

ArcSight Field	Vendor Field
Name	'A timeout occurredwaitingfor a response fromthe pipe'
Message	

Event 136

ArcSight Field	Vendor Field
Name	'A threadcouldnot be created'
Message	

Event 137

ArcSight Field	Vendor Field
Name	'A threaddidnot endasexpected'
Message	

Event 138

ArcSight Field	Vendor Field
Name	‘The processcouldnot be started’
Message	

Event 139

ArcSight Field	Vendor Field
Name	'The processwasforcibly terminated'
Message	

Event 140

ArcSight Field	Vendor Field
Name	'The processcouldnot be stopped'
Message	

Event 141

ArcSight Field	Vendor Field
Name	'The scanengine causedanexception'
Message	

Event 142

ArcSight Field	Vendor Field
Name	'The scanengine didnot returnany resultsfor the scan'
Message	

Event 143

ArcSight Field	Vendor Field
Name	'The scanengine returnedanerror'
Message	

Event 144

ArcSight Field	Vendor Field
Name	'The processhasinitiateda shutdown'
Message	

Event 160

ArcSight Field	Vendor Field
Name	'The scancompletedbut errorswere returned'
Message	

Event 161

ArcSight Field	Vendor Field
Name	'InternalError'
Message	‘SAVFMSEVSAPI.DLL InternalError. Anexceptionoccurredcalling JetGetTableColumnInfo’

Event 162

ArcSight Field	Vendor Field
Name	'InternalError'
Message	‘SAVFMSEVSAPI.DLL InternalError. AnexceptionoccurredcallingJetRetrieveColumn\’

Event 163

ArcSight Field	Vendor Field
Name	‘Auto-Protect enabled’
Device Action	‘enabled’

Event 164

ArcSight Field	Vendor Field
Name	‘Auto-Protect disabled’
Device Action	‘disabled’

Event 167

ArcSight Field	Vendor Field
Name	‘A processterminatedunexpectedly’
Message	Both(‘The process‘,%1,”terminatedunexpectedly’)
DestinationService Name	%1 (service name)
Device Action	‘terminated’

Event 168

ArcSight Field	Vendor Field
Name	‘A processwasrestarted’
Message	Both(‘The process‘,%12,’ wasrestarted’)
DestinationService Name	%1 (service name)
Device Action	‘restarted’

Event 177

ArcSight Field	Vendor Field
Name	'SymantecMailSecurity for Microsoft Exchange isrunninginanAuto-Protect mode that usesthe Microsoft VirusScanningAPI (VSAPI)'
Message	‘The versionofMicrosoft'sExchange InformationStore installedhasa seriousbugwhen usingthisAPI.Youshoulduse version5.5.2651.76 or later.The Exchange information store willnot release handlesproperly andSSSfor Microsoft Exchange andExchange InformationStore willexperience problemsafter severaldaysofoperation. (See SAVFMSE’sReadMe.TXTfor more informationandMicrosoft Knowledge Base article Q248838 for the latest fixestoService Pack3.)’

Event 178

ArcSight Field	Vendor Field
Name	'Anerror wasreturnedfromDAPI'
Message	

Event 179

ArcSight Field	Vendor Field
Name	'The mailbox couldnot be created'
Message	‘The mailbox couldnot be createdbecause it already exists’

Event 180

ArcSight Field	Vendor Field
Name	'The mailbox couldnot be createdthe server specifieddoesnot have a private store'
Message	

Event 181

ArcSight Field	Vendor Field
Name	'The service willbe shutdown'
Message	‘The service willbe shutdowndue toanunexpectedresult froma systemcall’

Event 182

ArcSight Field	Vendor Field
Name	'The service willbe shutdown'
Message	‘The service willbe shutdowndue toanunexpectedfailure waitingfor Microsoft Exchange tostart’

Event 183

ArcSight Field	Vendor Field
Name	'The service willbe shutdown'
Message	‘The service willbe shutdowndue toanunexpectedfailure monitoringthe MSExchangeIS service’

Event 184

ArcSight Field	Vendor Field
Name	'The service willbe shutdown'
Message	The service willbe shutdowndue toanunexpectedresult froma systemcall

Event 185

ArcSight Field	Vendor Field
Name	'The service willbe shutdown'
Message	‘The service willbe shutdowndue toanunexpectedfailure initializingvirusprotection’

Event 186

ArcSight Field	Vendor Field
Name	'The service willbe shutdown'
Message	‘A timeout occurredwhile waitingfor Microsoft Exchange toinitialize the VSAPI interface’

Event 187

ArcSight Field	Vendor Field
Name	'The service willbe shutdown'
Message	‘The service willbe shutdowndue toanunexpectedshutdownofthe SAVFMSECTRL process’

Event 188

ArcSight Field	Vendor Field
Name	'MAPI support for the Exchange publicfolderscouldnot be initialized'
Message	

Event 189

ArcSight Field	Vendor Field
Name	'The publicinformationstore hasnot beenmounted'
Message	

Event 190

ArcSight Field	Vendor Field
Name	'The list ofpublicinformationstoresisempty'
Message	

Event 196

ArcSight Field	Vendor Field
Name	'Cannot rename Standardpolicy'
Message	

Event 198

ArcSight Field	Vendor Field
Name	‘The policy or subpolicy isdisabled’
Device Action	‘Disabled’

Event 200

ArcSight Field	Vendor Field
Name	‘Content filter engine started’
Device Action	‘Started’

Event 201

ArcSight Field	Vendor Field
Name	‘Content filter engine stopped’
Device Action	‘Stopped’

Event 205

ArcSight Field	Vendor Field
Name	'Content filter engine failedtoshutdownproperly’
Message	

Event 206

ArcSight Field	Vendor Field
Name	'A content filter error occurredwhile analyzinga message body'
Message	

Event 207

ArcSight Field	Vendor Field
Name	'A content filter error occurredwhile attemptingtoget the categories'
Message	

Event 208

ArcSight Field	Vendor Field
Name	'Nocategorieswere selectedfor content filtering'
Message	

Event 209

ArcSight Field	Vendor Field
Name	'The Content Filter optionisdisabled'
Message	

Event 210

ArcSight Field	Vendor Field
Name	'Content Filter policiesare disabled'
Message	

Event 211

ArcSight Field	Vendor Field
Name	'Content Filter Policy invalid'
Message	‘Missingaction’

Event 212

ArcSight Field	Vendor Field
Name	'Property policy applied'
Message	

Event 213

ArcSight Field	Vendor Field
Name	'Anerror occurredinthe MMCBrowser'
Message	‘Checkthe event logfor further details’

Event 215

ArcSight Field	Vendor Field
Name	‘Anattachment hasviolated’
Message	%5 (message text)

ArcSight Field	Vendor Field
File Name	%2 (name ofattachedfile)
File Type	%1 (attachment file type)
File Path	%3 (pathtoattachment)
Device CustomString1	Virusname
Device CustomString4	Rule Name
Device CustomString5	ScanType
Device CustomString6	Policy Settings
Additionaldata	subject
Device Action	Actiononattachment

Event 219

ArcSight Field	Vendor Field
Name	‘Anoutbreakconditionwasdetected’
Message	Both(‘OutbreakRule Information: ‘,%1,’ Threesholdvalue for thisrule is: ‘,%2,’ Current level for thisrule is: ‘,%3’)
Device CustomString6	OutbreakRule Information
Device CustomString4	Rule Name
Additionaldata	thresholdValue
Additionaldata	currentLevel

Event 220

ArcSight Field	Vendor Field
Name	'Anerror occurredwhile attemptingtoobtainthe current virusdefinitionsversiononthis machine'
Message	

Event 221

ArcSight Field	Vendor Field
Name	'Anerror occurredwithLiveUpdate'
Message	‘Checkthe event logfor further details’

Event 222

ArcSight Field	Vendor Field
Name	'The iddoesnot matchany current commandrequests'
Message	

Event 223

ArcSight Field	Vendor Field
Name	'The commandrequest isnot yet complete'
Message	
Message	'Response topacket = [bytesout]receivedfromserver [bytesin]. Result code = [reason code].New Status: ', 'Id='

Event 229

ArcSight Field	Vendor Field
Name	'The Report Name already exists'
Message	

Event 230

ArcSight Field	Vendor Field
Name	'ReportingConfigEncounteredanerror withthe Registry'
Message	

Event 231

ArcSight Field	Vendor Field
Name	'ReportingConfigEncounteredanerror withthe Registry'
Message	

Event 232

ArcSight Field	Vendor Field
Name	'Anerror occurredwhenprocessingproduct file updatessent fromconsole'
Message	

Event 234

ArcSight Field	Vendor Field
Name	'DeletionofBackupfile failed'
Message	

Event 240

ArcSight Field	Vendor Field
Name	'SESA initializationfailed'
Message	‘Eventswillnot be loggedtoSESA’

Event 242

ArcSight Field	Vendor Field
Name	'XML data ismissingor invalidor corrupt'
Message	

Event 243

ArcSight Field	Vendor Field
Name	'XML cannot be loaded-data iscorrupt or XML Parser not available'
Message	

Event 246

ArcSight Field	Vendor Field
Name	'Dictionary filesfailedtoload'
Message	

Event 260

ArcSight Field	Vendor Field
Name	'The content filter engine isalready initialized'
Message	

Event 261

ArcSight Field	Vendor Field
Name	'The content filter attemptedanundefined/illegalaction'
Message	

Event 262

ArcSight Field	Vendor Field
Name	'Anerror occurredmodifyingsome or allsettingsonserver'
Message	

Event 264

ArcSight Field	Vendor Field
Name	'The requestedcommandisnot implementedonthe server'
Message	

Event 266

ArcSight Field	Vendor Field
Name	'Unable toobtainvirusdefinitionset version'
Message	‘RunLiveUpdate toobtainor repair these files’

Event 267

ArcSight Field	Vendor Field
Name	'Timeout reachedwaitingfor a Heartbeat message toarrive'
Message	

Event 268

ArcSight Field	Vendor Field
Name	'The SMTPservice isnot runningor not responding'
Message	‘Thisservice isnecessary for the Heartbeat, andfor alle-mailnotifications’

Event 269

ArcSight Field	Vendor Field
Name	'Unexpectedattachment contentswere foundina Heartbeat message'
Message	

Event 270

ArcSight Field	Vendor Field
Name	'Unable tovalidate the Heartbeat Mailbox'
Message	

Event 271

ArcSight Field	Vendor Field
Name	'AutoProtect isnot enabled'
Message	

Event 272

ArcSight Field	Vendor Field
Name	'The VSAPI dllisnot loadedor isinaninvalidstate'
Message	

Event 273

ArcSight Field	Vendor Field
Name	'The Exchange InformationStore isnot running, or isnot loaded'
Message	

Event 274

ArcSight Field	Vendor Field
Name	'The internalCtrlprocessisnot runningor isnot available totake commands'
Message	

Event 275

ArcSight Field	Vendor Field
Name	'AnUnexpectederror hasoccurred'
Message	

Event 279

ArcSight Field	Vendor Field
Name	'The server hasnot respondedwithstatusoflast request'
Message	‘The request may not have executedsuccessfully’

Event 280

ArcSight Field	Vendor Field
Name	‘SMSMSE ‘ ‘ saved’
Source User Name	user name (fromNTUser)
Source NTDomain	domain(fromNTDomain)

Event 281

ArcSight Field	Vendor Field
Name	'Unable tosave SAVFMSE settings'
Message	

Event 283

ArcSight Field	Vendor Field
Name	‘Anerror hasoccurredtryingtosendanemailnotification’
Message	%1 (The error occurredwhile sendingscanevent notificationstoadministrators)
Reason	%2 (0x80004005)

Event 284

ArcSight Field	Vendor Field
Name	'A criticalfailure occurredwhile attemptingtouse SymantecVirusDefinitions'
Message	

Event 291

ArcSight Field	Vendor Field
Name	‘A message hasviolated’
Message	%5 (The attachment ‘QuarantinedAttachment.txt’ wasQuarantinedfor the following reason(s): A FilteringRule wasviolated.)
File Path	%3 (User1/Sent Items)
File Name	%2 (fwef)

ArcSight Field	Vendor Field
File Type	%1 (message)
Device CustomString6	Policy Settings
Device CustomString5	ScanType
Device CustomString4	Rule Name
Device Action	Both(%5,',*was(.*)for.*')

Event 292

ArcSight Field	Vendor Field
Name	'Virusdefinitionandcontent license are gettingexpire'
Message	'Virusdefinitionandcontent license for SymantecMailSecurity for Microsoft Exchange on server [host name]willexpire on[Expiry Date]'
DestinationHost Name	host name
Device CustomDate 1	Expiry Date

Event 293

ArcSight Field	Vendor Field
Name	'Virusdefinitionandcontent license hasexprired, isdamagedor isnot installed'
Message	'Virusdefinitionandcontent license for SymantecMailSecurity for Microsoft Exchange on server [host name]hasexpired, isdamaged, or isnot installed.'
DestinationHost Name	%1 (N15-195-H2140)

Event 295

ArcSight Field	Vendor Field
Name	'Virusdefinitionscannot be updatedbecause your content license hasexpired, is damaged, or isnot installed'
Message	

Event 296

ArcSight Field	Vendor Field
Name	'Unable toapply virusdefinitionupdatessent fromconsole because content license is expired, damagedor not installed'
Message	

Event 297

ArcSight Field	Vendor Field
Name	'Unable toinstalllicense file because the file isdamaged, invalid, or expired'
Message	

Event 298

ArcSight Field	Vendor Field
Name	'Unable toinstalllicense file sent fromconsole because the file isinvalid'
Message	

Event 301

ArcSight Field	Vendor Field
Name	'Unable tologeventstoSESA because noIPaddressisset for the SESA server'
Message	

Event 304

ArcSight Field	Vendor Field
Name	'Heartbeat succeeded'
Message	

Event 307

ArcSight Field	Vendor Field
Name	'Virusdefinitionscannot be updatedbecause your content license hasexpiredisdamaged or isnot installed'
Message	‘Decomposerswere successfully updated’

Event 308

ArcSight Field	Vendor Field
Name	'Virusdefinitionscannot be updatedbecause your content license hasexpiredisdamaged or isnot installed'
Message	‘Decomposerswere successfully updated. A systemrestart isrequiredtouse them’

Event 309

ArcSight Field	Vendor Field
Name	'Virusdefinitionscannot be updatedbecause your content license hasexpiredisdamaged or isnot installed'
Message	‘Youalready have the most recent decomposers’

Event 310

ArcSight Field	Vendor Field
Name	'LiveUpdate wassuccessful'
Message	‘New virusdefinitionsanddecomposerswere retrieved’

Event 311

ArcSight Field	Vendor Field
Name	'LiveUpdate wassuccessful'
Message	‘New virusdefinitionsanddecomposerswere retrieved. A systemrestart isrequiredtouse them’

Event 312

ArcSight Field	Vendor Field
Name	'LiveUpdate wassuccessful'
Message	‘New virusdefinitionswere retrieved.Youalready have the most recent decomposers’

Event 313

ArcSight Field	Vendor Field
Name	'LiveUpdate retrievednew filesbut the virusdefinitionscouldnot be updated'
Message	‘Decomposerswere successfully updated’

Event 314

ArcSight Field	Vendor Field
Name	'LiveUpdate retrievednew filesbut the virusdefinitionscouldnot be updated'
Message	‘Decomposerswere successfully updated.A systemrestart isrequiredtouse them’

Event 315

ArcSight Field	Vendor Field
Name	'LiveUpdate retrievednew filesbut the virusdefinitionscouldnot be updated'
Message	‘Youalready have the most recent decomposers’

Event 316

ArcSight Field	Vendor Field
Name	'LiveUpdate wassuccessful'
Message	‘New virusdefinitionswere retrieved.A systemrestart isrequiredtouse them. You already have the most recent decomposers’

Event 317

ArcSight Field	Vendor Field
Name	'LiveUpdate wassuccessful'
Message	‘New decomposerswere retrieved.Youalready have the most recent virusdefinitions’

Event 318

ArcSight Field	Vendor Field
Name	'LiveUpdate wassuccessful'
Message	‘New decomposerswere retrieved.A systemrestart isrequiredtouse them. Youalready have the most recent virusdefinitions’

Event 319

ArcSight Field	Vendor Field
Name	'LiveUpdate hasdeterminedthat noupdate isnecessary'
Message	‘Youalready have the most recent virusdefinitionsanddecomposers’

Event 320

ArcSight Field	Vendor Field
Name	'The SymantecMailSecurity for Microsoft Exchange Vulnerability Assessment scanwas started'
Message	

Event 321

ArcSight Field	Vendor Field
Name	'The SymantecMailSecurity for Microsoft Exchange Vulnerability Assessment scanwas completed'
Message	

Event 322

ArcSight Field	Vendor Field
Name	'The SymantecMailSecurity for Microsoft Exchange Vulnerability Assessment scan abnormally terminated'
Message	

Event 323

ArcSight Field	Vendor Field
Name	'Attempt tologevent toSESA failedbecause the SESA agent queue isfull'
Message	‘Once the queue isclearedeventswillstart loggingtoSESA again’

Event 326

ArcSight Field	Vendor Field
Name	'Failedtoloadheuristicanti-spamengine'
Message	‘SPAM.DATand/or SPAM.NETfilesmay be missingor corrupt’

Event 330

ArcSight Field	Vendor Field
Name	‘Anoutbreakconditionisstillbeingdetected’
Device CustomString4	Rule Name
Device CustomString6	OutbreakRule Information

ArcSight Field	Vendor Field
Additionaldata	subject
Additionaldata	thresholdValue
Additionaldata	currentLevel

Event 331

ArcSight Field	Vendor Field
Name	'A service started'
DestinationService Name	'SymantecMailSecurity Utility Service'
Device Action	'Started'

