Eduction

Software Version 12.4.0

Release Notes

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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.

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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.

Contents

New in this Release

The following new features were released in Eduction version 12.4.0.

Enhancements to Eduction Server and Eduction SDK

- You can now add a prefiltering task to Eduction to reduce the amount of text that it must fully process. Prefilter tasks let you set a regex to identify potential matches, and creates windows of text around these potential matches to process fully. For details of how to configure prefiltering tasks, refer to the *Eduction User and Programming Guide*.

- A new grammar, `company_generic_eng.ecr` has been added, to match plausible company names in text (but which do not necessarily exist in a list).

- A new grammar `financial_strength.ecr` has been added to provide financial sentiment information (that is, sentiment matches for financial news and analyst reports). This grammar must be used in combination with the new `contextualize_matches.lua` postprocessing script, which combines the basic entities in the grammar to provide the detailed sentiment entities.

Enhancements to Eduction SDK

- The sample programs have been updated and improved. There is now a consistent set of examples for C and Java. For more details, refer to the `README.md` file in the samples directory in your Eduction SDK installation.

- The `EdkGetEntities` function has been added to the Java API.

Resolved Issues

The following issues were resolved in Eduction version 12.4.0.

- If identically-named entities were used in output exclusion expressions by different grammars, Eduction used only the first definition, which could result in unexpected matching behavior.

- Edktool could exit prematurely when compiling invalid XML (for example, missing required attributes or having attributes with invalid values). Compilation now exits cleanly, printing an error message to indicate where the XML failed to parse.

- Eduction could erroneously merge matches if a match was a synonym for two separate matches. This resulted in the output text of such a match combining the output text of both matches.

Resolved Issues for Eduction Server

- On Linux, when running some older versions of the Linux kernel, IDOL components could fail to connect to network ports.

Resolved Issues for Eduction SDK

- The Java API documentation has been updated to include functions that were made public in the 12.3 release but were not documented.

Notes

These notes provide extra information about installing and using Eduction.

- Classes related to `EDKPostProcessor` have been deprecated. These classes are still available for existing implementations, but they might be incompatible with new functionality. The classes might be deleted in future.

Requirements

This section describes the system requirements, supported platforms, and software dependencies for Eduction 12.4.0.

Minimum System Requirements

The following are minimum system requirements for Eduction 12.4.0.

- 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 12.4.0 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 12.4.0 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 12.4.0.

- Windows x86 64

- Linux x86 64

- Solaris x86 64

- Solaris SPARC 64

Documentation

The following documentation was updated for Eduction version 12.4.0.

- *Eduction Server Reference*

The *Eduction SDK Programming Guide* and the *Eduction User Guide* have been combined into a single guide, the *Eduction User and Programming Guide*, which contains information about the Eduction SDK and Eduction Server, as well as general content that applies to Eduction in all contexts.