

Eduction

Software Version 12.6.0

Release Notes



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New in this Release

The following new features were released in Education version 12.6.0.

- On Microsoft Windows platforms, a new .NET SDK is now available. For more information, refer to the *Education User and Programming Guide*.

Enhancements to Education Server and Education SDK

- The `number_banking_us.ecr` grammar has been updated with new entities for CUSIP (Committee on Uniform Securities Identification Procedures) numbers.
- You can now skip post-processing task validation when an Education engine starts, by setting `ValidatePostProcessingTasks` to `False` in your Education configuration. This option might be useful when you have a stable configuration and speed is critical.
- You can now configure Education redaction to replace matched text with the name of the matching entity, by setting the `RedactionType` configuration parameter to `Entity`.

This option is also used by the Education SDK, if the engine was created from a configuration file.

- The `datetime_advanced.ecr` grammar now matches year halves and quarters. For example "2nd quarter", "First half of next year", "2020 Q3". When it normalizes these values, Education assumes the quarter boundaries align with calendar quarters. For example, "Q2 2020" becomes "2020-04-01/2020-06-30".
- For the name grammar, hyphenated names where both elements are known names now return a higher score than previously.
- Education Server now uses per-session timeouts for ACI requests that include the `MatchTimeout` or `RequestTimeout` parameters. This option is more efficient, because it does not require it to create a new engine. For more information, see the **Enhancements to Education SDK**.

Enhancements to Education SDK

- You can now configure a timeout for an individual edk session, which overrides the timeout configured in the engine that was used to create the session.

In the C SDK, you can use the following new functions to set per-session timeouts, in seconds:

- `EDKAPI EdkError EdkSessionSetMatchTimeout(EdkSessionHandle pSession, uint32_t nTimeout)`
- `EDKAPI EdkError EdkSessionSetRequestTimeout(EdkSessionHandle pSession, uint32_t nTimeout)`

In the Java SDK, you can use the following functions in the `TextExtractionSession` interface and the `EDKSession` class:

- `public void setMatchTimeout(int matchTimeout) throws EDKException`
- `public void setRequestTimeout(int requestTimeout) throws EDKException`

- In the Java SDK, the `EDKSession::getTimedOut` function has been added as a replacement for `EDKMatch::getTimedOut`. `EDKMatch::getTimedOut` is now deprecated.
- In the Java SDK, the `EDKProcessableMatchesCollection` class now respects any timeout. Additionally, the `fillMatchesTimed` function has been added to `EDKJNI`.

Resolved Issues

The following issues were resolved in Education version 12.6.0.

- Education could apply CJK-tokenization (character by character, with a word boundary on both sides of each character) to characters that were not from the Chinese, Japanese, or Korean languages.
- When edktool was given a configuration included a nonexistent grammar, explicit entities and at least one postprocessing task, edktool would exit unexpectedly.
- When edktool was given a path to a directory instead of a path to a licensekey file, it would exit with no error message.
- On MacOS, the compilation of certain grammars could fail with the error message `Assertion failed`. This message could be triggered when compiling an entity that (directly or indirectly) nested exclusion operators `"?(A!...)"`
- Private entities that were referenced in an entity that had been modified with the `extend=append` option did not match correctly.
- A pattern that used the `no output` option, that was added to an entity with the `extend=append` option did not match correctly.
- Performance could be very slow for case-insensitive matching (either with the configuration setting or a grammar entity definition) with patterns that were explicitly case insensitive. This behavior was much worse when the patterns were unbounded (for example `<pattern case="insensitive">[A-Za-z]*ing</pattern>`).

Resolved Issues for Education SDK

- In the Java SDK, calling `EDKEngine::setMatchTimeout` would throw an `UnsatisfiedLinkError`.

Notes

These notes provide extra information about installing and using Education.

Deprecated Features

The following features have been deprecated.

Category	Deprecated Feature	Deprecated Since
Java Education SDK	EDKMatch::getTimedOut function	12.6
edktool configuration	SearchFields parameter. This parameter applies only to IDX document input, which was deprecated in 12.5.0.	12.6

The following notes apply to Education Server only:

- ACI Encryption has been deprecated. Instead of using ACI encryption, Micro Focus recommends configuring Secure Socket Layer (SSL) connections between ACI servers and applications.

You can use GSS authorization without using ACI encryption by configuring the GSSServiceName and RequireGSSAuth parameters.

ACI encryption is still available for existing implementations, but it might be incompatible with new functionality. The functionality might be deleted in future.

Requirements

This section describes the system requirements, supported platforms, and software dependencies for Education 12.6.0.

Minimum System Requirements

The following are minimum system requirements for Education 12.6.0.

- 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 8.0 JDK and JRE.

Microsoft Visual C++ Redistributable Package

To run Education version 12.6.0 on the Microsoft Windows operating system, you might need to install Microsoft Visual C++ Redistributable packages. The Education SDK and Education Server stand-alone zip packages include the required redistributable files for Microsoft Visual C++ 2017. You can also update your packages by using the latest version at: <http://support.microsoft.com/kb/2019667>.

UNIX Libraries

To run Education version 12.6.0 on UNIX platforms, the server must have the following minimum versions of libraries:

- GLIBC_2.3.2
- GLIBCXX_3.4.21
- GCC_4.8.0

NOTE: The Education SDK and Education Server stand-alone zip packages provide these libraries in the `libgcc_s` and `libstdc++` shared libraries.

You might need to set the `LD_LIBRARY_PATH` to include the `InstalLDir/bin` directory, to ensure that Education can access the installed shared libraries.

You can also copy the shared libraries to the component working directory.

Supported Operating System Platforms

The following operating system platforms are supported by Education 12.6.0.

- Windows x86 64
- Linux x86 64
- Solaris x86 64
- Solaris SPARC 64
- Mac OS X (Education SDK only)

Documentation

The following documentation was updated for Education version 12.6.0.

- *Education Server Reference*
- *Education User and Programming Guide*