

IDOL Education

Software Version 12.8.0

Release Notes



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The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
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Many areas of the portal require you to sign in. If you need an account, you can create one when prompted to sign in. To learn about the different access levels the portal uses, see the [Access Levels descriptions](#).

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New in this Release

The following new features were released in Education version 12.8.0.

Enhancements to Education Server and Education SDK

- Synonym entries in Education grammars now support a score attribute, which allows you to specify that different synonyms match with different scores.
- New Lua methods have been added to the `edkcomponent` object to allow you to access text and offset information for components. You can also now include offset information for both the normalized and matched text when you add a component. For more information, refer to the *Education User and Programming Guide*.
- In the Education configuration, you can now express timeouts in fractional seconds. For example:

```
[Education]
MatchTimeout=5.7
RequestTimeout=9.4
```

Additional functions have also been added to the Education SDKs to allow you set timeouts and start times more precisely.

Enhancements to Education Server

- For applications where carriage return characters are important, you can now set the new `PreserveCarriageReturn` parameter to `True`. This option configures Education to convert carriage return bytes to their XML entity equivalent in action responses, which receiving XML parsers preserve, rather than converting to a line feed. This behavior affects user-created values that contain carriage returns.
- The `Admin` action was modified to ensure that the IDOL Admin interface can not run in an `iframe`, to improve clickjacking protection.

Enhancements to Education SDK

- The ability to perform table extraction from structured data has been exposed in the C, Java and .NET Education SDKs. You can use this option to pass the contents of a table to an Education session one cell at a time, if the client applications receives this data in a structured format.
- Education SDK sample programs now illustrate how to use timeouts to stop matching.

Resolved Issues

The following issues were resolved in Education version 12.8.0.

- Character count offsets returned by education could be incorrect if a configured prefilter produced a match near the start of the input buffer.
- If multiple prefilters were configured and they contained different numbers of capturing brackets then only results for the prefilter with the largest number of captures was returned.
- The prefilter treated a contiguous string of CJKVT characters as a single token, so that the prefilter did not reduce the amount of information to process as effectively as it should have.
- The benchmarking mode in edktool did not respect request timeouts.
- Education did not respect `MaxMatchesPerDoc` for streaming input.
- Education did not respect `MaxMatchesPerDoc` if a prefilter was configured.
- The `address_us.ecr` grammar could return excessive false positive matches, and take a very long time to process when run with `MatchCase=false`.

NOTE: Micro Focus still recommends that you avoid case-insensitive matching where possible when performance is critical.

Resolved Issues for Education Server

- The server could terminate unexpectedly when an authorization role was configured and the list of `Clients` included a hostname with a wildcard, such as `*.domain.example.com`. The `Clients` parameter accepts wildcards only in IP addresses.

Resolved Issues for Education SDK

- When CJK normalization was configured, calling `EdkAddInputText` with a non-null terminated buffer could result in unpredictable behavior (incorrect results or an interruption of service).
- The `GetNextMatch` function could take longer when there no further matches to return (for example, when Education was finished processing the input text). This effect meant that processing a large number of small text buffers could be slower than processing the same text in a single buffer. This issue was particularly noticeable when using the .NET SDK.
- When using the `SetInputStream` method in the .NET Education SDK, large input files could cause the SDK to exit unexpectedly.

Notes

These notes provide extra information about installing and using Education.

Deprecated Features

The following features have been deprecated.

Category	Deprecated Feature	Deprecated Since
C Education SDK	EdkSessionSetMatchTimeout EdkSessionSetRequestTimeout EdkGetNextMatchTimed	12.8
.NET Education SDK	ITextExtractionSession::SetMatchTimeout ITextExtractionSession::SetRequestTimeout ITextExtractionSession::SetStartTime	12.8
Java Education SDK	TextExtractionSession<T>::setMatchTimeout TextExtractionSession<T>::setRequestTimeout	12.8
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
Configuration	[PostProcessingTasks] configuration section. Use the PostProcessingTaskN and PostProcessThreshold parameters in the [Education] section.	12.5
edktool	The OutputScores and OutputSimpleMatchInfo configuration parameters. NOTE: The default values of the parameters OutputSimpleMatchInfo and OutputScores have been updated, to False and True respectively.	12.5
edktool	XML configuration files are now deprecated. Use CFG format configuration files instead.	12.5
edktool	Education on IDX documents. The following configuration parameters that apply only to IDX are	12.5

	<p>also deprecated as part of this change:</p> <ul style="list-style-type: none">• AllowDuplicates• CantHaveFieldCSVs• Databases• DocumentDelimiterCSVs	
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The following notes apply to Educcion Server only:

Requirements

This section describes the system requirements, supported platforms, and software dependencies for Education 12.8.0.

Minimum System Requirements

The following are minimum system requirements for Education 12.8.0.

- 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 12.8.0 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 12.8.0 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 12.8.0.

- 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 12.8.0.

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