Event 332

ArcSight Field	Vendor Field
Name	'A service stopped'
DestinationService Name	'SymantecMailSecurity Utility Service'
Device Action	'Stopped'

Event 333

ArcSight Field	Vendor Field
Name	'SymantecMailSecurity Utility Service couldnot openservice manager'
Message	

Event 334

ArcSight Field	Vendor Field
Name	'SymantecMailSecurity Utility Service couldnot create service'
Message	

Event 335

ArcSight Field	Vendor Field
Name	'SymantecMailSecurity Utility Service couldnot openservice'
Message	

Event 336

ArcSight Field	Vendor Field
Name	‘SymantecMailSecurity Utility Service couldnot start’
Message	

Event 337

ArcSight Field	Vendor Field
Name	‘SymantecMailSecurity Utility Service badservice request’
Message	

Event 338

ArcSight Field	Vendor Field
Name	‘SymantecMailSecurity Utility Service couldnot be deleted’
Message	

Event 339

ArcSight Field	Vendor Field
Name	‘SymantecMailSecurity Utility Service handler not installed’
Message	

Event 341

ArcSight Field	Vendor Field
Name	'FailedtoloadSymantecPremiumAntiSpamengine'
Message	

Event 344

ArcSight Field	Vendor Field
Name	‘SymantecPremiumAntiSpamlicense hasexpired, isdamagedor isnot installed’
Message	(‘SymantecPremiumAntiSpamlicense for SymantecMailSecurity for Microsoft Exchange onserver ‘,%1,’ hasexpired, isdamaged, or isnot installed’)

ArcSight Field	Vendor Field
DestinationHost Name	host name

Event 345

ArcSight Field	Vendor Field
Name	‘SymantecPremiumAntiSpamlicense isgettingexpire’
Message	(‘SymantecPremiumAntiSpamlicense for SymantecMailSecurity for Microsoft Exchange onserver ‘,%1,’ willexpire on‘,%2’)
Device Host Name	%1 (host name)
Device CustomDate 1	%2 (Expiry date)

Event 347

ArcSight Field	Vendor Field
Name	'InvalidSymantecPremiumAntiSpamlicense or SymantecPremiumAntiSpamlicense has expired'
Message	

Event 349

ArcSight Field	Vendor Field
Name	'HeuristicAntispamsettingscannot be savedbecause SymantecPremiumAntiSpamis currently installed'
Message	

Event 350

ArcSight Field	Vendor Field
Name	'Unable toinstalllicense file sent fromconsole because the file isexpired'
Message	

Event 351

ArcSight Field	Vendor Field
Name	'AnexternalAnti-virussolutionisscanningemailtrafficmeant for Exchange'
Message	‘Ifthiscontinuesyour Exchange server couldbecome corrupt.See helpfor how toexclude SMSMSE directories’

Event 356

ArcSight Field	Vendor Field
Name	'Heartbeat message wasalready scannedanddeletedby anexternalscanengine'
Message	'Exclude SMSMSE directoriesfromfuture scans. See helpfor how toexclude SMSMSE directories.(unused),

Event 358

ArcSight Field	Vendor Field
Name	‘Server wasnot able toreceive RapidRelease VirusDefinitionupdate’
Message	‘Server ‘,%1(N15-H72),’ wasnot able toreceive RapidRelease VirusDefinitionupdate due toanFTPfailure’
DestinationHost Name	%1 (host name)
ApplicationProtocol	‘FTP’

Event 365

ArcSight Field	Vendor Field
Name	'Internalerror: Failedtoretrieve message properties'
Message	‘Content filtering, scanningstatisticsandmessage violationloggingmay be affected’

Event 366

ArcSight Field	Vendor Field
Name	‘BuildingActive Directory User GroupTable Started'
Device Action	‘Started’

Event 367

ArcSight Field	Vendor Field
Name	‘BuildingActive Directory User GroupTable CompletedSuccessfully'
Message	

Event 368

ArcSight Field	Vendor Field
Name	‘BuildingActive Directory User GroupTable Failed'
Message	

Event 369

ArcSight Field	Vendor Field
Name	Scanprocessfailedtoreduce privileges'
Message	

Event 370

ArcSight Field	Vendor Field
Name	‘Failedtoretrieve settingsfromthe sharedstorage location'
Message	

Event 371

ArcSight Field	Vendor Field
Name	‘Failedtosave settingtothe sharedstorage location'
Message	

Event 372

ArcSight Field	Vendor Field
Name	‘Anerror occurredwhenprocessingrecipientslist for releasingquarantine item(s)by mail'
Message	

Event 373

ArcSight Field	Vendor Field
Name	‘Unable tovalidate Recipient Mailbox'
Message	

Event 374

ArcSight Field	Vendor Field
Name	‘Anerror occurredwhencreatinga folder specifiedfor the Save tofolder setting'
Message	

Event 375

ArcSight Field	Vendor Field
Name	‘SMSMSE service isnot started'
Message	

Event 376

ArcSight Field	Vendor Field
Name	‘SMSMSE service isstarting'
Message	‘Please try againonce it isstarted’

Event 377

ArcSight Field	Vendor Field
Name	‘SMSMSE service isstopping’
Message	

Event 379

ArcSight Field	Vendor Field
Name	‘VSAPI scheduledbackgroundscanninghasbeenenabled’
Device Action	‘enabled’
Device CustomString5	‘VSAPI’ (ScanType)

Event 380

ArcSight Field	Vendor Field
Name	‘VSAPI scheduledbackgroundscanninghasbeendisabled’
Device Action	‘disabled’
Device CustomString5	‘VSAPI’ (ScanType))

Event 381

ArcSight Field	Vendor Field
Device Action	%1 (actiontaken)
Device CustomString4	Rule Name
Device CustomString5	ScanType
Name	‘The message locatedinSMTPhasviolateda policy’
Message	%1 (message text)

Event 382

ArcSight Field	Vendor Field
Name	name

Event 384

ArcSight Field	Vendor Field
Name	‘Releasedfilesfromquarantine tofile’
Device Action	‘Released’
Additionaldata	numFile
Message	‘Released[number offiles]file(s)fromquarantine tofile’

Event 385

ArcSight Field	Vendor Field
Name	‘The WindowsTaskScheduler service isnot running'
Message	‘Please start the WindowsTaskScheduler service andthensave your changes’

Event 386

ArcSight Field	Vendor Field
Name	‘The WindowsTaskScheduler service isnot running'
Message	‘Start the WindowsTaskScheduler service andthenapply the scheduledscansettings’

Event 387

ArcSight Field	Vendor Field
Name	‘The WindowsTaskScheduler service isnot running'
Message	‘Start the WindowsTaskScheduler service andthenapply the scheduledLiveUpdate settings’

Event 388

ArcSight Field	Vendor Field
Name	‘The WindowsTaskScheduler service isnot running'
Message	‘MailSecurity cannot generate scheduledreportsuntilthe service isstarted. Start the WindowsTaskScheduler service, andMailSecurity willgenerate scheduledreports’

Event 389

ArcSight Field	Vendor Field
Name	‘Unable tocopythe license file'
Message	‘Unable tocopy the SymantecPremiumAntiSpamlicense file tolicensesfolder’

Event 390

ArcSight Field	Vendor Field
Name	'SymantecMailSecurity hasfailedtore-initialize the PremiumAntiSpamengine'
Message	'Ifthere are any new spamdefinitions, they wouldnot be usedduringantispamprocessing'

Event 391

ArcSight Field	Vendor Field
Name	'The SymantecMailSecurity Utility service isnot running'
Message	'Thisservice isnecessary toprotect the Microsoft Exchange Server fromspam. Please restart the service tocontinue toprovide support for SymantecPremiumAntiSpam'
DestinationService Name	'The SymantecMailSecurity Utility'

Event 401

ArcSight Field	Vendor Field
Name	'Failedtoinitialize AV scanner'
Message	'The virusdefinitionsare either missingor corrupt'
Reason	%1 (reasoncode)

Event 404

ArcSight Field	Vendor Field
Name	'Virusdefinitionsare old'
Message	'Virusdefinitionsare ',%1(2),' daysold. Toremainprotectedensure that Liveupdate is workingproperly.'
Request URL	%2 (URL)

Event 405

ArcSight Field	Vendor Field
Name	'BackgroundScanofallStore databasescompleted'
Message	'BackgroundScanofallStore databasescompletedinhours(s)andminute(s). Totalitems were scannedfromthe start ofscanning'
Additionaldata	numScanned
Device CustomString5	'BackgroundScan' (ScanType)

Event 406

ArcSight Field	Vendor Field
Name	‘BackgroundScanningispaused’
Message	‘Either scanwindow isover or scanisdisabled. Totalitemsare scannedfromthe start of scanning’
Device Action	‘paused’

Event 409

ArcSight Field	Vendor Field
Name	‘Failedtoinitialize AV Engine’
Reason	Error code

Event 410

ArcSight Field	Vendor Field
Name	‘Failedtoinitialize AV Engine’
Message	‘Failedtoinitialize AV Engine duringRequestImmediateUpdateEx’

Event 411

ArcSight Field	Vendor Field
Name	‘Failedtosave Quarantine server settings'
Message	‘Failedtosave Quarantine server settings, Server addressspecifiedby user isa Broadcast address’

Event 412

ArcSight Field	Vendor Field
Name	‘SymantecPremiumAntiSpamregistrationfailedonthe server’
Message	%2 (Unable tocommunicate withSymantectoregister. Please checkyour connection settings, andtry agiain.)
DestinationHost Name	host name

ArcSight ESM Field	Device-Specific Field
Name	‘SymantecPremiumAntiSpamregistrationfailedonthe server’

Message	%2 (Unable tocommunicate withSymantectoregister. Please checkyour connection settings, andtry agiain.)
DestinationHost Name	host name

Event 414

ArcSight Field	Vendor Field
Name	'SymantecPremiumAntiSpamregistrationfailedonthe server'
Message	%2 ('Unable tocommunicate withSymantectoregister. Please checkyour connection settings, andtry again.)
DestinationHost Name	%1 (hostname)

Event Mappings

This section contains the following topics:

Windows Common Security Mappings

The following security event mappings generally apply to all Windows Server 2012, Windows Server 2016, and Windows 10 Windows Event Log Security Events.

ArcSight ESM Field	Device-Specific Field
Agent (Connector) Severity	Medium when Device Severity = Error or Warning; Low when Device Severity = Information or Audit_success
Destination Host Name	One of (Target Server Name, Computer Name, Target Server:Target Server Name)
Destination NT Domain	One of (Domain Name, Subject:Account Domain, New Token Information:Account Domain, Subject:Domain Name)
Destination Port	Network Information:Destination Port
Destination Process Name	One of (Process Information:New Process Name, Process Information:Process Name)
Destination Service Name	Service Information:Service Name
Destination User ID	One of (Subject:Logon ID, New Token Information:Logon ID)
Destination User Name	One of (Account Name, Subject:Account Name, Subject:Security ID, User, New Token Information:Account Name)

ArcSight ESM Field	Device-Specific Field
Destination User Privileges	One of (Additional Information:Privileges, New Right:User Right, Removed Right:User Right, Access Granted:Access Right, Access Removed:Access Right)
Device Action	One of (Account Action, Allowed, 'No', 'Blocked')
Device Custom IPv6 Address 2	Source IPv6 Address
Device Custom Number 1	Logon Type
Device Custom Number 2	Value of CrashOnAuditFail
Device Custom Number 3	Count
Device Custom String 1	One of (Access Request Information:Access Mask, Operation:Accesses, Operation:Access Mask)
Device Custom String 2	EventCategory
Device Custom String 4	One of (Error Code, Additional Information:Failure Code, Additional Information:Reason Code, Additional Information:Error Code, Failure Information:Failure Reason, Audit Events Dropped:Reason, Reason, Reason for Rejection, Error Information:Reason, Error Information:Error, Process Information:Exit Status)
Device Custom String 5	One of (Authentication Package Name, Authentication Package, Authentication, Detailed Authentication Information:authentication Package)
Device Event Category	Event logType
Device Event Class ID	Both (Event Source , Event ID)
Device Host Name	Computer Name
Device NT Domain	One of (Domain Name, Subject:Account Domain)
Device Product	'Microsoft Windows'
Device Receipt Time	DetectTime
Device Severity	EventType
Device Vendor	'Microsoft'
External ID	Event ID
File ID	One of (Object Handle ID, Object:Object Handle)
File Name	Object:Object Name
File Type	One of (Object Type, Object:Object Type)
Message	Message

ArcSight ESM Field	Device-Specific Field
Name	Description
Source Address	One of (Network Information:Source Network Address, Local Network Address, Additional Information:Client Address)
Source Host Name	One of (Subject:Client Name, Network Information:Workstation Name, Source Workstation, Additional Information:Client Name)
Source NT Domain	Subject:Client Domain
Source Port	One of (Network Information:Source Port, Network Information:Port, Network Information:Client Port)
Source Process Name	One of (Logon Process Name, process Information:Caller Process ID)

Specific Windows Security Event Mappings

Event 1100

ArcSight ESM Field	Device-Specific Field
Name	'The event logging service has shut down.'

Event 1101

ArcSight ESM Field	Device-Specific Field
Name	'Audit events have been dropped by the transport. The real time backup file was corrupt due to improper shutdown.'
Device Custom Number 3	Reason

Event 1102

ArcSight ESM Field	Device-Specific Field
Name	'The audit log was cleared.'
Destination NT Domain	SubjectDomainName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination User ID	SubjectLogonId

Event 1104

ArcSight ESM Field	Device-Specific Field
Name	'The security log is now full.'

Event 1105

ArcSight ESM Field	Device-Specific Field
Name	'Event log automatic backup.'
File Type	Channel
File Name	BackupPath

Event 1074

ArcSight ESM Field	Device-Specific Field
Name	The process has initiated the shutdown/restart of computer.
Message	concatenate(The process ",%1," has initiated the ",%5," of computer ",%2," on behalf of user ",%7," for the following reason: ",%3)
Source Process Name	%1
Destination Host Name	%2
Reason	%3
Device Custom String4	Reason Code
Device Custom String5	Shutdown Type
Device Custom String6	Comment

Event 4608

ArcSight ESM Field	Device-Specific Field
Name	'Windows is starting up. This event is logged when LSASS.EXE starts and the auditing subsystem is initialized.'

Event 4609

ArcSight ESM Field	Device-Specific Field
Name	'Windows is shutting down. All logon sessions will be terminated by this shut down.'

Event 4610

ArcSight ESM Field	Device-Specific Field
Name	'An authentication package has been loaded by the Local Security Authority. This authentication package will be used to authenticate logon attempts.'
Device Custom String 5	AuthenticationPackageName

Event 4611

ArcSight ESM Field	Device-Specific Field
Name	'A trusted logon process has been registered with the Local Security Authority. This logon process will be trusted to submit logon requests.'
Destination Process Name	LogonProcessName
Source Process Name	LogonProcessName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4612

ArcSight ESM Field	Device-Specific Field
Name	'Internal resources allocated for the queuing of audit messages have been exhausted, leading to the loss of some audits.'
Device Custom Number 3	AuditsDiscarded

ArcSight ESM Field	Device-Specific Field
Message	'This event is generated when audit queues are filled and events must be discarded. This most commonly occurs when security events are being generated faster than they are being written to disk, or when the auditing system loses connectivity to the event log, such as when the event log service is stopped.'

Event 4614

ArcSight ESM Field	Device-Specific Field
Name	'A notification package has been loaded by the Security Account Manager. This package will be notified of any account or password changes.'
Device Custom String 5	'NotificationPackageName'

Event 4615

ArcSight ESM Field	Device-Specific Field
Name	'Invalid use of LPC port.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Message	'Windows Local Security Authority (LSA) communicates with the Windows kernel using Local Procedure Call (LPC) ports. If you see this event, an application has inadvertently or intentionally accessed this port which is reserved exclusively for LSA's use. The application (process) should be investigated to ensure that it is not attempting to tamper with this communications channel.'

Event 4616

ArcSight ESM Field	Device-Specific Field
Name	'The system time was changed.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)

ArcSight ESM Field	Device-Specific Field
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Device Custom Date 1	Both (PreviousDate, PreviousTime)
Device Custom Date 2	Both (NewDate, NewTime)
Device Custom String 3	ProcessId
Destination process Name	ProcessName
Message	'This event is generated when the system time is changed. It is normal for the Windows Time Service, which runs with System privilege, to change the system time on a regular basis. Other system time changes may be indicative of attempts to tamper with the computer.'

Event 4618

ArcSight ESM Field	Device-Specific Field
Name	'A monitored security event pattern has occurred.'
Destination User ID	TargetLogonId
Destination User Name	One of (TargetUserName, TargetUserSid)
Destination NT Domain	TargetUserDomain
Device NT Domain	TargetUserDomain
Message	'This event is generated when Windows is configured to generate alerts in accordance with the Common Criteria Security Audit Analysis requirements (FAU_SAA) and an auditable event pattern occurs.'

Event 4621

ArcSight ESM Field	Device-Specific Field
Name	'Administrator recovered system from CrashOnAuditFail. Users who are not administrators will now be allowed to log on. Some auditable activity might not have been recorded.'
Device Custom Number 2	CrashOnAuditFail value.
Message	'This event is logged after a system reboots following CarshOnAuditFail.'

