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Enterprise

HPE Eduction

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New in this Release

This section lists the enhancements to HPE Eduction version 11.4.0.

Enhancements to Eduction Server and Eduction SDK

- Eduction supports a new parameter, `MatchTimeout`. This specifies the maximum amount of time to spend searching for matches (to all chosen entities) at a specific offset. If the timeout is reached, Eduction returns the best match it has found (if any) and continues looking for matches later in the text. The default value of this parameter is 60 seconds, but in most cases the timeout is never reached. The timeout has been added to prevent Eduction running for a long time with abnormal input text.

Enhancements to Eduction Server

- The Eduction Server performance has been improved when specifying parameters in requests that do not match the configured settings. Eduction Server now caches the non-default settings. You can modify the number of configurations to store by setting the `EngineCacheSize` configuration parameter in the `[Server]` section.
- You can now configure action authorization more flexibly. The `[AuthorizationRoles]` configuration section has been added. You can add subsections to create roles, which can use a combination of existing roles (equivalent to the existing `AdminClients`, `QueryClients`, and so on), or a specific set of actions. For each role, you can specify the client IPs and hosts, SSL identities, and GSS principals to use to identify users that have particular permissions to run actions.

If you want to use only SSL and GSS authorization, you can disable the client settings by setting the appropriate client configuration parameters to `""`. For example, `AdminClients=""` disables client authorization for administrative actions, and ensures that users must meet the SSL or GSS requirements.

- You can now set `SSLCertificate` to be a chain certificate in PEM format (consisting of the end-entity certificate, any intermediate certificates, and ending with the root CA certificate). This option allows a complete certificate to be returned to the connected peer.
- You can now set `SSLCheckCertificate` to `False` even when `SSLCACertificate` or `SSLCACertificatePath` are set. This allows the component to fill in any chain required for the `SSLCertificate` by using the certificates that you specify in `SSLCACertificate` and `SSLCACertificatePath`, without requiring a certificate from the connected peer.
- The `GSSAPILibrary` configuration parameter has been added to the `[Paths]` section. You can set this parameter to the path to the GSSAPI shared library or DLL that the application uses. Depending on your system configuration, HPE Eduction attempts to detect the appropriate library to use. However, if you use Kerberos or GSSAPI security in your setup, HPE recommends that you set an explicit value for this parameter.

Resolved Issues

This section lists the resolved issues in HPE Education version 11.4.0.

Resolved Issues for Education Server

- Information for the `education` log stream was included in the same log as the `application` log stream. The `application`, `education`, and `query` log types are now more distinct to make it easier to monitor logs, and the log streams are reported correctly by the `GetLogStreamNames` action.
- The `GetVersion` action could incorrectly report their operating system on Microsoft Windows 10 and Microsoft Windows Server 2016 platforms.

Requirements

This section describes the system requirements, supported platforms, and software dependencies for HPE Eduction 11.4.0.

Minimum System Requirements

The following are minimum system requirements for HPE Eduction 11.4.0.

- 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 Redistributable Package

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

Supported Operating System Platforms

The following operating system platforms are supported by HPE Eduction 11.4.0.

- 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*