



# Education

Software Version: 11.6.0

## Release Notes

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# New in this Release

This section lists the enhancements to Education version 11.6.0.

## Enhancements to Education Server

- You can now configure your authorization role `SSLIdentities` to identify clients by using an email address in the certificate `subjectAltName`. You can use an optional tag for each SSL identity to specify whether it is a **dns** or **email** type identity. If there is no tag, the server treats it as **dns** type. For example:

```
SSLIdentities=email:user@example.com,dns:admin.example.com,webapp.example.com
```

- When using GSS security, you can now configure the service to allow clients to authenticate to any service principal in the service's keytab, rather than requiring a single principal. You use this option by setting the `GSSServiceName` configuration parameter to an asterisk (\*).
- Education Server supports the following new Lua functions:
  - `deleteFieldByPath`, which you can call on a `LuaDocument` or `LuaField` object to delete fields or sub-fields that match a specified path.
  - `getFieldsByRegex`, which you can call on a `LuaDocument` or `LuaField` object to get fields or sub-fields where the name or path of the field or sub-field matches a regular expression.

## Additional 11.5 Features

The following features were added in 11.5, but were not included in the release notes.

## Enhancements to Education Server and Education SDK

- The Education Lua functions and methods have the following changes:
  - New functions and classes have been added for manipulating and parsing JSON. The new functions are `parse_json`, `parse_json_array`, and `parse_json_object`. The new classes are `LuaJsonArray`, `LuaJsonObject`, and `LuaJsonValue`.
  - New general Lua functions have been added for manipulating and parsing IDOL documents. The new functions are `parse_document_idx`, `parse_document_xml`, and `parse_document_csv`.
  - You can now call the `insertJson` method on `LuaField` objects as well as `LuaDocument` objects. You can also pass it one of the new `LuaJsonArray` or `LuaJsonObject` objects instead of a string.
  - The general function `get_log(config, logstream)` has been deprecated. This function has been replaced with the new `get_log(log_type)` function.
  - The `get_config` function now uses the standard ACI server configuration file if you do not specify the path argument.

### NOTE:

This option is not available for the Education SDK, which does not have a default configuration file.

Education Server also has the following Lua change:

- The `LuaLogService` class and `get_log_service` function have been added. You can use these

options to write log messages to a custom log file (instead of the standard ACI server log files).

- Education processing events, such as timeouts, are now logged to the Education log stream.

**Enhancements to Education Server**

- An Educe request that reaches a timeout now includes a warning in the response.

# Resolved Issues

This section lists the resolved issues in Eduction version 11.6.0.

## **Resolved Issues for Eduction Server**

- License related messages in the event log would appear from a different source to other messages.

# Requirements

This section describes the system requirements, supported platforms, and software dependencies for Education 11.6.0.

## Minimum System Requirements

The following are minimum system requirements for Education 11.6.0.

- 512 MB RAM
- 1 GB disk space
- 800 MHz or higher processor
- 400 MB of space designated for /tmp or /var/tmp (UNIX), or user-defined temporary directory (Windows)

## Software Dependencies

### Java

Development with the Education Java SDK requires the Java 6.0 JDK and JRE.

### Microsoft Redistributable Package

Windows versions of Education require installation of the Microsoft Visual C++ 2013 redistributable package.

## Supported Operating System Platforms

The following operating system platforms are supported by Education 11.6.0.

- Windows x86 64
- Linux x86 64
- Solaris x86 64
- Solaris SPARC 64



# Documentation

The following documentation was updated for this release.

- *Eduction SDK Programming Guide*
- *Eduction User Guide*
- *Eduction Server Reference*