Event 4622

ArcSight ESM Field	Device-Specific Field
Name	'A security package has been loaded by the Local Security Authority.'
File Path	SecurityPackageName
Device Custom String 5	SecurityPackageName

Event 4624

ArcSight ESM Field	Device-Specific Field
Name	'An account was successfully logged on.'
Additional data	TargetOutboundUserName
Additional data	TargetOutboundDomainName
Device NT Domain	SubjectDomainName
Source Address	IpAddress
Device Custom IPv6 Address 2	IpAddress (Source IPv6 Address)
Destination Process Name	ProcessName
Destination User Name	TargetUserName
Destination NT Domain	TargetDomainName
Destination User ID	TargetLogonId
Device Custom String 1	ImpersonationLevel
Device Custom String 3	ProcessId
Device Custom String 4	RestrictedAdminMode
Device Process Name	LogonProcessName
Device Custom String 6	LogonGuid
Source Host Name	One of (IpAddress, 'localhost')
Source Port	IpPort
Device Custom String 5	AuthenticationPackageName
Device Custom Number 1	LogonType
File Type	VirtualAccount
File ID	TargetLinkedLogonId

ArcSight ESM Field	Device-Specific Field
File Name	ElevatedToken
Message	'This event is generated when a logon session is created. It is generated on the computer that was accessed.'
Source User ID	SubjectLogonId

Event 4625

ArcSight ESM Field	Device-Specific Field
Name	'An account failed to log on.'
Device NT Domain	SubjectDomainName
Source Address	IpAddress
Destination Process Name	ProcessName
Destination NT Domain	TargetDomainName
Device Custom String 1	SubStatus
Device Custom String 3	ProcessId
Reason	FailureReason
Device Process Name	LogonProcessName
Destination User ID	' '
Source Host Name	WorkstationName
Source Port	IpPort
Source Process Name	ProcessId
Device Custom String 4	FailureReason
Device Custom String 5	AuthenticationPackageName

ArcSight ESM Field	Device-Specific Field
Device Custom Number 1	LogonType
Destination UserName	TargetUserName
Message	'This event is generated when a logon request fails. It is generated on the computer where access was attempted. The Subject fields indicate the account on the local system which requested the logon. This is most commonly a service such as the Server service, or a local process such as Winlogon.exe or Services.exe. The Logon Type field indicates the kind of logon that was requested. The most common types are 2 (interactive) and 3 (network).The Process Information fields indicate which account and process on the system requested the logon. The Network Information fields indicate where a remote logon request originated. Workstation name is not always available and may be left blank in some cases. The authentication information fields provide detailed information about this specific logon request. - Transited services indicate which intermediate services have participated in this logon request. - Package name indicates which sub-protocol was used among the NTLM protocols. - Key length indicates the length of the generated session key. This will be 0 if no session key was requested.'

Event 4626

ArcSight ESM Field	Device-Specific Field
Name	'User/Device claims information.'
Device NT Domain	SubjectDomainName
Destination User Name	TargetUserName
Destination User ID	TargetLogonId

ArcSight ESM Field	Device-Specific Field
Destination NT Domain	TargetDomainName
Device Custom Number 1	LogonType
Message	'The subject fields indicate the account on the local system which requested the logon. This is most commonly a service such as the Server service, or a local process such as Winlogon.exe or Services.exe. The logon type field indicates the kind of logon that occurred. The most common types are 2 (interactive) and 3 (network). The New Logon fields indicate the account for whom the new logon was created, i.e. the account that was logged on. This event is generated when the Audit User/Device claims subcategory is configured and the user's logon token contains user/device claims information. The Logon ID field can be used to correlate this event with the corresponding user logon event as well as to any other security audit events generated during this logon session.'

Event 4627

ArcSight ESM Field	Device-Specific Field
Name	'Group membership information.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	One of (TargetUserName, TargetUserSid)
Destination NT Domain	TargetDomainName
Destination User ID	TargetLogonId
Device Custom Number 1	LogonType
Device Custom Number 2	EventIdx

ArcSight ESM Field	Device-Specific Field
Device Custom Number 3	EventCountTotal
Device Custom String 1	GroupMembership
Message	'This event is generated when the Audit Group Membership subcategory is configured. The subject fields indicate the account on the local system which requested the logon. This is most commonly a service such as the Server service, or a local process such as Winlogon.exe or Services.exe. The logon type field indicates the kind of logon that occurred. The most common types are 2 (interactive) and 3 (network). The New Logon fields indicate the account for whom the new logon was created, i.e. the account that was logged on. The Logon ID field can be used to correlate this event with the corresponding user logon event as well as to any other security audit events generated during this logon session.'

Event 4634

ArcSight ESM Field	Device-Specific Field
Name	'An account was logged off.'
Destination User ID	TargetLogonId
Device Custom Number 1	LogonType
Destination User Name	One of (TargetUserName, TargetUserSid)
Destination NT Domain	TargetDomainName
Device NT Domain	TargetDomainName
Message	'This event is generated when a logon session is destroyed. It may be positively correlated with a logon event using the Logon ID value. Logon IDs are only unique between reboots on the same computer.'

Event 4646

ArcSight ESM Field	Device-Specific Field
Name	'IKE DoS-prevention mode started.'

Event 4647

ArcSight ESM Field	Device-Specific Field
Name	'User initiated logoff.'
Destination User ID	TargetLogonId
Destination User Name	One of (TargetUserName, TargetUserSid)
Destination NT Domain	TargetDomainName
Device NT Domain	TargetDomainName
Message	'This event is generated when a logoff is initiated but the token reference count is not zero and the logon session cannot be destroyed. No further user-initiated activity can occur. This event can be interpreted as a logoff event.'

Event 4648

ArcSight ESM Field	Device-Specific Field
Name	'A logon was attempted using explicit credentials.'
Device NT Domain	SubjectDomainName
Source Address	IpAddress
Destination Process Name	ProcessName
Destination User Name	TargetUserName
Destination NT Domain	TargetDomainName
Device Custom String 6	TargetLogonGuid (Logon GUID)
Device Custom String 3	ProcessId (Process ID)
Source Port	IpPort
Destination User ID	SubjectLogonId
Source User Name	One of (SubjectUserName, SubjectUserSid)
Message	'This event is generated when a process attempts to log on an account by explicitly specifying that account's credentials. This most commonly occurs in batch-type configurations such as scheduled tasks, or when using the RUNAS command.'
Device Custom String 5	TargetServerName

Event 4649 - Event 4695

ArcSight ESM Field	Device-Specific Field
Name	'A replay attack was detected.'
Source Host Name	WorkstationName
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
Device Custom String 5	AuthenticationPackage
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Message	'This event indicates that a Kerberos replay attack was detected-a request was received twice with identical information. This condition could be caused by network misconfiguration.'

Event 4650

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Main Mode security association was established. Extended Mode was not enabled. Certificate authentication was not used.'

Event 4651

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Main Mode security association was established. Extended Mode was not enabled. A certificate was used for authentication.'
Source Address	LocalAddress
Source Port	LocalKeyModPort
Destination Address	RemoteAddress
Destination Port	RemoteKeyModPort

Event 4652

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Main Mode negotiation failed.'
Device Custom String 4	FailureReason
Source Address	LocalAddress
Source Port	LocalKeyModPort
Destination Address	RemoteAddress
Destination Port	RemoteKeyModPort
Message	FailureReason

Event 4653

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Main Mode negotiation failed.'
Device Custom String 4	FailureReason
Source Address	LocalAddress
Source Port	LocalKeyModPort
Destination Address	RemoteAddress
Destination Port	RemoteKeyModPort
Message	FailureReason

Event 4654

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Quick Mode negotiation failed.'
Device Custom String 4	FailureReason
Source Address	LocalAddress
Source Port	LocalPort
Destination Address	RemoteAddress
Destination Port	RemotePort
Message	FailureReason

Event 4655

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Main Mode security association ended.'
Source Address	LocalAddress

Event 4656

ArcSight ESM Field	Device-Specific Field
Name	'A handle to an object was requested.'
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Device Custom String 3	ProcessId
Device Custom String 1	AccessList
Device NT Domain	SubjectDomainName
Destination NT Domain	SubjectDomainName
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
Destination User Privileges	PrivilegeList
File ID	HandleId
File Name	ObjectName
File Type	ObjectType

Event 4657

ArcSight ESM Field	Device-Specific Field
Name	'A registry value was modified.'
Device Custom String 6	ObjectValueName
Device Action	OperationType
Old File Type	OldValueType
Device Custom String 4	OldValue
File Type	NewValueType
File ID	HandleId

ArcSight ESM Field	Device-Specific Field
File Name	ObjectName
Device Custom String 5	NewValue
Device Custom String 3	ProcessId
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4658

ArcSight ESM Field	Device-Specific Field
Name	'The handle to an object was closed.'
Device Custom String 3	ProcessId
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
File ID	HandleId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4659

ArcSight ESM Field	Device-Specific Field
Name	'A handle to an object was requested with intent to delete.'
Device Custom String 1	AccessList
Device Custom String 3	ProcessId
Destination User ID	SubjectLogonId
File Type	ObjectType
File ID	HandleId
File Name	ObjectName

ArcSight ESM Field	Device-Specific Field
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4660

ArcSight ESM Field	Device-Specific Field
Name	'An object was detected.'
Device Custom String 3	ProcessId
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
File ID	HandleId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4661

ArcSight ESM Field	Device-Specific Field
Name	'A handle to an object was requested.'
Device Custom String 1	AccessList
Destination User Privileges	PrivilegeList
Device Custom String 3	ProcessId
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
File Type	ObjectType
File ID	HandleId
File Name	ObjectName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4662

ArcSight ESM Field	Device-Specific Field
Destination User ID	SubjectLogonId
Destination NT Domain	SubjectDomainName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Device Custom String 1	One of (AccessList, AccessMask)
Device Custom String 5	ObjectType
Device Custom String 6	Properties
Device NT Domain	SubjectDomainName
File ID	HandleId
File Name	ObjectName
File Type	ObjectType
Name	'An operation was performed on an object.'

Event 4663

ArcSight ESM Field	Device-Specific Field
Name	'An attempt was made to access an object.'
Device Custom String 1	AccessList
Device Custom String 3	ProcessId
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
File Type	ObjectType
File ID	HandleId
File Name	ObjectName
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User Name	One of (SubjectUserName, SubjectUserSid)

Event 4664

ArcSight ESM Field	Device-Specific Field
Name	'An attempt was made to create a hard link.'
Destination User ID	SubjectLogonId
Destination User Name	SubjectUserName
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4665

ArcSight ESM Field	Device-Specific Field
Name	'An attempt was made to create an application client context.'
Source Host Name	ClientName
Source NT Domain	ClientDomain

Event 4666

ArcSight ESM Field	Device-Specific Field
Name	'An application attempted an operation.'
File Name	ObjectName

Event 4667

ArcSight ESM Field	Device-Specific Field
Name	'An application client context was deleted.'
Source Host Name	ClientName
Source NT Domain	ClientDomain

Event 4668

ArcSight ESM Field	Device-Specific Field
Name	'An application was initialized.'
Source Host Name	ClientName

ArcSight ESM Field	Device-Specific Field
Source NT Domain	ClientDomain

Event 4670

ArcSight ESM Field	Device-Specific Field
Name	'Permissions on an object were changed.'
Device Custom String 4	OldSd
Device Custom String 5	NewSd
Device Custom String 3	ProcessId
Destination User ID	SubjectLogonId
File Type	ObjectType
File ID	HandleId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
File Name	ObjectName

Event 4671

ArcSight ESM Field	Device-Specific Field
Name	'An application attempted to access a blockied ordinal through the TBS.'
Destination User ID	CallerLogonId
Destination User Name	One of (CallerUserName, CallerUserSid)
Destination NT Domain	CallerDomainName
Device NT Domain	CallerDomainName

Event 4672

ArcSight ESM Field	Device-Specific Field
Name	'Special privileges assigned to new logon.'
Destination User privileges	PrivilegeList

ArcSight ESM Field	Device-Specific Field
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4673

ArcSight ESM Field	Device-Specific Field
Name	'A privileged service was called.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination Process Name	ProcessName

Event 4674

ArcSight ESM Field	Device-Specific Field
Name	'An operation was attempted on a privileged object.'
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
File Type	ObjectType
File Name	ObjectName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList
Device Custom String 3	ProcessId
File ID	HandleId

Event 4675

ArcSight ESM Field	Device-Specific Field
Name	'SIDs were filtered.'

Event 4688

ArcSight ESM Field	Device-Specific Field
Name	'A new process has been created.'
Destination User Name	One of (SubjectUserName, SubjectUserSid, TargetUserName, TargetUserSid)
Destination NT Domain	One of (SubjectDomainName, desinationNtDomain)
Destination User ID	One of (SubjectLogonId, TargetLogonId)
Device Custom String 1	MandatoryLabel
Device Custom String 3	NewProcessId
Device Custom String 6	TokenElevationType
Device Custom String 5	ProcessId
Device Custom String 4	CommandLine
Destination Process Name	NewProcessName
Device NT Domain	SubjectDomainName
File Path	ParentProcessName
Message	'Token Elevation Type indicates the type of token that was assigned to the new process in accordance with User Account Control policy.Type 1 is a full token with no privileges removed or groups disabled. Type 2 is an elevated token with no privileges removed or groups disabled.Type 3 is a limited token with administrative privileges removed and administrative groups disabled.'

Event 4689

ArcSight ESM Field	Device-Specific Field
Name	'A process has exited.'
Device Custom String 3	ProcessId
Destination User ID	SubjectLogonId

ArcSight ESM Field	Device-Specific Field
Destination Process Name	ProcessName
Device Custom String 4	Status
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4690

ArcSight ESM Field	Device-Specific Field
Name	'An attempt was made to duplicate a handle to an object.'
Old File ID	SourceHandleId
Device Custom String 5	SourceProcessId
File ID	TargetHandleId
Device Custom String 3	TargetProcessId
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4691

ArcSight ESM Field	Device-Specific Field
Name	'Indirect access to an object was requested.'
Destination User ID	SubjectLogonId
Device Custom String 1	AccessMask
File Type	ObjectType
File Name	ObjectName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4692

ArcSight ESM Field	Device-Specific Field
Name	'Backup of data protection master key was attempted.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4693

ArcSight ESM Field	Device-Specific Field
Name	'Recovery of data protection master key was attempted.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4694

ArcSight ESM Field	Device-Specific Field
Name	'Protection of auditable protected data was attempted.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4695

ArcSight ESM Field	Device-Specific Field
Name	'Unprotection of auditable protected data was attempted.'
Destination User ID	SubjectLogonId

ArcSight ESM Field	Device-Specific Field
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4696 - Event 4697

ArcSight ESM Field	Device-Specific Field
Name	'A primary token was assigned to process.'
Device Custom String 3	TargetProcessId
Destination Process Name	TargetProcessName
Device Custom String 5	ProcessId
Source Process Name	ProcessName
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	One of (TargetUserName, TargetUserSid)
Destination NT Domain	TargetDomainName
Destination User ID	TargetLogonId
Device NT Domain	SubjectDomainName

Event 4697

ArcSight ESM Field	Device-Specific Field
Name	'A service was installed in the system.'
File Path	ServiceFileName
File Type	ServiceType
Device Custom String 5	ServiceStartType
Device Custom String 6	ServiceAccount
Destination User ID	SubjectLogonId
Destination Service Name	ServiceName

ArcSight ESM Field	Device-Specific Field
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4698 - Event 4700

ArcSight ESM Field	Device-Specific Field
Name	'A scheduled task was created.'
Device Custom String 6	TaskName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4699

ArcSight ESM Field	Device-Specific Field
Name	'A scheduled task was deleted.'
Device Custom String 6	TaskName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4700

ArcSight ESM Field	Device-Specific Field
Name	'A scheduled task was enabled.'
Device Custom String 6	TaskName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4701 - Event 4717

ArcSight ESM Field	Device-Specific Field
Name	'A scheduled task was disabled.'
Device Custom String 6	TaskName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4702

ArcSight ESM Field	Device-Specific Field
Name	'A scheduled task was updated.'
Device Custom String 6	TaskName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event Id 4703

ArcSight ESM Field	Device-Specific Field
Name	'A token right was adjusted.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	One of (TargetUserName, TargetUserSid)
Destination NT Domain	TargetDomainName
Destination User ID	TargetLogonId
Destination Process Name	ProcessName
Device Custom String 3	ProcessId

ArcSight ESM Field	Device-Specific Field
Device Custom String 1	EnabledPrivilegeList
Device Custom String 4	DisabledPrivilegeList
Message	‘A token right was adjusted.’

Event 4704

ArcSight ESM Field	Device-Specific Field
Name	‘A user right was assigned.’
Source User Name	One of (SubjectUserSid, SubjectUserName)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	TargetSid
Destination User ID	SubjectLogonId
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4705

ArcSight ESM Field	Device-Specific Field
Name	‘A user right was removed.’
Source User Name	One of (SubjectUserSid, SubjectUserName)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	TargetSid
Destination User ID	SubjectLogonId
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4706

ArcSight ESM Field	Device-Specific Field
Name	'A new trust was created to a domain.'
Device Custom String 6	One of (DomainName, DomainSid)
Device Custom String 5	TdoType (Trust Type)
Device Custom String 3	TdoDirection (Trust Direction)
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4707

ArcSight ESM Field	Device-Specific Field
Name	'A trust to a domain was removed.'
Device Custom String 6	One of (DomainName, DomainSid)
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4709

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Services was started.'

Event 4710

ArcSight ESM Field	Device-Specific Field
Name	'The IPsec Policy Agent service was disabled.'

Event 4711

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine applied locally cached copy of Active Directory storage IPsec policy on the computer.'

Event 4712

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Policy Agent encountered a potentially serious failure.'

