
Micro Focus Security

ArcSight Data Platform Event Broker

Software Version: 2.20

Release Notes

Document Release Date: April 15, 2018

Software Release Date: April, 2018



Legal Notices

Warranty

The only warranties for products and services of Micro Focus and its affiliates and licensors ("Micro Focus") are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Micro Focus shall not be liable for technical or editorial errors or omissions contained herein. The information contained herein is subject to change without notice.

Restricted Rights Legend

Confidential computer software. Except as specifically indicated otherwise, a valid license from Micro Focus is required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Copyright Notice

© Copyright 2018 Micro Focus or one of its affiliates.

Trademark Notices

Adobe™ is a trademark of Adobe Systems Incorporated.

Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.

UNIX® is a registered trademark of The Open Group.

Support

Contact Information

Phone	A list of phone numbers is available on the Technical Support Page: https://softwaresupport.softwaregrp.com/support-contact-information
Support Web Site	https://softwaresupport.softwaregrp.com/
ArcSight Product Documentation	https://community.softwaregrp.com/t5/ArcSight-Product-Documentation/ct-p/productdocs

Contents

What's New in this Release	4
Supported Platforms and Browsers	5
Event Broker Documentation	6
Upgrading to Event Broker 2.20	7
Fixed Issues	8
Known Limitations	9
Open Issues	10
Send Documentation Feedback	12

What's New in this Release

Event Broker 2.20 addresses and resolves issues found in Event Broker 2.11. For a list of issues fixed in this release, see Fixed Issues section of this document.

New Features in Event Broker 2.20

- Connectors in Event Broker (CEB): the Connector on EB feature is now fully functional and is no longer an alpha stage feature. Using Event Broker 2.20 and Connector Framework 7.80, both CEB and Collectors can be used in staging and production environments. Consult the ArcMC Admin Guide, and the ADP product team, for best practices and guidance on how to use these features. We welcome questions, comments, and feedback to the ADP product team at adp-ceb-alpha@hpe.com.
- Event Broker Deployment on Kafka: Event Broker can be deployed on an existing Cloudera distribution of Kafka. This additional deployment option is available using a separate Event Broker installer that is independent of ArcSight Installer and the Kubernetes environment. Certain features, such as Kafka Manager and Connectors in Event Broker (CEB), are not available when choosing this deployment solution.
- Micro Focus Rebranding: Software components in Event Broker with a user interface have been rebranded with the Micro Focus look and feel.

New Features in ArcSight Installer 1.40

- Support for multiple Master nodes: The ArcSight Installer now includes the ability to configure multiple master nodes that provide a failover capability. With multiple master nodes, if one master node goes down the cluster remains functional and can continue to operate. This deployment topology is specified using additional installation options when installing ArcSight Installer. Users connect to applications using a virtual IP address that routes requests to the appropriate master node. The multi-master configuration is supported only with fresh installations. Previous releases supported a single master-node cluster only. Deploying as a single master-node cluster continues to be available in this release as well.
- Support for external NFS server: When installing ArcSight Installer and the Kubernetes environment, you can define an external NFS server location. Data directories that require NFS storage are configured to use the external NFS location. This is an option that you specify when installing ArcSight Installer and the Kubernetes environment.
- Micro Focus Rebranding: ArcSight Installer has been rebranded with the Micro Focus look and feel.

Supported Platforms and Browsers

For details on Event Broker platform and browser support, refer to the ADP Support Matrix document available from the [Protect724, the HPE Software Community](#).

Event Broker Documentation

In addition to these Release Notes, the following documents are available in PDF format for download from the [ArcSight Software Community](#).

- *ArcSight Support Matrix*: Provides integrated support information such as platform and browser support for ADP ArcMC, Event Broker, and SmartConnectors and Collectors.
- *Event Broker Deployment Guide*: Describes how to deploy and configure Event Broker.
- *Event Broker Administrator's Guide*: Describes how to configure, and manage Event Broker.

Upgrading to Event Broker 2.20

This version of Event Broker supports upgrade from Event Broker 2.11. The procedure includes upgrading the ArcSight Installer from version 1.30 to 1.40, and then using the Upgrade capabilities in ArcSight Installer to upgrade the Event Broker images. See the section titled 'Upgrading to Event Broker 2.20' in the Event Broker Deployment Guide for the complete procedure.

Fixed Issues

This release contains the following fixed issues.

