Eduction

Software Version 12.5.0

Release Notes

MICRO FOCUS

Legal notices

Copyright notice

Documentation updates

The title page of this document contains the following identifying information:
- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

To check for updated documentation, visit https://www.microfocus.com/support-and-services/documentation/.

Support

Visit the MySupport portal to access contact information and details about the products, services, and support that Micro Focus offers.

This portal also provides customer self-solve capabilities. It gives you a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the MySupport portal to:

- Search for knowledge documents of interest
- Access product documentation
- View software vulnerability alerts
- Enter into discussions with other software customers
- Download software patches
- Manage software licenses, downloads, and support contracts
- Submit and track service requests
- Contact customer support
- View information about all services that Support offers

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.

Contents

New in this Release

The following new features were released in Eduction version 12.5.0.

Enhancements to Eduction Server and Eduction SDK

- The new `psi_api_credentials.ecr` grammar has been added to find protected security information. This grammar includes entities to match client IDs and secret keys from various services.

- The new `psi_private_key.ecr` grammar has been added to find protected security information. This grammar includes entities to match PEM and XML Key Management Specification (XKMS) formats.

- You can now configure post-processing tasks by setting the `PostProcessingTask`*N* parameter in the `[Eduction]` configuration section, where `N` is a number starting from 0. You can also set the `PostProcessThreshold` parameter in the `[Eduction]` section.

  This configuration format replaces the existing `[PostProcessingTasks]` section, and the `NumTasks` and `Task`*N* parameters. When your configuration file includes both formats, Eduction uses the `PostProcessingTask`*N* configuration.

  The `[PostProcessingTasks]` configuration section is now deprecated. This section is still available for existing implementations, but it might be incompatible with new functionality. The section might be deleted in future.

- The new `number_fuel.ecr` grammar has been added to find fuel/fleet card numbers. This grammar currently includes Voyage fleet card numbers.

- You can now use an Eduction Lua script to create new matches and add them to the current matching session. You can use the new finalizematch entry function in your Lua script, to modify matches, and the injectMatch function to add new matches to the session. For more information, refer to the *Eduction User and Programming Guide*.

- The PreFilter `WindowCharsAfterMatch` parameter has been modified to count from the end of the match, rather than the start, to provide more intuitive behavior.

- Eduction now logs when prefilter or post-processing tasks are loaded successfully.

- When using GSS authentication, you can now log additional information about GSS authentication failures for ACI and service actions by setting the new `LogGSSFailures` parameter to **True** in the `[Server]` or `[Service]` section.

Enhancements to Eduction SDK

- Prefiltering has been optimized to generate only prefilter windows as needed for calls to `getNextMatch()`. That is, if you want only the first match then it generates only enough windows to give you that match, rather than generating all the windows for the entire input text ahead of time.

- The Java Eduction SDK now exposes the `redactText` function to perform redaction. This function has been added to the `TextExtractionEngine` interface and the `EDKEngine` class.

- New functions have been added to the C and Java SDKs to allow you to get per-entity counts of matches for the specified text buffer.

  - Java SDK: `public Map<String, Long> getMatchCounts(final String input)`

  - C SDK: `EDKAPI EdkError EdkGetMatchCounts(EdkEngineHandle pEngine, const char* szBuffer, char*** paszEntityNames, size_t** panMatchCounts, int* pnEntities)`

Resolved Issues

The following issues were resolved in Eduction version 12.5.0.

- When a PreFilter task was configured, input that included multibyte characters could return matches that had an incorrect byte offset.

- When a PreFilter task was configured, and multiple input buffers or input streaming was in use, no matches were returned.

- If a PreFilter window extended past the end of the input buffer, Eduction could exit unexpectedly.

- Case-sensitive matching had reduced performance compared to earlier versions of Eduction, because of changes that were made to resolve other issues.

Resolved Issues for Eduction SDK

- When using the Eduction API with EJR grammars, Eduction did not correctly handle use of `EdkSetInputStream`, or multiple calls to `EdkAddInputText`. For information about EJR grammars, refer to the IDOL PII Package documentation.

Notes

These notes provide extra information about installing and using Eduction.

Deprecated Features

The following features have been deprecated.

Category	Deprecated Feature	Deprecated Since
configuration	`[PostProcessingTasks]` configuration section. Use the `PostProcessingTaskN` and `PostProcessThreshold` parameters in the `[Eduction]` section.	12.5.0
edktool	The `OutputScores` and `OutputSimpleMatchInfo` configuration parameters.	12.5.0
edktool	XML configuration files are now deprecated. Use CFG format configuration files instead.	12.5.0
edktool	Eduction on IDX documents. Add plain text instead. The following configuration parameters that apply only to IDX are also deprecated as part of this change: • `AllowDuplicates` • `CantHaveFieldCSVs` • `Databases` • `DocumentDelimiterCSVs`	12.5.0

Requirements

This section describes the system requirements, supported platforms, and software dependencies for Eduction 12.5.0.

Minimum System Requirements

The following are minimum system requirements for Eduction 12.5.0.

- 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 Eduction Java SDK requires the Java 6.0 JDK and JRE.

Microsoft Visual C++ Redistributable Package

To run Eduction version 12.5.0 on the Microsoft Windows operating system, you might need to install Microsoft Visual C++ Redistributable packages. The Eduction SDK and Eduction 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 Eduction version 12.5.0 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 Eduction SDK and Eduction 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 Eduction 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 Eduction 12.5.0.

- Windows x86 64

- Linux x86 64

- Solaris x86 64

- Solaris SPARC 64

- Mac OS X (Eduction SDK only)

Documentation

The following documentation was updated for Eduction version 12.5.0.

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