Event 4713

ArcSight ESM Field	Device-Specific Field
Name	'Kerberos policy was changed.'
Message	All of ((KerberosPolicyChange, '"", "('—' means no changes, otherwise each change is shown as: (Parameter Name): (new value) (old value))
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4714

ArcSight ESM Field	Device-Specific Field
Name	'Data Recovery Agent group policy for Encrypting File System (EFS) has changed. The new changes have been applied.'
Message	All of (EfsPolicyChange," ","Changes Made('--' means no changes, otherwise each change is shown as:(Parameter Name): (new value) (old value))")
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4715

ArcSight ESM Field	Device-Specific Field
Name	'The audit policy (SACL) on an object was changed.'
Device Custom String 6	NewSd
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4716

ArcSight ESM Field	Device-Specific Field
Name	'Trusted domain information was modified.'
Device Custom String 6	One of (DomainName, DomainSid)
Device Custom String 5	TdoType (Trust Type)
Device Custom String 3	TdoDirection (Trust Direction)
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4717

ArcSight ESM Field	Device-Specific Field
Name	'System security access was granted to an account.'
Source User ID	SubjectLogonid
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Destination User Name	TargetSid
Destination User ID	SubjectLogonId

ArcSight ESM Field	Device-Specific Field
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User Privileges	AccessGranted

Event 4718 - Event 4726

ArcSight ESM Field	Device-Specific Field
Name	'System security access was removed from an account.'
Source User ID	SubjectLogonId
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Destination User Name	TargetSid
Destination User ID	SubjectLogonId
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User Privileges	AccessRemoved

Event 4719

ArcSight ESM Field	Device-Specific Field
Name	'System audit policy was changed.'
Device Custom String 5	SubcategoryId
Device Custom String 6	CategoryId
Device Action	AuditPolicyChanges
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4720

ArcSight ESM Field	Device-Specific Field
Name	'A user account was created.'
Source User Name	SubjectUserName
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	TargetUserName
Destination NT Domain	TargetDomainName
Destination User ID	SubjectLogonId
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4722

ArcSight ESM Field	Device-Specific Field
Name	'A user account was enabled.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	One of (TargetUserName, TargetUserSid)
Destination NT Domain	TargetDomainName
Destination User ID	SubjectLogonId
Device NT Domain	SubjectDomainName

Event 4723

ArcSight ESM Field	Device-Specific Field
Name	'An attempt was made to change an account's password.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId

ArcSight ESM Field	Device-Specific Field
Destination User Name	TargetUserName
Destination NT Domain	TargetDomainName
Destination User ID	SubjectLogonId
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4724

ArcSight ESM Field	Device-Specific Field
Name	'An attempt was made to reset an account's password.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	TargetUserName
Destination NT Domain	TargetDomainName
Destination User ID	SubjectLogonId
Device NT Domain	SubjectDomainName

Event 4725

ArcSight ESM Field	Device-Specific Field
Name	'A user account was disabled.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	TargetUserName
Destination NT Domain	TargetDomainName
Destination User ID	SubjectLogonId
Device NT Domain	SubjectDomainName

Event 4726

ArcSight ESM Field	Device-Specific Field
Name	'A user account was deleted.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	TargetUserName
Destination NT Domain	TargetDomainName
Destination User ID	SubjectLogonId
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4727 - Event 4728

ArcSight ESM Field	Device-Specific Field
Name	'A security-enabled global group was created.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Device Custom String 6	Both (TargetDomainName, TargetUserName)
Destination User ID	SubjectLogonId
Destination User Name	One of (TargetUserName, TargetUserSid)
Destination NT Domain	TargetDomainName
Device NT Domain	SubjectDomainName
Destination User Privilege	PrivilegeList

Event 4728

ArcSight ESM Field	Device-Specific Field
Name	'A member was added to a security-enabled global group.'
Source User Name	One of (SubjectUserName, SubjectUserSid)

ArcSight ESM Field	Device-Specific Field
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	MemberSid
Destination NT Domain	MemberSid
Device Custom String 6	Both (TargetDomainName, TargetUserName)
Destination User ID	MemberName
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4729 - Event 4730

ArcSight ESM Field	Device-Specific Field
Name	'A member was removed from a security-enabled global group.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	MemberSid
Destination NT Domain	MemberSid
Device Custom String 6	Both (TargetDomainName, TargetUserName)
Destination User ID	MemberName
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4730

ArcSight ESM Field	Device-Specific Field
Name	'A security-enabled global group was deleted.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)

ArcSight ESM Field	Device-Specific Field
Destination NT Domain	SubjectDomainName
Device Custom String 6	Both (TargetDomainName, TargetUserName)
Destination User ID	SubjectLogonId
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4731

ArcSight ESM Field	Device-Specific Field
Name	'A security-enabled local group was created.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device Custom String 6	Both (TargetDomainName, TargetUserName)
Destination User ID	MemberName
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4732

ArcSight ESM Field	Device-Specific Field
Name	'A member was added to a security-enabled local group.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	MemberSid
Destination NT Domain	MemberSid
Device Custom String 6	Both (TargetDomainName, TargetUserName)

ArcSight ESM Field	Device-Specific Field
Destination User ID	MemberName
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4733

ArcSight ESM Field	Device-Specific Field
Name	'A member was removed from a security-enabled local group.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	MemberSid
Destination NT Domain	MemberSid
Device Custom String 6	Both (TargetDomainName, TargetUserName)
Destination User ID	MemberName
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4734

ArcSight ESM Field	Device-Specific Field
Name	'A security-enabled local group was deleted.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device Custom String 6	Both (TargetDomainName, TargetUserName)
Destination User ID	SubjectLogonId
Device NT Domain	SubjectDomainName
Destination User Privileges	PrivilegeList

Event 4823

ArcSight ESM Field	Device-Specific Field
Name	'NTLM authentication failed because access control restrictions are required.'
Reason	Status
Device Custom String 5	SiloName
Device Custom String 6	PolicyName
Device Custom String 4	Status
Destination User Name	AccountName

Event 4824

ArcSight ESM Field	Device-Specific Field
Name	'Kerberos preauthentication by using DES or RC4 failed because the account was a member of the Protected User group.'
Source User Name	TargetUserName
Source User ID	TargetSid
Device Custom String 1	All of (PreAuthType, Status, TicketOptions)
Source Address	IpAddress
Device Custom String 4	All of (CertIssuerName, CertSerialNumber, CertThumbprint)
Source Port	IpPort
Destination Service Name	ServiceName

Event 4826

ArcSight ESM Field	Device-Specific Field
Name	'Boot Configuration Data loaded.'
Source User Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Message	'Boot Configuration Data loaded.'
Additional data	LoadOptions

ArcSight ESM Field	Device-Specific Field
Additional data	AdvancedOptions
Additional data	ConfigAccessPolicy
Additional data	RemoteEventLogging
Additional data	KernelDebug
Additional data	VsmLaunchType
Additional data	TestSigning
Additional data	FlightSigning
Additional data	DisableIntegrityChecks
Additional data	HypervisorLoadOptions
Additional data	HypervisorLaunchType
Additional data	HypervisorDebug

Event 4864

ArcSight ESM Field	Device-Specific Field
Name	'A namespace collision was detected.'

Event 4865

ArcSight ESM Field	Device-Specific Field
Name	'A trusted forest information entry was added.'
Device Custom String 6	ForestRoot
Device Custom String 3	OperationId
Device Custom String 5	TopLevelName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4866

ArcSight ESM Field	Device-Specific Field
Name	'A trusted forest information entry was removed.'
Device Custom String 6	ForestRoot
Device Custom String 3	OperationId
Device Custom String 5	TopLevelName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4867

ArcSight ESM Field	Device-Specific Field
Name	'A trusted forest information entry was modified.'
Device Custom String 6	ForestRoot
Device Custom String 3	OperationId
Device Custom String 5	TopLevelName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4868

ArcSight ESM Field	Device-Specific Field
Name	'The certificate manager denied a pending certificate request.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4869

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services received a resubmitted certificate request.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4870

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services revoked a certificate.'
Destination User ID	SubjectLogonId
Device Custom String 4	RevocationReason
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4871

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services received a request to publish the certificate revocation list (CRL).'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4872

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services received a request to publish the certificate revocation list (CRL).'

Event 4873

ArcSight ESM Field	Device-Specific Field
Name	'A certificate request extension changed.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4874

ArcSight ESM Field	Device-Specific Field
Name	'One or more certificate request attributes changed.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4875

ArcSight ESM Field	Device-Specific Field
Name	'Cerftificate Services received a request to shutdown.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4876

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services backup started.'
Destination User ID	SubjectLogonId

ArcSight ESM Field	Device-Specific Field
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4877

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services backup completed.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4878

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services restore started.'

Event 4879

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services restore completed.'

Event 4880

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services started.'

Event 4881

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services stopped.'

Event 4882

ArcSight ESM Field	Device-Specific Field
Name	'The security permissions for Certificate Services changed.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4883

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services retrieved an archived key.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4884

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services imported a certificate into its database.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4885

ArcSight ESM Field	Device-Specific Field
Name	'The audit filter for Certificate Services changed.'
Destination User ID	SubjectLogonId

ArcSight ESM Field	Device-Specific Field
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4886

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services received a certificate request.'

Event 4887

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services approved a certificate request and issued a certificate.'

Event 4888

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services denied a certificate request.'

Event 4889

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services set th status of a certificate request to pending.'

Event 4890

ArcSight ESM Field	Device-Specific Field
Name	'The certificate manager settings for Certificate Services changed.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4891

ArcSight ESM Field	Device-Specific Field
Name	'A configuration entry changed in Certificate Services.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4892

ArcSight ESM Field	Device-Specific Field
Name	'A property of Certificate Services changed.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4893

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services archived a key.'

Event 4894

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services imported and archived a key.'

Event 4895

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services published the CA certificate toActive Directory Domain Services.'

Event 4896

ArcSight ESM Field	Device-Specific Field
Name	'One or more rows have been deleted from the certificate database.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4897

ArcSight ESM Field	Device-Specific Field
Name	'Role separation enabled.'

Event 4898

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services loaded a template.'

Event 4899

ArcSight ESM Field	Device-Specific Field
Name	'A Certificate Services template was updated.'

Event 4900

ArcSight ESM Field	Device-Specific Field
Name	'Certificate Services template security was updated.'

Event 4902

ArcSight ESM Field	Device-Specific Field
Name	'The Per-user audit policy table was created.'
Device Custom Number 3	PuaCount
Device Custom Number 6	PuaPolicyId

Event 4904

ArcSight ESM Field	Device-Specific Field
Name	'An attempt was made to register a security event source.'
Device Custom String 6	AuditSourceName
Device Custom String 5	EventSourceId
Device Custom String 3	ProcessId
Destination Process Name	ProcessName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4905

ArcSight ESM Field	Device-Specific Field
Name	'An attempt was made to unregister a security event source.'
Device Custom String 6	AuditSourceName
Device Custom String 5	EventSourceId
Device Custom String 3	ProcessId
Destination Process Name	ProcessName
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4906

ArcSight ESM Field	Device-Specific Field
Name	'The CrashOnAuditFail value has changed.'
Device Custom Number 2	CrashOnAuditFailValue

Event 4907

ArcSight ESM Field	Device-Specific Field
Name	'Auditing settings on object were changed.'
Device Custom String 5	ObjectType
Device Custom String 3	ProcessId
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
File Type	ObjectType
File ID	HandleId
File Name	ObjectName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4908

ArcSight ESM Field	Device-Specific Field
Name	'Special Groups Logon table modified.'
Device Custom String 6	SidList
Message	'This event is generated when the list of special groups is updated in the registry or through security policy. The updated list of special groups is indicated in the event.'

Event 4909

ArcSight ESM Field	Device-Specific Field
Name	'The local policy settings for the TBS were changed.'

Event 4910

ArcSight ESM Field	Device-Specific Field
Name	'The group policy settings for the TBS were changed.'

Event 4911

ArcSight ESM Field	Device-Specific Field
Name	'Resource attributes of the object were changed.'
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User ID	SubjectLogonId
File ID	HandleId
File Name	ObjectName
File Type	ObjectType
Destination Process ID	ProcessId
Destination Process Name	ProcessName

Event 4912

ArcSight ESM Field	Device-Specific Field
Name	'Per User Audit Policy was changed.'
Device Custom String 6	TargetUserSid
Device Custom String 5	SubcategoryId
Device Action	AuditPolicyChanges
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 4913

ArcSight ESM Field	Device-Specific Field
Name	'Central Access Policy on the object was changed.'
Destination User Name	One of (SubjectUserName,SubjectUserSid)
Destination NT Domain	SubjectDomainName

ArcSight ESM Field	Device-Specific Field
Device NT Domain	SubjectDomainName
Destination User ID	SubjectLogonId
File ID	HandleId
File Name	ObjectName
File Type	ObjectType
Destination process ID	ProcessId
Destination process Name	ProcessName

Event 4928

ArcSight ESM Field	Device-Specific Field
Name	'An Active Directory replica source naming context was established.'

Event 4929

ArcSight ESM Field	Device-Specific Field
Name	'An Active Directory replica source naming context was removed.'

Event 4930

ArcSight ESM Field	Device-Specific Field
Name	'An Active Directory replica source naming context was modified.'

Event 4931

ArcSight ESM Field	Device-Specific Field
Name	'An Active Directory replica destination naming context was modified.'

Event 4932

ArcSight ESM Field	Device-Specific Field
Name	'Synchronization of a replica of an Active Directory naming context has begun.'

Event 4933

ArcSight ESM Field	Device-Specific Field
Name	'Synchronization of a replica of an Active Directory naming context has ended.'

Event 4934

ArcSight ESM Field	Device-Specific Field
Name	'Attributes of an Active Directory object were replicated.'

Event 4935

ArcSight ESM Field	Device-Specific Field
Name	'Replication failure begins.'

Event 4936

ArcSight ESM Field	Device-Specific Field
Name	'Replication failure ends.'

Event 4937

ArcSight ESM Field	Device-Specific Field
Name	'A lingering object was removed from a replica.'

Event 4944

ArcSight ESM Field	Device-Specific Field
Name	'The following policy was active when the Windows Firewall started..'

Event 4945

ArcSight ESM Field	Device-Specific Field
Name	'A rule was listed when the Windows Firewall started.'

Event 4946

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to Windows Firewall exception list. A fule was added.'

Event 4947

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to Windows Firewall exception list. A rule was modified.'

Event 4948

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to Windows Firewall excpeptino list. A rule was deleted.'

Event 4949

ArcSight ESM Field	Device-Specific Field
Name	'Windows Firewall settings were restored to the default values.'

Event 4950

ArcSight ESM Field	Device-Specific Field
Device Custom String 4	SettingType
Device Custom String 5	SettingValue
Name	'A Windows Firewall setting has changed.'

Event 4951

ArcSight ESM Field	Device-Specific Field
Name	'A rule has been ignored because its major version number was not recognized by Windows Firewall.'

Event 4952

ArcSight ESM Field	Device-Specific Field
Name	'Parts of a rule have bween ignored because its minor version number was not recognized by Windows Firewall. The other parts of the rule will be enforced.'

Event 4953

ArcSight ESM Field	Device-Specific Field
Name	'A rule has been ignored by Windows Firewall because it could not parse the rule.'
Device Custom String 4	ReasonForRejection

Event 4954

ArcSight ESM Field	Device-Specific Field
Name	'Windows Firewall Group Policy settings has changed. The new settings have been applied.'

Event 4956

ArcSight ESM Field	Device-Specific Field
Name	'Windows Firewall has changed the active profile.'

Event 4957

ArcSight ESM Field	Device-Specific Field
Name	'Windows Firewall did not apply the following rule.'
Device Custom String 6	RuleName
Device Custom String 4	RuleAttr (Error Information)

Event 4958

ArcSight ESM Field	Device-Specific Field
Name	'Windows Firewall did not apply the following rule because the rule referred to items not configured on this computer.'
Device Custom String 4	Error

Event 4960

ArcSight ESM Field	Device-Specific Field
Name	'IPsec dropped an inbound packet that failed an integrity check. If this problem persists, it could indicate a network issue or that packets are being modified in transit to this computer. Verify that the packets sent from the remote computer are the same as those received by this computer. This error might also indicate interoperability problems with other IPsec implementations.'

Event 4961

ArcSight ESM Field	Device-Specific Field
Name	'IPsec dropped an inbound packet that failed a replay check. If this problem persists, it could indicate a replay attack against this computer.'

Event 4962

ArcSight ESM Field	Device-Specific Field
Name	'IPsec dropped an inbound packet that failed a replay check. The inbound packet had too low a sequence number to ensure it was not a replay.'

Event 4963

ArcSight ESM Field	Device-Specific Field
Name	'IPsec dropped an inbound clear text packet that should have been secured. This is usually due to the remote computer changing its IPsec policy without informing this computer. This could also be a spoofing attack attempt.'

Event 4964

ArcSight ESM Field	Device-Specific Field
Name	'Special groups have been assigned to a new login.'
Source User Name	SubjectUserName
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Destination User Name	TargetUserName
Destination NT Domain	TargetDomainName
Destination User ID	TargetLogonId
Device Custom String 3	TargetLogonGuid
Device Custom String 6	SidList
Device NT Domain	SubjectDomainName

Event 4965

ArcSight ESM Field	Device-Specific Field
Name	'IPsec received a packet from a remote computer with an incorrect Security Parameter Index (SPI). This is usually caused by malfunctioning hardware that is corrupting packets. If these errors persist, verify that the packets sent from the remote computer are the same as those received by this computer. This error may also indicate interoperabiolity problems with other IPsec implementations. In that case, if connectivity is not impeded, then these events can be ignored.'

Event 4976

ArcSight ESM Field	Device-Specific Field
Name	'During Main Mode negotiation, IPsec received an invalid negotiation packet. If this problem persists, it could indicate a network issue or an attempt to modify or replay this negotiation.'
Source Address	LocalAddress

Event 4977

ArcSight ESM Field	Device-Specific Field
Name	'During Quick Mode negotiation, IPsec received an invalid negotiation packet. If this problem persists, it could indicate a network issue or an attempt to modify or replay this negotiation.'
Source Address	LocalAddress

Event 4978

ArcSight ESM Field	Device-Specific Field
Name	'During Extended Mode negotiation, IPsec received an invalid negotiation packet. If this problem persists, it could indicate a network issue or an attempt to modify or replay this negotiation.'
Source Address	LocalAddress

Event 4979

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Main Mode and Extended Mode security associations were established.'