Key	Description
INST-921	<p>Arcsight Installer is internally using the following network ranges:</p> <ul style="list-style-type: none">• 172.16.0.0/16 - subnet of 65,536 addresses reserved for Kubernetes pods• 172.30.78.0/24 - subnet of 256 addresses reserved for Kubernetes services <p>Make sure the ranges above are not occupied/blocked in your network. If the ranges are not available, you can change the default ranges before installation of the cluster.</p> <ul style="list-style-type: none">• Open arcsight-installer-master.sh and change the following variables<ul style="list-style-type: none">◦ POD_CIDR - any subnet of 65536 addresses. (e.g. POD_CIDR="172.18.0.0/16")◦ SERVICE_CIDR - any subnet of 256 addresses not overlapping with POD_CIDR (e.g. SERVICE_CIDR="172.30.80.0/24")◦ DNS_SVC_IP - an ip address from the second half of SERVICE_CIDR range (e.g. DNS_SVC_IP="172.30.80.78")• Use arcsight-installer-master.sh to install the cluster
INST-899	<p>Intermittent failure to resolve "eb-zook-svc" after running for more than 8 to 10 hours</p>
INST-895	<p>Issue: In some cases, on RHEL 7.4 and IPv6-disabled systems, the NFS server crashes. This is related to the rpc.socket issue.</p> <p>Workaround: Run the following: #disable ip6 from sysctl dracut -v -f #rebuild initramfs & reboot then #reboot</p>
INST-744	<p>The NFS server on the master Kubernetes node cannot be used for any purposes other than Kubernetes.</p>
EB-1140	<p>Port 9092/9093 needed to be used for both Kafka producer and consumer. Prior documentation had 39092/39093.</p>
EB-1007	<p>Reference Apache Kafka Topic Creation Parameters to External Source</p>
EB-939	<p>Expose zookeeper connection and session timeouts used by Kafka through installer properties</p>
EB-881	<p>There was issue were Event Broker was not able to NAT IP Addresses for Consumers. FIX: Upgrade to this release will resolve this issue.</p>
EB-880	<p>After upgrade to Confluent 4.0.0, this issue has been fixed in EB 2.20.</p>

Known Limitations

Event Broker is known to have the following limitations.

EB-631	In some cases, when Kafka goes down and then recovers, there can be a difference in the event count of CEF and Avro topics. Under failure conditions it is expected that there may be data duplication since messages are re-delivered. The redelivery leads to some duplicate events. This is a known Kafka behavior.
--------	--

Open Issues

This release contains the following open issues.

Key	Description
INST-1163	<p>Issue: In some rare cases, you may not be able to login with the correct username and password and receive the error message "Failed to handle token".</p> <p>Workaround: Delete the idm-postgresql pod.</p>
INST-1143	<p>Issue: The Zookeeper cluster is out of sync at times and Kafka failed to select a leader after losing multiple brokers, which causes Kafka to fail. The problem occurs on Zookeeper startup, due to a timing problem. It may also occur on a Zookeeper cluster, due to an unknown reason.</p> <p>Workaround: Undeploy and redeploy Event Broker.</p>
INST-1118	<p>Issue: The User is never logged out of the Arcsight Installer Deployment page.</p> <p>Workaround: Move to a different page</p>
INST-1076	<p>Issue: When installing first alternative master node on VM with CentOS 7.3, operation fails with "etcd cluster is unavailable or misconfigured" error.</p> <p>Workaround: The work around is to uninstall the 2nd master and the Initial master, clean off both servers and then re-run the installation.</p>
INST-1071	<p>Issue: When adding a node to the cluster, you get the error: {{Cluster status check failed, [MngPortal] URL: https://172.16.29.8:9090 Inactive}}</p> <p>Workaround: Re-run ./arcsight-installer-add-node.sh <server-ip></p>
INST-797	<p>Issue: The pod status displayed on the ArcSight Installer web application does not always correspond to the status returned when running 'kubectl get pods'. The status displayed in the ArcSight Installer web application could be - Running, Pending, Failed.</p> <p>The status returned from the kubectl command are the container statuses which in most cases will be translated to Pending or Running in the ArcSight Installer web application.</p> <p>Workaround: None.</p>
EB-1182	<p>Ignore the EB version in ArcMC Although the EB version is listed as 2.11 in ArcMC Topology, Deployment, and Node Management views, the actual version of the EB is 2.20.</p>
EB-1132	<p>Issue: If you need to replace a lost EB worker node from the existing EB cluster.</p> <p>Workaround: Please contact customer support if you encounter this issue.</p>

Key	Description
EB-1124	<p>Issue: eb-web-service pods show running but throw "JMX client heartbeat java.lang.OutOfMemoryError"</p> <p>Workaround: If you see this issue, please restart web service manually by executing the kubectl delete command on the web service pod to recover. After the web service pod restarts, ArcMC will connect with the proper status.</p>
EB-909	<p>If the stream processor stops processing events and you see "ConcurrentModificationException" with the exception stack trace pointing to "org.apache.kafka.common.internals.PartitionStates.partitionSet" then this is the known Kafka defect KAFKA-4950.</p> <p>Work around: Restart the affected stream processor using the 'kubectl delete' command.</p> <p>Example if c2av stream processor is affected:</p> <pre># kubectl delete eb-c2av-processor-927505239-xc1ol -n arcsighteventbroker1</pre> <p>Example if routing stream processor is affected:</p> <pre># kubectl delete eb-routing-processor-0 -n arcsighteventbroker1</pre>
EB-630	<p>Kafka version shown on the Event Broker manager is incorrectly shown as 0.10.1.0.</p>

Send Documentation Feedback

If you have comments about this document, you can [contact the documentation team](#) by email. If an email client is configured on this computer, click the link above and an email window opens with the following information in the subject line:

Feedback on Release Notes (Event Broker 2.20)

Just add your feedback to the email and click send.

If no email client is available, copy the information above to a new message in a web mail client, and send your feedback to arc-doc@hpe.com.

We appreciate your feedback!