Event 4980

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Main Mode and Extended Mode security associations were established.'

Event 4981

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Main Mode and Extended Mode security associations were established.'
Source Address	LocalAddress

ArcSight ESM Field	Device-Specific Field
Source Port	LocalKeyModPort
Destination Address	RemoteAddress
Destination Port	RemoteKeyModPort

Event 4982

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Main Mode and Extended Mode security associations were established.'
Source Port	LocalKeyModPort
Destination Address	RemoteAddress
Destination Port	RemoteKeyModPort

Event 4983

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Extended Mode negotiation failed. The corresponding Main Mode security association has been deleted.'
Source Address	LocalAddress
Source Port	LocalKeyModPort
Destination Address	RemoteAddress
Destination Port	RemoteKeyModPort
Message	FailureReason
Device Custom String 4	Failure

Event 4984

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Extended Mode negotiation failed. The corresponding Main Mode security association has been deleted.'
Source Address	LocalAddress
Source Port	LocalKeyModPort
Destination Address	RemoteAddress

ArcSight ESM Field	Device-Specific Field
Destination Port	RemoteKeyModPort
Message	FailureReason
Device Custom String 4	Failure

Event 4985

ArcSight ESM Field	Device-Specific Field
Name	'The state of a transaction has changed.'
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5024

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Service has started successfully.'

Event 5025

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Service has been stopped.'

Event 5027

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Service was unable to retrieve the security policy from the local storage. The service will continue enforcing the current policy.'
Device Custom String 4	ErrorCode

Event 5028

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Service was unable to parse the new security policy. The service will continue with currently enforced policy.'
Device Custom String 4	ErrorCode

Event 5029

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Service failed to initialize the driver.l The service will continue to enforce the current policy.'
Device Custom String 4	ErrorCode

Event 5030

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Service failed to start.'
Device Custom String 4	ErrorCode

Event 5031

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Service blocked an application from accepting incoming connections on the network.'

Event 5032

ArcSight ESM Field	Device-Specific Field
Name	'Windows Firewall was unable to notify the user that it blocked an application from accepting incoming connections on the network.'
Device Custom String 4	ErrorCode

Event 5033

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Driver has started successfully.'
Message	" "

Event 5034

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Driver has been stopped..'

Event 5035

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Driver failed to start.'
Device Custom String 4	ErrorCode

Event 5037

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Firewall Driver detected critical runtime error. Terminating.'
Device Custom String 4	ErrorCode

Event 5038

ArcSight ESM Field	Device-Specific Field
Name	'Code integrity determined that the image hash of a file is not valid. The file could be corrupt due to unauthorized modification or the invalid hash could indicate a potential disk device error.'

Event 5039

ArcSight ESM Field	Device-Specific Field
Name	'A registry key was virtualized.'
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5040

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to IPsec settings. An Authentication Set was added.'

Event 5041

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to IPsec settings. An Authentication Set was modified.'

Event 5042

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to IPsec settings. An Authentication Set was deleted.'

Event 5043

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to IPsec settings. A Connection Security Rule was added.'

Event 5044

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to IPsec settings. A Connection Security Ruloe was modified.'

Event 5045

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to IPsec settings. A Connection Security Rule was deleted.'

Event 5046

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to IPsec settings. A Crypto Set was added.'

Event 5047

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to IPsec settings. A Crypto Set was modified.'

Event 5048

ArcSight ESM Field	Device-Specific Field
Name	'A change has been made to IPsec settings. A Crypto Set was deleted.'

Event 5049

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Security Association was deleted.'

Event 5050

ArcSight ESM Field	Device-Specific Field
Name	'An attempt to programmatically disable the Windows Firewall using a call to INetFwProfile.FirewallEnabled(FALSE) interface was rejected because this API is not supported on Windows Vista. This has most likely occurred due to a program which is incompatible with Windows Vista. Please contact the program's manufacturer to make sure you have a Windows Vista compatible program version.'

Event 5051

ArcSight ESM Field	Device-Specific Field
Name	'A file was virtualized.'
Destination User ID	SubjectLogonId
Destination Process Name	ProcessName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5056

ArcSight ESM Field	Device-Specific Field
Name	'A cryptographic self test was performed.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5057

ArcSight ESM Field	Device-Specific Field
Name	'A cryptographic primitive operation failed.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)

ArcSight ESM Field	Device-Specific Field
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Message	Reason
Reason	ReturnCode

Event 5058

ArcSight ESM Field	Device-Specific Field
Name	'Key file operation.'
File Name	KeyName
File Type	KeyType
File Path	KeyFilePath
Device Action	Operation
Device Custom Date 1	ClientCreationTime
Device Custom String 1	ProviderName
Device Custom String 3	AlogorithmName
Device Custom String 4	ReturnCode
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Source Process Id	ClientProcessId

Event 5059

ArcSight ESM Field	Device-Specific Field
Name	'Key migration operation.'
File Name	KeyName
File Type	KeyType
Device Action	Operation
Device Custom String 4	ReturnCode

ArcSight ESM Field	Device-Specific Field
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5060

ArcSight ESM Field	Device-Specific Field
Name	'Verification operation failed.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5061

ArcSight ESM Field	Device-Specific Field
Name	'Cryptographic operation.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5062

ArcSight ESM Field	Device-Specific Field
Name	'A kernel-mode cryptographic self test was performed.'

Event 5063

ArcSight ESM Field	Device-Specific Field
Name	'A cryptographic provider opration was attempted.'
Destination User ID	SubjectLogonId

ArcSight ESM Field	Device-Specific Field
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5064

ArcSight ESM Field	Device-Specific Field
Name	'A cryptographic context operation was attempted.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5065

ArcSight ESM Field	Device-Specific Field
Name	'A cryptographic context modification was attempted.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5066

ArcSight ESM Field	Device-Specific Field
Name	'A cryptographic function operation was attempted.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5067

ArcSight ESM Field	Device-Specific Field
Name	'A cryptographic function modification was attempted.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5068

ArcSight ESM Field	Device-Specific Field
Name	'A cryptographic function provider operation was attempted.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5069

ArcSight ESM Field	Device-Specific Field
Name	'A cryptographic function property operation was attempted.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5070

ArcSight ESM Field	Device-Specific Field
Name	'A cryptographic function property modification was attempted.'
Destination User ID	SubjectLogonId

ArcSight ESM Field	Device-Specific Field
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5071

ArcSight ESM Field	Device-Specific Field
Name	'Key access denied by Microsoft key distribution service.'
Device Custom String 5	SecurityDescriptor
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5120

ArcSight ESM Field	Device-Specific Field
Name	'OCSP Responder Service Started.'

Event 5121

ArcSight ESM Field	Device-Specific Field
Name	'OCSP Responder Service Stopped.'

Event 5122

ArcSight ESM Field	Device-Specific Field
Name	'A Configuration entry changed in the OCSP Responder Service.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5123

ArcSight ESM Field	Device-Specific Field
Name	'A configuration entry changed in the OCSP Responder Service.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5124

ArcSight ESM Field	Device-Specific Field
Name	'A security setting was updated on OCSP Responder Service.'

Event 5125

ArcSight ESM Field	Device-Specific Field
Name	'A request was submitted to OCSP Responder Service.'

Event 5126

ArcSight ESM Field	Device-Specific Field
Name	'Signing Certificate was automatically updated by the OCSP Responder Service.'

Event 5127

ArcSight ESM Field	Device-Specific Field
Name	'The OCSP Revocation provider successfully updated the revocation information.'

Event 5136

ArcSight ESM Field	Device-Specific Field
Name	'A directory service object was modified.'
Device Custom String 6	ObjectDN
Device Custom String 5	ObjectClass
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Device Custom String 4	OperationType

Event 5137

ArcSight ESM Field	Device-Specific Field
Name	'A directory service object was created.'
Device Custom String 6	ObjectDN
Device Custom String 5	ObjectClass
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5138

ArcSight ESM Field	Device-Specific Field
Name	'A directory service object was undeleted.'
Device Custom String 6	NewObjectDN
Device Custom String 5	ObjectClass
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5139

ArcSight ESM Field	Device-Specific Field
Name	'A directory service object was moved.'
Device Custom String 6	NewObjectDN
Device Custom String 5	ObjectClass
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5140

ArcSight ESM Field	Device-Specific Field
Name	'A network share object was accessed.'
Source Address	IpAddress
Device Custom IPv6 Address 2	IpAddress (Source IPv6 Address)
File Path	ShareName
File Type	ObjectType
Device Custom String 6	ShareName
Device Custom String 1	AccessList
Source Port	IpPort
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5141

ArcSight ESM Field	Device-Specific Field
Name	'A directory service object was deleted.'
Device Custom String 6	ObjectDN

ArcSight ESM Field	Device-Specific Field
Device Custom String 5	ObjectClass
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjetDomainName
Device NT Domain	SubjectDomainName

Event 5142

ArcSight ESM Field	Device-Specific Field
Name	'A network share object was added.'
File Path	ShareName
Device Custom String 6	ShareName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User ID	SubjectLogonId

Event 5143

ArcSight ESM Field	Device-Specific Field
Name	'A network share object was modified.'
File Path	ShareName
Device Custom String 5	ObjectType
Device Custom String 6	ShareName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User ID	SubjectLogonId

Event 5144

ArcSight ESM Field	Device-Specific Field
Name	'A network share object was deleted.'
File Path	ShareName
Device Custom String 6	ShareName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User ID	SubjectLogonId

Event 5145

ArcSight ESM Field	Device-Specific Field
Name	'A network share object was checked to see whether client can be granted desired access.'
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
Source Address	IpAddress
Device Custom IPv6 Address 2	IpAddress (Source IPv6 Address)
Device Custom String 1	AccessList
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Destination User ID	SubjectLogonId
Source Port	IpPort
Device Custom String 6	ShareName
File Path	ShareLocalPath
File Name	RelativeTargetName

Event 5146

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Filtering Platform has blocked a packet.'
Device Direction	Direction
Source Address	SourceAddress
Device Custom IPv6 Address 2	SourceAddress (Source IPv6 Address)
Destination Address	DestAddress
Device Custom IPv6 Address 3	DestAddress (Destination IPv6 Address)
Source Port	SourceSwitchPort
Destination Port	DestinationvSwitchPort

Event 5147

ArcSight ESM Field	Device-Specific Field
Name	'A more restrictive Windows Filtering Platform filter has blocked a packet.'
Device Direction	Direction
Source Address	SourceAddress
Device Custom IPv6 Address 2	SourceAddress (Source IPv6 Address)
Destination Address	DestAddress
Device Custom IPv6 Address 3	DestAddress (Destination IPv6 Address)
Source Port	SourceSwitchPort
Destination Port	DestinationvSwitchPort

Event 5152

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Filtering Platform blocked a packet.'
Source Address	SourceAddress
Source Port	SourcePort
Destination Address	DestAddress

ArcSight ESM Field	Device-Specific Field
Destination Port	DestPort
File Name	Application
File Path	Application
File Type	Application

Event 5153

ArcSight ESM Field	Device-Specific Field
Name	'A more restrictive Windows Filtering Platform filter has blocked a packet.'
Source Port	SourcePort
Destination Port	DestPort
File Name	Application
File Path	Application
File Type	Application

Event 5154

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Filtering platform has permitted an application or service to listen on a port for incoming connections.'
Source Address	SourceAddress
Device Custom IPv6 Address 2	SourceAddress (Source IPv6 Address)
Source Port	SourcePort
File Name	Application
File Path	Application
File Type	Application

Event 5155

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Filtering Platform has blocked an application or service from listening on a port for incoming connections.'
Source Port	SourcePort

ArcSight ESM Field	Device-Specific Field
File Name	Application
File Path	Application
File Type	Application

Event 5156

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Filtering Platform has allowed a connection.'
Device Direction	Direction
Source Address	One of (SourceAddress)
Device Custom IPv6 Address 2	SourceAddress (Source IPv6 Address)
Source Port	SourcePort
Destination Address	One of (DestAddress)
Device Custom IPv6 Address 3	DestAddress (Destination IPv6 Address)
Destination Port	DestPort
Transport Protocol	Protocol
File Name	Application
File Path	Application
File Type	Application

Event 5157

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Filtering Platform has blocked a connection.'
Source Port	SourcePort
Destination Port	DestPort
File Name	Application
File Path	Application
File Type	Application

Event 5158

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Filtering Platform has permitted a bind to a local port.'
Source Address	SourceAddress
Device Custom IPv6 Address 2	SourceAddress (Source IPv6 Address)
Source Port	SourcePort
File Name	Application
File Path	Application
File Type	Application

Event 5159

ArcSight ESM Field	Device-Specific Field
Name	'The Windows Filtering Platform has blocked a bind to a local port.'
Source Process ID	ProcessId
File Name	Application
File Path	Application
File Type	Application
Source Address	SourceAddress
Destination Address	SourceAddress
Transport Protocol	Protocol
Device Custom Number 2	FilterRTID
Device Custom String 6	LayerName
Device Custom Number 3	LayerRTID
Source Port	SourcePort

Event 5168

ArcSight ESM Field	Device-Specific Field
Name	'Spn check for SMB/SMB2 fails.'
Destination User Name	' '
Source User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	' '
Source NT Domain	SubjectDomainName
Destination User ID	' '
Source User ID	SubjectLogonId
Destination Service Name	SpnName
Device Custom String 4	ErrorCode
Device NT Domain	SubjectDomainName
Reason	ErrorCode

Event 5376

ArcSight ESM Field	Device-Specific Field
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device Custom Date 1	ProcessCreationTime
Device NT Domain	SubjectDomainName
File Path	BackupFileName
Message	'This event occurs when a user backs up their own Credential Manager credentials. A user (even an Administrator) cannot back up the credentials of an account other than his own.'
Name	'Credential Manager credentials were backed up.'
Source Process ID	ClientProcessId

Event 5377

ArcSight ESM Field	Device-Specific Field
Device Custom Date 1	ProcessCreationTime
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
File Path	BackupFileName
Message	'This event occurs when a user restores his Credential Manager credentials from a backup. A user (even an Administrator) cannot restore the credentials of an account other than his own.'
Name	'Credential Manager credentials were restored from a backup.'
Source Process ID	ClientProcessId

Event 5378

ArcSight ESM Field	Device-Specific Field
Name	'The requested credentials delegation was disallowed by policy.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5379

ArcSight ESM Field	Device-Specific Field
Destination Process Name	TargetName
Device Custom Date 1	ProcessCreationTime
Device Custom Number 1	Type
Device Custom Number 2	CountOfCredentialsReturned
Device Custom String 3	ReadOperation

ArcSight ESM Field	Device-Specific Field
Reason	ReturnCode
Source Nt Domain	SubjectDomainName
Source User Name	SubjectUserName or SubjectUserSid
Source User Id	SubjectLogonId
Source Process Id	ClientProcessId

Event 5380

ArcSight ESM Field	Device-Specific Field
Device Custom Date 1	ProcessCreationTime
Device Custom Number 2	CountOfCredentialsReturned
Device Custom String 4	SchemaFriendlyName
Request Context	SearchString
Source Nt Domain	SubjectDomainName
Source User Name	SubjectUserName or SubjectUserSid
Source User Id	SubjectLogonId
Source Process Id	ClientProcessId

Event 5381

ArcSight ESM Field	Device-Specific Field
Device Custom Date 1	ProcessCreationTime
Device Custom Number 2	CountOfCredentialsReturned
Device Custom Number 3	Flags
Source Nt Domain	SubjectDomainName
Source User Name	SubjectUserName or SubjectUserSid
Source User Id	SubjectLogonId
Source Process Id	ClientProcessId

Event 5382

ArcSight ESM Field	Device-Specific Field
Device Custom Date 1	ProcessCreationTime
Device Custom Number 3	Flags
Device Custom String 4	SchemaFriendlyName
Device Custom String 5	PackageSid
Device Custom String 6	Identity
Reason	ReturnCode
Source Nt Domain	SubjectDomainName
Source User Name	SubjectUserName or SubjectUserSid
Source User Id	SubjectLogonId
Source Process Id	ClientProcessId

Event 5440

ArcSight ESM Field	Device-Specific Field
Name	'The following callout was present when the Windows Filtering Platform Base Filtering Engine started.'

Event 5441

ArcSight ESM Field	Device-Specific Field
Name	'The following filter was present when the Windows Filtering Platform Base Filtering Engine started.'

Event 5442

ArcSight ESM Field	Device-Specific Field
Name	'The following provider was present when the Windows Filtering Platform Base Filtering Engine started.'

Event 5443

ArcSight ESM Field	Device-Specific Field
Name	'The following provider context was present when the Windows Filtering Platform Base Filtering Engine started.'

Event 5444

ArcSight ESM Field	Device-Specific Field
Name	'The following sub-layer was present when the Windows Fitlering Platform Base Filtering Engine started.'

Event 5446

ArcSight ESM Field	Device-Specific Field
Name	'A Windows Filtering Platform callout has been changed.'
Destination User Name	One of (UserName, UserSid)

Event 5447

ArcSight ESM Field	Device-Specific Field
Name	'A Windows Filtering Platform filter has been changed.'
Destination User Name	One of (UserName, UserSid)

Event 5448

ArcSight ESM Field	Device-Specific Field
Name	'A Windows Filtering Platform provider has been changed.'
Destination User Name	One of (UserName, UserSid)

Event 5449

ArcSight ESM Field	Device-Specific Field
Name	'A Windows Filtering Platform provider context has been changed.'
Destination User Name	One of (UserName, UserSid)

Event 5450

ArcSight ESM Field	Device-Specific Field
Name	'A Windows Filtering Platform sub-layer has been changed.'
Destination User Name	One of (UserName, UserSid)

Event 5451

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Quick Mode security association was established.'
Source Address	LocalAddress
Source Port	LocalPort
Destination Address	RemoteAddress
Destination Port	RemotePort

Event 5452

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec Quick Mode security association ended.'
Source Address	LocalAddress
Source Port	LocalPort
Destination Address	RemoteAddress
Destination Port	RemotePort

Event 5453

ArcSight ESM Field	Device-Specific Field
Name	'An IPsec negotiation with a remote computer failed because the IKE and AuthIP IPsec Keying Modules (IKEEXT) service is not started.'

Event 5456

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine applied Active Directory storage IPsec policy on the computer.'

Event 5457

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine failed to apply Active Directory storage IPsec policy on the computer.'

Event 5458

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine applied locally cached copy of Active Directory storage IPsec on the computer.'

Event 5459

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine failed to apply locally cached copy of Active Directory storage IPsec policy on the computer.'
Device Custom String 4	Error

Event 5460

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine applied local registry storage IPsec policy on the computer.'

Event 5461

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine failed to apply local registry storage IPsec policy on the computer.'
Device Custom String 4	Error

Event 5462

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine failed to apply some rules of the active IPsec policy on the computer. Use the IP Security Monitor snap-in to diagnose the problem.'
Device Custom String 4	Error

Event 5463

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine Polled for changes to the active IPsec policy and detected no changes.'

Event 5464

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine polled for changes to the active IPsec policy, detected changes, and applied them to IPsec Services.'

Event 5465

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine received a control for forced reloading of IPsec policy and processed the control successfully.'

Event 5466

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine polled for changes to the Active Directory IPsec policy, determined that Active Directory cannot be reached, and will use the cached copy of the Active Directory IPsec policy instead. Any changes made to the Active Directory IPsec policy since the last poll could not be applied.'

Event 5467

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine polled for changes to the Active Directory IPsec policy, determined that Active Directory can be reached, and found no changes to the policy. The cached copy of the Active Directory IPsec policy is no longer being used.'

Event 5468

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine polled for changes to the Active Directory IPsec policy, determined that Active Directory can be reached, found changes to the policy, and applied those changes. The cached copy of the Active Directory IPsec policy is no longer being used.'

Event 5471

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine loaded local storage IPsec policy on the computer.'

Event 5472

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine failed to load local storage IPsec policy on the computer.'
Device Custom String 4	Error

Event 5473

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine loaded directory storage IPsec policy on the computer.'

Event 5474

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine failed to load directory storage IPsec policy on the computer.'
Device Custom String 4	Error

Event 5477

ArcSight ESM Field	Device-Specific Field
Name	'PAStore Engine failed to add quick mode filter.'
Device Custom String 4	Error

Event 5478

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Services has started successfully.'

Event 5479

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Services has been shut down successfully. The shutdown of IPsec Services can put the computer at greater risk of network attack or expose the computer to potential security risks.'

Event 5480

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Services fialed to get the complete list of network interfaces on the computer. This poses a potential security risk because some of the network interfaces may not get the protection provided by the applied IPsec filters. Use the IP Security Monitor snap-in to diagnose the problem.'

Event 5483

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Services failed to initialize RPC server. IPsec Services could not be started.'
Device Custom String 4	Error

Event 5484

ArcSight ESM Field	Device-Specific Field
Name	'IPsec Services has experienced a critical failure and has been shut down. The shutdown of IPsec Services can put the computer at greater risk of network attack or expose the computer to potential security risks.'
Device Custom String 4	Error

Event 5632

ArcSight ESM Field	Device-Specific Field
Name	'A request was made to authenticate to a wireless network.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, Identity)
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName
Device Custom String 4	One of (ReasonCode, ErrorCode)
Reason	One of (EAPErrorCode, EAPReasonCode, ErrorCode, both (ReasonText, ReasonCode)

Event 5633

ArcSight ESM Field	Device-Specific Field
Name	'A request was made to authenticate to a wired network.'
Destination User ID	SubjectLogonId
Destination User Name	One of (SubjectUserName, Identity)
Destination NT Domain	SubjectDomainName

ArcSight ESM Field	Device-Specific Field
Device NT Domain	SubjectDomainName
Device Outbound Interface	InterfaceName
Device Custom String 4	One of (ReasonCode, ErrorCode)
Reason	One of (ErrorCode, both (ReasonText, ReasonCode)

Event 5712

ArcSight ESM Field	Device-Specific Field
Name	'A Remote Procedure Call (RPC) was attempted.'
Destination NT Domain	SubjectDomainName
Device NT Domain	SubjectDomainName

Event 5888

ArcSight ESM Field	Device-Specific Field
Name	'An object in the COM+ Catalog was modified.'
Destination User ID	SubjectLogonId
File Name	ObjectIdentifyingProperties
Destination user Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectUserDomainName
Device NT Domain	SubjectUserDomain Name

Event 5889

ArcSight ESM Field	Device-Specific Field
Name	'An object was deleted from the COM+ Catalog.'
Destination User ID	SubjectLogonId
File Name	ObjectIdentifyingProperties
Destination user Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectUserDomainName
Device NT Domain	SubjectUserDomain Name
Message	'This event occurs when an object is deleted from the COM+ catalog.'

Event 5890

ArcSight ESM Field	Device-Specific Field
Name	'An object was added to the COM+ Catalog.'
Destination User ID	SubjectLogonId
File Name	ObjectIdentifyingProperties
Destination user Name	One of (SubjectUserName, SubjectUserSid)
Destination NT Domain	SubjectUserDomainName
Device NT Domain	SubjectUserDomain Name

Event 6144

ArcSight ESM Field	Device-Specific Field
Name	'Security policy in the group policy objects has been applied successfully.'

Event 6145

ArcSight ESM Field	Device-Specific Field
Name	'One or more errors occurred while processing security policy I nthe group policy objects.'
Device Custom String 4	ErrorCode

Event 6272

ArcSight ESM Field	Device-Specific Field
Name	'Network Policy Server granted access to a user.'
Destination User Name	SubjectUserName
Destination NT Domain	SubjectDomainName
Destination User ID	FullyQualifiedSubjectUserName
Destination Address	NASIPv4Address
Destination Port	NASPort
Source User Name	SubjectMachineName
Source User ID	FullyQualifiedSubjectMachineName

ArcSight ESM Field	Device-Specific Field
Source Address	CallingStationID
Device Custom String 1	ProxyPolicyName
Device Custom String 3	ClientIPAddress
Device Custom String 5	AuthenticationType
Device Custom String 6	AccountSessionIdentifier
Destination User Privileges	QuarantineState

Event 6273

ArcSight ESM Field	Device-Specific Field
Name	'Network Policy Server denied access to a user. Contact the Network Policy Server administrator for more information.'
Destination User Name	SubjectUserName
Destination NT Domain	SubjectDomainName
Destination User ID	FullyQualifiedSubjectUserName
Destination Address	NASIPv4Address
Destination Port	NASPort
Source User Name	SubjectMachineName
Source User ID	FullyQualifiedSubjectMachineName
Source Address	CallingStationID
Device Custom String 1	ProxyPolicyName
Device Custom String 3	ClientIPAddress
Device Custom String 4	Reason
Device Custom String 5	AuthenticationType
Device Custom String 6	AccountSessionIdentifier

Event 6274

ArcSight ESM Field	Device-Specific Field
Name	'Network Policy Server discarded the request for a user. . Contact the Network Policy Server administrator for more information.'

Event 6275

ArcSight ESM Field	Device-Specific Field
Name	'Network Policy Server discarded the accounting request for a user. . Contact the Network Policy Server administrator for more information.'

Event 6276

ArcSight ESM Field	Device-Specific Field
Name	'Network Policy Server quarantined a user. . Contact the Network Policy Server administrator for more information.'

Event 6277

ArcSight ESM Field	Device-Specific Field
Name	'Network Policy Server granted access to a user but put it on probation because the host did not meet the defined health policy . Contact the Network Policy Server administrator for more information.'

Event 6278

ArcSight ESM Field	Device-Specific Field
Name	'Network Policy Server granted full access to a user because the host met the defined health policy.'
Destination User Name	SubjectUserName
Destination NT Domain	SubjectDomainName
Destination User ID	FullyQualifiedSubjectUserName
Source User Name	SubjectMachineName
Source User ID	FullyQualifiedSubjectMachineName
Source Address	CallingStationID
Device Custom String 1	ProxyPolicyName
Device Custom String 3	ClientIPAddress
Destination Address	NASIPv4Address
Destination Port	NASPort

ArcSight ESM Field	Device-Specific Field
Device Custom String 5	AuthenticationType
Device Custom String 6	AccountSessionIdentifier
Destination User Privileges	QuarantineState

Event 6279

ArcSight ESM Field	Device-Specific Field
Name	'Network Policy Server locked the user account due to repeated failed authentication attempts.'
Destination User Name	SubjectUserName
Destination NT Domain	SubjectDomainName
Destination User ID	FullyQualifiedSubjectUserName

Event 6280

ArcSight ESM Field	Device-Specific Field
Name	'Network Policy Server unlocked the user account.'
Destination User Name	SubjectUserName
Destination NT Domain	SubjectDomainName
Destination User ID	FullyQualifiedSubjectUserName

Event 6281

ArcSight ESM Field	Device-Specific Field
Name	'Code Integrity determined that the page hashes or an image file are not valid.'
File Path	Param1
Message	'The file could be improperly signed without page hashes or corrupt due to unauthorized modification. The invalid hashes could indicate a potential disk device error.'

Event 6409

ArcSight ESM Field	Device-Specific Field
Name	'BranchCache: A service connection point object could not be parsed.'

Event 6410

ArcSight ESM Field	Device-Specific Field
Name	'Code integrity determined that a file does not meet the security requirements to load into a process.'
Message	'This could be due to the use of shared sections or other issues.'
File Name	param1

Event 6416

ArcSight ESM Field	Device-Specific Field
Name	'A new external device was recognized by the system.'
Source UJser Name	One of (SubjectUserName, SubjectUserSid)
Source NT Domain	SubjectDomainName
Source User ID	SubjectLogonId
File ID	ClassId
Device Custom String 1	VendorIds
Device Custom String 4	CompatibleIds
Device Custom String 5	LocationInformation
Message	'A new external device was recognized by the system.'

Event 8191

ArcSight ESM Field	Device-Specific Field
Name	'Highest System-Defined Audit Message Value.'

Microsoft OAlerts

Event 300

ArcSight ESM Field	Device-Specific Field
Name	Microsoft Office Alerts
Device Product	OAlerts
File Type	%1
Message	%2
Device Version	%4

Mappings for DNS Client Operational

Event 1015

ArcSight Field	Vendor Field
Name	"Name resolution timed out after the DNS server did not respond"
Device Custom String 1	QueryName
Destination Address	Address
Destination Port	Address

Event 1016

ArcSight Field	Vendor Field
Name	"A name not found error was returned"
Device Custom String 1	QueryName
Destination Address	Address
Destination Port	Address

Event 1017

ArcSight Field	Vendor Field
Name	"The DNS server's response to a query"
Device Custom String 1	QueryName
Destination Address	Address
Destination Port	Address

Event 3006

ArcSight Field	Vendor Field
Name	"DNS query is called"
Device Custom String 1	QueryName
Device Custom String 5	ServerList
Device Custom Number 1	QueryType
Device Custom Number 2	QueryOptions
Device Custom Number 3	InterfaceIndex

Event 3008

ArcSight Field	Vendor Field
Name	"DNS query is completed"
Device Custom String 1	QueryName
Device Custom String 3	QueryResults
Device Custom Number 1	QueryType
Device Custom Number 2	QueryOptions
Device Custom Number 3	QueryStatus

Event 3009

ArcSight Field	Vendor Field
Name	"Network query initiated"
Device Custom String 1	QueryName

ArcSight Field	Vendor Field
Device Custom String 4	AdapterName
Device Custom Number 1	InterfaceCount
Device Custom Number 2	NetworkIndex
Device Custom String 6	LocalAddress
Device Dns Domain	DNSServerAddress

Event 3010

ArcSight Field	Vendor Field
Name	"DNS Query sent to DNS Server"
Device Custom String 1	QueryName
Device Custom Number 1	QueryType
Device Dns Domain	DnsServerIpAddress

Event 3011

ArcSight Field	Vendor Field
Name	"Received response from DNS Server"
Device Custom String 1	QueryName
Device Custom Number 1	QueryType
Device Dns Domain	DnsServerIpAddress
Event Outcome	ResponseStatus

Event 3012

ArcSight Field	Vendor Field
Name	"NETBIOS query is initiated"
Device Custom String 1	QueryName
Device Custom String 4	AdapterName
Device Custom Number 1	InterfaceCount
Device Custom Number 2	NetworkIndex
Device Custom String 6	LocalAddress

Event 3013

ArcSight Field	Vendor Field
Name	"NETBIOS query is completed"
Device Custom String 1	QueryName
Device Custom String 3	QueryResults
Event Outcome	Status

Event 3014

ArcSight Field	Vendor Field
Name	"NETBIOS query is pending"
Device Custom String 1	QueryName

Event 3016

ArcSight Field	Vendor Field
Name	"Cache lookup called"
Device Custom String 1	QueryName
Device Custom Number 2	QueryType
Device Custom Number 3	InterfaceIndex

Event 3018

ArcSight Field	Vendor Field
Name	"Cache lookup for name"
Device Custom String 1	QueryName
Device Custom String 3	QueryResults
Device Custom Number 1	QueryType
Device Custom Number 2	QueryOptions

Event 3019

ArcSight Field	Vendor Field
Name	"Query wire called"
Device Custom String 1	QueryName
Device Custom Number 1	QueryType
Device Custom Number 2	NetworkIndex
Device Custom Number 3	InterfaceIndex

Event 3020

ArcSight Field	Vendor Field
Name	"Query response for name"
Device Custom String 1	QueryName
Device Custom String 3	QueryResults
Device Custom Number 1	QueryType
Device Custom Number 2	NetworkIndex
Device Custom Number 3	InterfaceIndex
Event Outcome	Status

Windows Event Log Event Descriptions by Category

Category	Subcategory	ID	Message Summary
Account Logon	Credential Validation	4774	An account was mapped for logon.
	Credential Validation	4775	An account could not be mapped for logon.
	Credential Validation	4776	The domain controller attempted to validate the credentials for an account.
	Credential Validation	4777	The domain controller failed to validate the credentials for an account.
	Kerberos Authentication Service	4768	A Kerberos authentication ticket (TGT) was requested.
	Kerberos Authentication Service	4771	Kerberos pre-authentication failed.
	Kerberos Authentication Service	4772	A Kerberos authentication ticket request failed.
	Kerberos Service Ticket Operations	4769	A Kerberos service ticket was requested.
	Kerberos Service Ticket Operations	4770	A Kerberos service ticket was renewed.
Account Management	Application Group Management	4783	A basic application group was created.
		4784	A basic application group was changed.
		4785	A member was added to a basic application group.
		4786	A member was removed from a basic application group.
		4787	A non-member was added to a basic application group.
		4788	A non-member was removed from a basic application group.
		4789	A basic application group was deleted.
		4790	An LDAP query group was created.

Category	Subcategory	ID	Message Summary
	Computer Account Management	4742	A computer account was changed.
		4743	A computer account was deleted.
Account Management	Distribution Group Management	4744	A security-disabled local group was created.
		4745	A security-disabled local group was changed.
		4746	A member was added to a security-disabled local group.
		4747	A member was removed from a security-disabled local group.
		4748	A security-disabled local group was deleted.
		4749	A security-disabled global group was created.
		4750	A security-disabled global group was changed.
		4751	A member was added to a security-disabled global group.
		4752	A member was removed from a security-disabled global group.
		4753	A security-disabled global group was deleted.
		4759	A security-disabled universal group was created.
		4760	A security-disabled universal group was changed.
		4761	A member was added to a security-disabled universal group.
		4762	A member was removed from a security-disabled universal group.
		4763	A security-disabled universal group was deleted.
Account Management	Other Account Management Events	4782	The password hash an account was accessed.
		4793	The Password Policy Checking API was called.
		4797	An attempt was made to query the existence of a blank password for an account.

Category	Subcategory	ID	Message Summary
Account Management	Security Group Management	4727	A security-enabled global group was created.
		4728	A member was added to a security-enabled global group.
		4729	A member was removed from a security-enabled global group.
		4730	A security-enabled global group was deleted.
		4731	A security-enabled local group was created.
		4732	A member was added to a security-enabled local group.
		4733	A member was removed from a security-enabled local group.
		4734	A security-enabled local group was deleted.
		4735	A security-enabled local group was changed.
		4737	A security-enabled global group was changed.
		4754	A security-enabled universal group was created.
		4755	A security-enabled universal group was changed.
		4756	A member was added to a security-enabled universal group.
		4757	A member was removed from a security-enabled universal group.
		4799	A security-enabled local group membership was enumerated
Account Management	User Account Management	4758	A security-enabled universal group was deleted.
		4764	A group’s type was changed.

Category	Subcategory	ID	Message Summary
		4720	A user account was created.
		4722	A user account was enabled.
		4723	An attempt was made to change an account's password.
		4724	An attempt was made to reset an account's password.
		4725	A user account was disabled.
		4726	A user account was deleted.
		4738	A user account was changed.
		4740	A user account was locked out.
		4765	SID History was added to an account.
		4766	An attempt to add SID History to an account failed.
		4767	A user account was unlocked.
		4780	The ACL was set on accounts which are members of administrators groups.
		4781	The name of an account was changed:
		4794	An attempt was made to set the Directory Services Restore Mode.
		4798	A user’s local group membership was enumerated.
		5376	Credential Manager credentials were backed up.
		5377	Credential Manager credentials were restored from a backup.
Detailed Tracking	DPAPI Activity	4692	Backup of data protection master key was attempted.
		4693	Recovery of data protection master key was attempted.
		4694	Protection of auditable protected data was attempted.
		4695	Unprotection of auditable protected data was attempted.
	Process Creation	4688	A new process has been created.
		4696	A primary token was assigned to process.
	Process Termination	4689	A process has exited.
	RPC Events	5712	A Remote Procedure Call (RPC) was attempted.

Category	Subcategory	ID	Message Summary
DS Access	Detailed Directory Service Replication	4928	An Active Directory replica source naming context was established.
		4929	An Active Directory replica source naming context was removed.
		4930	An Active Directory replica source naming context was modified.
		4931	An Active Directory replica destination naming context was modified.
		4934	Attributes of an Active Directory object were replicated.
		4935	Replication failure begins.
		4936	Replication failure ends.
		4937	A lingering object was removed from a replica.
DS Access	Directory Service Access	4662	An operation was performed on an object.
	Directory Service Changes	5136	A directory service object was modified.
		5137	A directory service object was created.
		5138	A directory service object was undeleted.
		5139	A directory service object was moved.
		5141	A directory service object was deleted.
	Directory Service Replication	4932	Synchronization of a replica of an Active Directory naming context has begun.
		4933	Synchronization of a replica of an Active Directory naming context has ended.
Logon/Logoff	Account Lockout	4625	An account failed to logon
	IPsec Extended Mode	4978	During Extended Mode negotiation, IPsec received an invalid negotiation packet. If this problem persists, it could indicate a network issue or an attempt to modify or replay this negotiation.
		4979	IPsec Main Mode and Extended Mode security associations were established.
		4980	
		4981	
		4982	
		4983	An IPsec Extended Mode negotiation failed. The corresponding Main Mode security association has been deleted.

Category	Subcategory	ID	Message Summary
		4984	An IPsec Extended Mode negotiation failed. The corresponding Main Mode security association has been deleted.
Logon/Logoff	IPsec Main Mode	4646	IKE DoS-prevention mode started.
		4650	An IPsec Main Mode security association was established. Extended Mode was not enabled. Certificate authentication was not used.
		4651	An IPsec Main Mode security association was established. Extended Mode was not enabled. A certificate was used for authentication.
	IPsec Main Mode	4652	An IPsec Main Mode negotiation failed.
		4653	An IPsec Main Mode negotiation failed.
		4655	An IPsec Main Mode security association ended.
		4976	During Main Mode negotiation, IPsec received an invalid negotiation packet. If this problem persists, it could indicate a network issue or an attempt to modify or replay this negotiation.
		5049	An IPsec Security Association was deleted.
		5453	An IPsec negotiation with a remote computer failed because the IKE and AuthIP IPsec Keying Modules (IKEEXT) service is not started.
	IPsec Quick Mode	4654	An IPsec Quick Mode negotiation failed.
		4977	During Quick Mode negotiation, IPsec received an invalid negotiation packet. If this problem persists, it could indicate a network issue or an attempt to modify or replay this negotiation.
		5451	An IPsec Quick Mode security association was established.
		5452	An IPsec Quick Mode security association ended.

Category	Subcategory	ID	Message Summary
Logon/Logoff	Logoff	4634	An account was logged off.
		4647	User initiated logoff.
	Logon	4624	An account was successfully logged on.
		4625	An account failed to log on.
		4626	User/Device claims information.
		4627	Group membership information.
		4648	A logon was attempted using explicit credentials.
		4675	SIDs were filtered.
	Network Policy Server	6272	Network Policy Server granted access to a user.
		6273	Network Policy Server denied access to a user.
		6274	Network Policy Server discarded the request for a user.
		6275	Network Policy Server discarded the accounting request for a user.
		6276	Network Policy Server quarantined a user.
		6277	Network Policy Server granted access to a user but put it on probation because the host did not meet the defined health policy.
		6278	Network Policy Server granted full access to a user because the host met the defined health policy.
		6279	Network Policy Server locked the user account due to repeated failed authentication attempts.
		6280	Network Policy Server unlocked the user account.

Category	Subcategory	ID	Message Summary
Logon/Logoff	Other Logon/Logoff Events	4649	A replay attack was detected.
		4778	A session was reconnected to a Window Station.
		4779	A session was disconnected from a Window Station.
		4800	The workstation was locked.
		4801	The workstation was unlocked.
		4802	The screen saver was invoked.
		4803	The screen saver was dismissed.
	Other Logon/Logoff Events	5378	The requested credentials delegation was disallowed by policy.
		5632	A request was made to authenticate to a wireless network.
		5633	A request was made to authenticate to a wired network.
	Special Logon	4964	Special groups have been assigned to a new logon.

Category	Subcategory	ID	Message Summary
Object Access	Application Generated	4665	An attempt was made to create an application client context.
		4666	An application attempted an operation:
		4667	An application client context was deleted.
		4668	An application was initialized.
	Central Policy Staging	4818	Proposed Central Access Policy does not grant the same access permissions as the current Central Access Policy
	Certification Services	4868	The certificate manager denied a pending certificate request.
		4869	Certificate Services received a resubmitted certificate request.
		4870	Certificate Services revoked a certificate.
		4871	Certificate Services received a request to publish the certificate revocation list (CRL).
		4872	Certificate Services published the certificate revocation list (CRL).
		4873	A certificate request extension changed.
		4874	One or more certificate request attributes changed.
		4875	Certificate Services received a request to shutdown.
		4876	Certificate Services backup started.
		4877	Certificate Services backup completed.
		4878	Certificate Services restore started.
		4879	Certificate Services restore completed.
		4880	Certificate Services started.
		4881	Certificate Services stopped.
		4882	The security permissions for Certificate Services changed.

Category	Subcategory	ID	Message Summary
Object Access	Certification Services	4883	Certificate Services retrieved an archived key.
		4884	Certificate Services imported a certificate into its database.
		4885	The audit filter for Certificate Services changed.
		4886	Certificate Services received a certificate request.
		4887	Certificate Services approved a certificate request and issued a certificate.
		4888	Certificate Services denied a certificate request.
		4889	Certificate Services set the status of a certificate request to pending.
		4890	The certificate manager settings for Certificate Services changed.
		4891	A configuration entry changed in Certificate Services.
		4892	A property of Certificate Services changed.
		4893	Certificate Services archived a key.
		4894	Certificate Services imported and archived a key.
	Certification Services	4895	Certificate Services published the CA certificate to Active Directory Domain Services.
		4896	One or more rows have been deleted from the certificate database.
		4897	Role separation enabled.
		4898	Certificate Services loaded a template.

Category	Subcategory	ID	Message Summary
Object Access	Detailed File Share	5145	A network share object was checked to see whether the client can be granted desired access.
	File Share	5140	A network share object was accessed.
		5142	A network share object was added.
		5143	A network share object was modified.
		5144	A network share object was deleted.
		5168	Spn check for SMB/SMB2 failed.
	File System	4664	An attempt was made to create a hard link.
		4985	The state of a transaction has changed.
		5051	A file was virtualized.
	Filtering Platform Connection	5031	The Windows Firewall Service blocked an application from accepting incoming connections on the network.
		5146	The Windows Filtering Platform has blocked a packet.
		5147	A more restrictive Windows Filtering Platform filter has blocked a packet.
		5150	The Windows Filtering Platform has blocked a packet.
		5151	A more restrictive Windows Filtering Platform filter has blocked a packet.
		5154	The Windows Filtering Platform has permitted an application or service to listen on a port for incoming connections.
		5155	The Windows Filtering Platform has blocked an application or service from listening on a port for incoming connections.
		5156	The Windows Filtering Platform has allowed a connection.
		5157	The Windows Filtering Platform has blocked a connection.
		5158	The Windows Filtering Platform has permitted a bind to a local port.
		5159	The Windows Filtering Platform has blocked a bind to a local port.
Object Access	Filtering Platform Packet Drop	5152	The Windows Filtering Platform blocked a packet.
		5153	A more restrictive Windows Filtering Platform filter has blocked a packet.

Category	Subcategory	ID	Message Summary
Object Access	Handle Manipulation	4656	A handle to an object was requested.
		4658	The handle to an object was closed.
		4690	An attempt was made to duplicate a handle to an object.
Object Access	Other Object Access Events	4671	An application attempted to access a blocked ordinal through the TBS.
		4691	Indirect access to an object was requested.
		4698	A scheduled task was created.
		4699	A scheduled task was deleted.
		4700	A scheduled task was enabled.
		4701	A scheduled task was disabled.
		4702	A scheduled task was updated.
Object Access	Other Object Access Events	5148	The Windows Filtering Platform has detected a DoS attack and entered a defensive mode; packets associated with this attack will be discarded.
		5149	The DoS attack has subsided and normal processing is being resumed.
		5888	An object in the COM+ Catalog was modified.
		5889	An object was deleted from the COM+ Catalog.
		5890	An object was added to the COM+ Catalog.
Object Access	Registry	4657	A registry value was modified.
		5039	A registry key was virtualized.
Object Access	Special	4659	A handle to an object was requested with intent to delete.
		4660	An object was deleted.
		4661	A handle to an object was requested.
		4663	An attempt was made to access an object.

Category	Subcategory	ID	Message Summary
Policy Change	Audit Policy Change	4715	The audit policy (SACL) on an object was changed.
		4719	System audit policy was changed.
		4817	Auditing settings on an object were changed.
		4902	The Per-user audit policy table was created.
		4904	An attempt was made to register a security event source.
		4905	An attempt was made to unregister a security event source.
		4906	The CrashOnAuditFail value has changed.
		4907	Auditing settings on object were changed.
		4908	Special Groups Logon table modified.
		4912	Per User Audit Policy was changed.
Policy Change	Authentication Policy Change	4713	Kerberos policy was changed.
		4716	Trusted domain information was modified.
		4717	System security access was granted to an account.
		4718	System security access was removed from an account.
		4739	Domain Policy was changed.
		4864	A namespace collision was detected.
		4865	A trusted forest information entry was added.
		4866	A trusted forest information entry was removed.
		4867	A trusted forest information entry was modified.
		4703	A token right was adjusted.
Policy Change	Authorization Policy Change	4704	A user right was assigned.
		4705	A user right was removed.
		4706	A new trust was created to a domain.
		4707	A trust to a domain was removed.
		4714	Encrypted data recovery policy was changed.
		4911	Resource attributes of the object were changed.
		4913	Central Access Policy on the object was changed.
Policy Change	Filtering Platform Policy Change	4709	IPsec Services was started.

Category	Subcategory	ID	Message Summary
		4710	IPsec Services was disabled.
Policy Change	Filtering Platform Policy Change	4711	May contain any one of the following: PAStore Engine applied locally cached copy of Active Directory storage IPsec policy on the computer. PAStore Engine applied Active Directory storage IPsec policy on the computer. PAStore Engine applied local registry storage IPsec policy on the computer. PAStore Engine failed to apply locally cached copy of Active Directory storage IPsec policy on the computer. PAStore Engine failed to apply Active Directory storage IPsec policy on the computer. PAStore Engine failed to apply local registry storage IPsec policy on the computer. PAStore Engine failed to apply some rules of the active IPsec policy on the computer. PAStore Engine failed to load directory storage IPsec policy on the computer. PAStore Engine loaded directory storage IPsec policy on the computer. PAStore Engine failed to load local storage IPsec policy on the computer. PAStore Engine loaded local storage IPsec policy on the computer. PAStore Engine polled for changes to the active IPsec policy and detected no changes.

Category	Subcategory	ID	Message Summary
Policy Change	Filtering Platform Policy Change	4712	IPsec Services encountered a potentially serious failure.
		5040	A change has been made to IPsec settings. An Authentication Set was added.
		5041	A change has been made to IPsec settings. An Authentication Set was modified.
		5042	A change has been made to IPsec settings. An Authentication Set was deleted.
		5043	A change has been made to IPsec settings. A Connection Security Rule was added.
		5044	A change has been made to IPsec settings. A Connection Security Rule was modified.
		5045	A change has been made to IPsec settings. A Connection Security Rule was deleted.
		5046	A change has been made to IPsec settings. A Crypto Set was added.
		5047	A change has been made to IPsec settings. A Crypto Set was modified.
		5048	A change has been made to IPsec settings. A Crypto Set was deleted.
Policy Change	Filtering Platform Policy Change	5440	The following callout was present when the Windows Filtering Platform Base Filtering Engine started.
		5441	The following filter was present when the Windows Filtering Platform Base Filtering Engine started.
		5442	The following provider was present when the Windows Filtering Platform Base Filtering Engine started.
		5443	The following provider context was present when the Windows Filtering Platform Base Filtering Engine started.
		5444	The following sub-layer was present when the Windows Filtering Platform Base Filtering Engine started.
		5446	A Windows Filtering Platform callout has been changed.
Policy Change	Filtering Platform Policy Change	5448	A Windows Filtering Platform provider has been changed.

Category	Subcategory	ID	Message Summary
		5449	A Windows Filtering Platform provider context has been changed.
		5450	A Windows Filtering Platform sub-layer has been changed.
		5456	PAStore Engine applied Active Directory storage IPsec policy on the computer.
		5457	PAStore Engine failed to apply Active Directory storage IPsec policy on the computer.
		5458	PAStore Engine applied locally cached copy of Active Directory storage IPsec policy on the computer.
		5459	PAStore Engine failed to apply locally cached copy of Active Directory storage IPsec policy on the computer.
		5460	PAStore Engine applied local registry storage IPsec policy on the computer.
		5461	PAStore Engine failed to apply local registry storage IPsec policy on the computer.
		5462	PAStore Engine failed to apply some rules of the active IPsec policy on the computer. Use the IP Security Monitor snap-in to diagnose the problem.
		5463	PAStore Engine polled for changes to the active IPsec policy and detected no changes.
		5464	PAStore Engine polled for changes to the active IPsec policy, detected changes, and applied them to IPsec Services.
		5465	PAStore Engine received a control for forced reloading of IPsec policy and processed the control successfully.
		5466	PAStore Engine polled for changes to the Active Directory IPsec policy, determined that Active Directory cannot be reached, and will use the cached copy of the Active Directory IPsec policy instead. Any changes made to the Active Directory IPsec policy since the last poll could not be applied.

Category	Subcategory	ID	Message Summary
Policy Change	Filtering Platform Policy Change	5467	PAStore Engine polled for changes to the Active Directory IPsec policy, determined that Active Directory can be reached, and found no changes to the policy. The cached copy of the Active Directory IPsec policy is no longer being used.
		5468	PAStore Engine polled for changes to the Active Directory IPsec policy, determined that Active Directory can be reached, found changes to the policy, and applied those changes. The cached copy of the Active Directory IPsec policy is no longer being used.
		5471	PAStore Engine loaded local storage IPsec policy on the computer.
		5472	PAStore Engine failed to load local storage IPsec policy on the computer.
		5473	PAStore Engine loaded directory storage IPsec policy on the computer.
		5474	PAStore Engine failed to load directory storage IPsec policy on the computer.
		5477	PAStore Engine failed to add quick mode filter.

Category	Subcategory	ID	Message Summary
Policy Change	MPSSVC Rule-Level Policy Change	4944	The following policy was active when the Windows Firewall started.
		4945	A rule was listed when the Windows Firewall started.
		4946	A change has been made to Windows Firewall exception list. A rule was added.
		4947	A change has been made to Windows Firewall exception list. A rule was modified.
		4948	A change has been made to Windows Firewall exception list. A rule was deleted.
		4949	Windows Firewall settings were restored to the default values.
		4950	A Windows Firewall setting has changed.
		4951	A rule has been ignored because its major version number was not recognized by Windows Firewall.
		4952	Parts of a rule have been ignored because its minor version number was not recognized by Windows Firewall. The other parts of the rule will be enforced.
		4953	A rule has been ignored by Windows Firewall because it could not parse the rule.
		4954	Windows Firewall Group Policy settings have changed. The new settings have been applied.
		4956	Windows Firewall has changed the active profile.
		4957	Windows Firewall did not apply the following rule:
		4958	Windows Firewall did not apply the following rule because the rule referred to items not configured on this computer:

Category	Subcategory	ID	Message Summary
Policy Change	Other Policy Change Events	4819	Central Access Policies on the machine have been changed.
		4909	The local policy settings for the TBS were changed.
		4910	The group policy settings for the TBS were changed.
		5063	A cryptographic provider operation was attempted.
		5064	A cryptographic context operation was attempted.
		5065	A cryptographic context modification was attempted.
		5066	A cryptographic function operation was attempted.
		5067	A cryptographic function modification was attempted.
		5068	A cryptographic function provider operation was attempted.
		5069	A cryptographic function property operation was attempted.
		5070	A cryptographic function property modification was attempted.
		5447	A Windows Filtering Platform filter has been changed.
		6144	Security policy in the group policy objects has been applied successfully.
		6145	One or more errors occurred while processing security policy in the group policy objects.
Policy Change	Subcategory (special)	4670	Permissions on an object were changed.
Privilege Use	Sensitive Privilege Use / Non Sensitive Privilege Use	4672	Special privileges assigned to new logon.
		4673	A privileged service was called.
		4674	An operation was attempted on a privileged object.
System	IPsec Driver	4960	IPsec dropped an inbound packet that failed an integrity check. If this problem persists, it could indicate a network issue or that packets are being modified in transit to this computer. Verify that the packets sent from the remote computer are the same as those received by this computer. This error might also indicate interoperability problems with other IPsec implementations.
		4961	IPsec dropped an inbound packet that failed a replay check. If this problem persists, it could indicate a replay attack against this computer.
		4962	IPsec dropped an inbound packet that failed a replay check. The inbound packet had too low a sequence number to ensure it was not a replay.

Category	Subcategory	ID	Message Summary
System	IPsec Driver	4963	IPsec dropped an inbound clear text packet that should have been secured. This is usually due to the remote computer changing its IPsec policy without informing this computer. This could also be a spoofing attack attempt.
		4965	IPsec received a packet from a remote computer with an incorrect Security Parameter Index (SPI). This is usually caused by malfunctioning hardware that is corrupting packets. If these errors persist, verify that the packets sent from the remote computer are the same as those received by this computer. This error may also indicate interoperability problems with other IPsec implementations. In that case, if connectivity is not impeded, then these events can be ignored.
		5478	IPsec Services has started successfully.
		5479	IPsec Services has been shut down successfully. The shutdown of IPsec Services can put the computer at greater risk of network attack or expose the computer to potential security risks.
		5480	IPsec Services failed to get the complete list of network interfaces on the computer. This poses a potential security risk because some of the network interfaces may not get the protection provided by the applied IPsec filters. Use the IP Security Monitor snap-in to diagnose the problem.
		5483	IPsec Services failed to initialize RPC server. IPsec Services could not be started.
		5484	IPsec Services has experienced a critical failure and has been shut down. The shutdown of IPsec Services can put the computer at greater risk of network attack or expose the computer to potential security risks.
		5485	IPsec Services failed to process some IPsec filters on a plug-and-play event for network interfaces. This poses a potential security risk because some of the network interfaces may not get the protection provided by the applied IPsec filters. Use the IP Security Monitor snap-in to diagnose the problem.
System	Other System Events	4820	A Kerberos Ticket-granting-ticket (TGT) was denied because the device does not meet the access control restrictions.
		4821	A Kerberos service ticket was denied because the user, device, or both does not meet the access control restrictions.
		4822	NTLM authentication failed because the account was a member of the Protected User group.

Category	Subcategory	ID	Message Summary
System	Other System Events	4823	NTLM authentication failed because access control restrictions are required.
		4824	Kerberos preauthenti9cation by using DES or RC4 failed bedause the account was a member of the Protected User group
		4826	Boot Configuration Data Loaded.
		5024	The Windows Firewall Service has started successfully.
		5025	The Windows Firewall Service has been stopped.
		5027	The Windows Firewall Service was unable to retrieve the security policy from the local storage. The service will continue enforcing the current policy.
System	Other System Events	5028	The Windows Firewall Service was unable to parse the new security policy. The service will continue with currently enforced policy.
		5029	The Windows Firewall Service failed to initialize the driver. The service will continue to enforce the current policy.
		5030	The Windows Firewall Service failed to start.
		5032	Windows Firewall was unable to notify the user that it blocked an application from accepting incoming connections on the network.
		5033	The Windows Firewall Driver has started successfully.
		5034	The Windows Firewall Driver has been stopped.
		5035	The Windows Firewall Driver failed to start.
		5037	The Windows Firewall Driver detected critical runtime error. Terminating.
		5058	Key file operation.
		5059	Key migration operation.
		6400	BranchCache: Received an incorrectly formatted response while discovering availability of content.
		6401	BranchCache: Received invalid data from a peer. Data discarded.
		6402	BranchCache: The message to the hosted cache offering it data is incorrectly formatted.

Category	Subcategory	ID	Message Summary
System	Other System Events	6403	BranchCache: The hosted cache sent an incorrectly formatted response to the client.
		6404	BranchCache: Hosted cache could not be authenticated using the provisioned SSL certificate.
		6405	BranchCache: %2 instance(s) of event id %1 occurred.
		6406	%1 registered to Windows Firewall to control filtering for the following: %2
		6407	1%
		6408	Registered product %1 failed and Windows Firewall is now controlling the filtering for %2
System	Security State Change	4608	Windows is starting up.
		4609	Windows is shutting down.
		4616	The system time was changed.
		4621	Administrator recovered system from CrashOnAuditFail. Users who are not administrators will now be allowed to log on. Some auditable activity might not have been recorded.
System	Security System Extension	4610	An authentication package has been loaded by the Local Security Authority. Native Connector: An authentication package has been loaded by the Local Security Authority. This authentication package will be used to authenticate logon attempts.
		4611	This logon process will be trusted to submit logon requests.
		4614	A notification package has been loaded by the Security Account Manager.
		4622	A security package has been loaded by the Local Security Authority.
		4697	A service was installed in the system.

Category	Subcategory	ID	Message Summary
System	System Integrity	4612	Internal resources allocated for the queuing of audit messages have been exhausted, leading to the loss of some audits.
		4615	Invalid use of LPC port.
		4618	A monitored security event pattern has occurred.
		4816	RPC detected an integrity violation while decrypting an incoming message.
		5038	Code integrity determined that the image hash of a file is not valid. The file could be corrupt due to unauthorized modification or the invalid hash could indicate a potential disk device error.
		5056	A cryptographic self test was performed.
		5057	A cryptographic primitive operation failed.
		5060	Verification operation failed.
		5061	Cryptographic operation.
		5062	A kernel-mode cryptographic self test was performed.
		6281	Code Integrity determined that the page hashes of an image file are not valid. The file could be improperly signed without page hashes or corrupt due to unauthorized modification. The invalid hashes could indicate a potential disk device error

Troubleshooting

This section has the following information:

Unable to Receive Events from any Host if One or More Hosts were Down

Issue: If the Windows Event Log - Native connector is running on Windows Server 2019 and one of the Windows events source machines is down, then the connector is unable to read events from the other event source machine. And, EPS drops to 0 in **wincagent.log**.

Workaround:

To fix this issue, the following properties have been added in the **agent.default.properties** file:

```
winc.winc-agent.checkHostStatusViaWmi=
```

```
winc.winc-agent.checkHostStatusViaPing=false
```

```
winc.winc-agent.endpointReconnectInterval=300000
```

```
winc.winc-agent.OStoCheckHostAlive=Windows Server 2019 Standard
```

Note: By default, the **winc.winc-agent.checkHostStatusViaWmi** parameter is blank, which means it uses the WMI (Windows Management Instrumentation) service to check if a machine is up or down.

If there is no issue with WMI in the event source host machine, then you do not need to change anything in the **agent.properties** file. If the WMI service is running in the host machine, the value of these properties will work by default for Windows Server 2019 Standard.

If the default properties do not work, then consider the following scenarios:

- If WMI is not running and ping is enabled in your environment, then you must add the following properties in **agent.properties**:

  ```
  winc.winc-agent.checkHostStatusViaPing=true
  ```

  ```
  winc.winc-agent.checkHostStatusViaWmi=false
  ```

- If both WMI and ping are not enabled in your environment, then you must add the following properties in **agent.properties**:

  ```
  winc.winc-agent.checkHostStatusViaWmi=false
  ```

  ```
  winc.winc-agent.checkHostStatusViaPing=false
  ```

  ```
  winc.winc-agent.endpointReconnectInterval=300000
  ```

  winc.winc-agent.endpointReconnectInterval value is specified in millisecond. You can increase or decrease this value as required so that the other connectors will get time to collect events from other hosts that are up.

- If you face any issues with other supported Operating Systems (OS), then you must modify the value of the following property in **agent.properties**:

  ```
  winc.winc-agent.OStoCheckHostAlive=Windows Server 2019 Standard
  ```

  Example:

  ```
  winc.winc-agent.OStoCheckHostAlive=Windows Server 2019 Datacenter
  ```

Parameters Not Functioning as Expected

Issue: The **RenameFileInTheSameDirectory** and **DeleteFile** parameters are not functioning as expected.

Workaround: The **usenonlockingwindowsfilereader** parameter must be set to **true** in Windows environments for the **RenameFileInTheSameDirectory** and **DeleteFile** parameters to work as expected.

Log Message for Resource Adjustment

Issue: While the connector is starting, it logs that the temporary store will be downsized.

```
2015-01-26 15:11:17,668][ERROR]
[default.org.apache.activemq.broker.BrokerService]
[external] Temporary Store limit is 51200 mb, whilst the temporary data
directory: C:\arcsight\SmartConnectors\current\activemq-
data\localhost\tmp_storage only has
47568 mb of usable space - resetting to maximum available 47568 mb.
```

Workaround: This message indicates that the system disk space is low. Although this may not cause an immediate impact, check for adequate disk storage to ensure it does not run out while running the connector. To avoid this log message, make sure the system has 50 GB of disk space available.

A Non-administrator User Is Unable to Run Windows Native Connector and the Log File Has Permission Error

For information about this issue, see the A Non-administrator User Unable to Run Connectors on Windows and the Log File has Permission Error section in ArcSight SmartConnector Installation Guide.

Unable to extend buffer beyond 1048576

Issue: By default, the maximum buffer size is set to `1048576`. To increase the buffer size, `agents[0].tcpmaxbuffersize=10240` must be updated when the raw event size is large to avoid the events from getting truncated.

Workaround: The `agents[0].tcpmaxbuffersize` parameter must be added and set to a higher value in the `agent.properties` file to avoid the messages from getting truncated.

Connector is unable to receive events and displays error after upgrading to version 8.4.0

Issue: After upgrading to version 8.4.0, connector is unable to receive events and the following error is logged in the `wincagent.log`:

```
MQMessageSender - SSL Error: RemoteCertificateNameMismatch,
RemoteCertificateChainErrors
```

```
MQMessageSender - Failed to create SSL_stream. Exception: The remote
certificate is invalid according to the validation procedure
```

This issue occurs when there is a hostname mismatch in the connector-generated certificate after the first successful installation of the Microsoft Windows Event Log - Native connector.

Workaround: Complete the following procedure to generate a new set of certificates for internal communication:

1. Stop the Microsoft Windows Event Log – Native connector.
2. Add the following parameters in `<install location>/current/user/agent/agent.properties`. This will generate new set of certificates for the WiNC connector and will be consumed for internal component communication.

   ```
   syslogng.tls.cert.file=user/agent/winc-ng.cert
   ```

   ```
   syslogng.tls.keystore.file=user/agent/winc_management.p12
   ```

   ```
   syslogng.tls.fips.keystore.file=user/agent/winc_management.fips.p12
   ```

3. Start the Microsoft Windows Event Log – Native connector.

Appendix: Internal Events

The Windows Event Log – Native connector documents the following types of internal events:

Specific Windows Security Event Mappings

General

ArcSight Field	Vendor Field
Device Vendor	'Microsoft'
Device Product	'Microsoft Windows'

104

ArcSight ESM Field	Device-Specific Field
Name	'The log file was cleared'
Message	concatenate('The ',Channel,' log file was cleared')
Source Nt Domain	SubjectDomainName
Source User Name	SubjectUserName
File Type	Channel
File Path	BackupPath

1100

ArcSight ESM Field	Device-Specific Field
Name	‘The event logging service has shut down.’

1101

ArcSight ESM Field	Device-Specific Field
Name	‘Audit events have been dropped by the transport. The real time backup file was corrupt due to improper shutdown.’
Device Custom Number 3	Reason

1102

ArcSight ESM Field	Device-Specific Field
Name	‘The audit log was cleared.’
Destination NT Domain	SubjectDomainName
Destination User Name	One of (SubjectUserName, SubjectUserSid)
Destination User ID	SubjectLogonId

1104

ArcSight ESM Field	Device-Specific Field
Name	'The security log is now full'

1105

ArcSight ESM Field	Device-Specific Field
Name	‘Event log automatic backup.’
File Type	Channel
File Name	BackupPath

Collector Connected

Field	Description
Event Name	'Collector'
Device Event Category	'/Informational'
Agent Severity	'2'
Device Custom String 1 Label	'Collector Host Name'
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	'Collector Domain Name'
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	'Collector Operating System Version'
Device Custom String 5	<Collector Operating System Version>

Collector Disconnected

Field	Description
Event Name	'Collector Disconnected'
Device Event Category	'/Informational/Warning'
Agent Severity	'3'
Device Custom String 1 Label	'Collector Host Name'
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	'Collector Domain Name'
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	'Collector Operating System Version'
Device Custom String 5	<Collector Operating System Version>

Collector Up

Field	Description
Event Name	'Collector Up'
Device Event Category	'/Informational'

Field	Description
Agent Severity	'2'
Device Custom String 1 Label	'Collector Host Name'
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	'Collector Domain Name'
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	'Collector Operating System Version'
Device Custom String 5	<Collector Operating System Version>

Collector Down

Field	Description
Event Name	'Collector Down'
Device Event Category	'/Informational/Warning'
Agent Severity	'3'
Device Custom String 1 Label	'Collector Host Name'
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	'Collector Domain Name'
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	'Collector Operating System Version'
Device Custom String 5	<Collector Operating System Version>

Collector Status Updated

Collector Status for "Collector Status Updated"

Field	Description
Event Name	'Collector Status Updated'
Reason	<SuccessStatus/FailureReason>
Device Event Category	'/Informational' or '/Informational/Warning' depending on the reason
Agent Severity	'2' or '3' depending on the reason

Field	Description
Device Custom String 1 Label	'Collector Host Name'
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	'Collector Domain Name'
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	'Collector Operating System Version'
Device Custom String 5	<Collector Operating System Version>

Host Status for "Collector Status Updated"

Field	Description
Event Name	'Collector Status Updated'
Device Host Name	<DeviceHostName>
Reason	<SuccessStatus/FailureReason>
Device Event Category	'/Informational' or '/Informational/Warning' depending on the reason
Agent Severity	'2' or '3, depending on the reason
Device Custom String 1 Label	'Collector Host Name'
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	'Collector Domain Name'
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	'Collector Operating System Version'
Device Custom String 5	<Collector Operating System Version>

Event Log Status for "Collector Status Updated"

Field	Description
Event Name	'Collector Status Updated'
Device Host Name	<DeviceHostName>
Device Custom String 3 Label	'Event Log'
Device Custom String 3	<ConfiguredEventLogName>
Reason	<SuccessStatus/FailureReason>
Device Event Category	'/Informational' or '/Informational/Warning' depending on the reason

Field	Description
Agent Severity	'2' or '3' depending on the reason
Device Custom String 1 Label	'Collector Host Name'
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	'Collector Domain Name'
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	'Collector Operating System Version'
Device Custom String 5	<Collector Operating System Version>

Collector Event Collection Started

Collector Status for "Collector Collection Started"

Field	Description
Event Name	'Collector Collection Started'
Reason	<SuccessStatus/FailureReason>
Device Event Category	'/Informational' or '/Informational/Warning' depending on the reason
Agent Severity	'2' or '3' depending on the reason
Device Custom String 1 Label	'Collector Host Name'
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	'Collector Domain Name'
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	'Collector Operating System Version'
Device Custom String 5	<Collector Operating System Version>

Host Status for "Collector Collection Started"

Field	Description
Event Name	'Collector Collection Started'
Device Host Name	<DeviceHostName>
Reason	<SuccessStatus/FailureReason>
Device Event Category	'/Informational' or '/Informational/Warning' depending on the reason

Field	Description
Agent Severity	'2' or '3' depending on the reason
Device Custom String 1 Label	'Collector Host Name'
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	'Collector Domain Name'
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	'Collector Operating System Version'
Device Custom String 5	<Collector Operating System Version>

Event Log Status for "Collector Collection Started"

Field	Description
Event Name	'Collector Collection Started'
Device Host Name	<DeviceHostName>
Device Custom String 3 Label	'Event Log'
Device Custom String 3	<ConfiguredEventLogName>
Reason	<Event Collection SuccessStatus/FailureReason>
Device Event Category	'/Informational' or '/Informational/Warning' depending on the reason
Agent Severity	'2' or '3' depending on the reason
Device Custom String 1 Label	'Collector Host Name'
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	'Collector Domain Name'
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	'Collector Operating System Version'
Device Custom String 5	<Collector Operating System Version>

Collector Configuration Accepted

Collector Status for “Collector Configuration Accepted”

Field	Description
Event Name	‘Collector Configuration Accepted’
Reason	<SuccessStatus/FailureReason>
Device Event Category	‘/Informational’ or ‘/Informational/Warning’ depending on the reason
Agent Severity	‘2’ or ‘3’ depending on the reason
Device Custom String 1 Label	‘Collector Host Name’
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	‘Collector Domain Name’
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	‘Collector Operating System Version’
Device Custom String 5	<Collector Operating System Version>

Host Status for “Collector Configuration Accepted”

Field	Description
Event Name	‘Collector Configuration Accepted’
Device Host Name	<DeviceHostName>
Reason	<SuccessStatus/FailureReason>
Device Event Category	‘/Informational’ or ‘Informational/Warning’ depending on the reason
Agent Severity	‘2’ or ‘3’ depending on the reason
Device Custom String 1 Label	‘Collector Host Name’
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	‘Collector Domain Name’
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	‘Collector Operating System Version’
Device Custom String 5	<Collector Operating System Version>

Event Log Status for “Collector Configuration Accepted”

Field	Description
Event Name	‘Collector Configuration Accepted’
Device Host Name	<DeviceHostName>
Device Custom String 3 Label	‘Event Log’
Device Custom String 3	<ConfiguredEventLogName>
Reason	<SuccessStatus/FailureReason>
Device Event Category	‘/Informational’ or ‘/Informational/Warning’ depending on the reason
Agent Severity	‘2’ or ‘3’ depending on the reason
Device Custom String 1 Label	‘Collector Host Name’
Device Custom String 1	<Collector Host Name>
Device Custom String 2 Label	‘Collector Domain Name’
Device Custom String 2	<Collector Domain Name>
Device Custom String 5 Label	‘Collector Operating System Version’
Device Custom String 5	<Collector Operating System Version>

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