

RTI Limited Bandwidth Endpoint Discovery Plugin

Release Notes

Version 6.1.2



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The security features of this product include software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>). This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

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Release Notes

1 Supported Platforms

The RTI® *Limited Bandwidth Endpoint Discovery (LBED) Plugin* is supported on the platforms in [Table 1 Supported Platforms](#). For details on these platforms, see the *RTI Connex DDS Core Libraries Platform Notes*.

Note: POSIX®-compliant architectures that end with "FACE_GP" are not supported. Custom target platforms are not supported.

Table 1 Supported Platforms

Operating System	
Linux®	All platforms on Intel® x64 CPUs listed in the <i>RTI Connex® DDS Core Libraries Release Notes</i> for the same version number, except SUSE® Linux Enterprise Server 12.
QNX®	QNX Neutrino® 6.4.1
Windows®	All Windows platforms listed in the <i>RTI Connex DDS Core Libraries Release Notes</i> .

2 Requirements when Using Microsoft Visual Studio

You must have the appropriate Visual Studio® Redistributable Package installed on the machine where you are *running* an application linked with dynamic libraries. For details, see the *RTI Connex DDS Core Libraries Platform Notes*.

3 Compatibility

The LBED plugin is an optional product for use with RTI® *Connex® DDS* with the same version number.

The plugin is not fully tested and supported in combination with *RTI DDS Spy (rtiddsspy)*, *RTI Recording Service*, *RTI Shapes Demo*, *RTI Persistence Service*, or *RTI Database Integration Service*.

For backward compatibility information between 6.1.2 and previous releases, see the *Migration Guide* on the RTI Community Portal (<https://community.rti.com/documentation>).

4 What's New in 6.1.2

This release adds support for these platforms:

- Ubuntu® 22.04 LTS (x64)
- Windows 11 and Visual Studio 2022 (x64)

5 Previous Releases

5.1 What's Fixed in 6.1.1

5.1.1 Log messages did not print according to verbosity

When the verbosity property was set in the LBED plugin, there was an inconsistency between the verbosity levels of the plugin and the log messages that should have been printed:

- Exceptions were not printed when the verbosity property was set to 0.
- Warnings were not printed when the verbosity property was set to 1.
- Debug messages were not printed when the verbosity property was set to 2.

This is now fixed:

- A negative verbosity value won't print any log message.
- Verbosity = 0 (default) will print exceptions and fatal errors.
- Verbosity = 1 will print exceptions, fatal errors, and warnings.
- Verbosity = 2 and up will print all available log messages.

[RTI Issue ID COREPLG-549]

5.1.2 Potential crash if DomainParticipant name has 255 characters (or more) in LBED static configuration file

If the name of a *DomainParticipant* in the LBED static configuration XML file had 255 or more characters, it was stored internally as a non-null terminated string.

When the string was used internally, for example, to look up the *DomainParticipant's* configuration when it was discovered, the behavior was undefined and may have resulted in not finding the *DomainParticipant* or in a crash.

This issue is now fixed. Now, the null character is always appended to every string, independently of its size.

[RTI Issue ID COREPLG-576]

5.2 What's New in 6.1.0

This release adds support for these platforms:

- Red Hat Enterprise Linux 7.6 (x64)
- Ubuntu® 20.04 LTS (x64)

6 Known Issues

6.1 Some QoS not supported

The following QoSs (introduced in *Connex DDS 5.0*) are not supported in the configuration file. This will be addressed in a future release.

- AvailabilityQosPolicy
- TypeConsistencyEnforcementQosPolicy

6.2 Some features not supported

- Security
- Custom content filters
- Writer-side content filtering

7 Available Documentation

The following documentation is provided with *Limited Bandwidth Endpoint Discovery Plug-in* (where <NDDSHOME> represents the installation directory):

- Installation Guide:
<NDDSHOME>/doc/manuals/addon_products/limited_bandwidth_endpoint_disc/RTI_LimitedBandwidth_EndpointDiscoveryPlugin_InstallationGuide.pdf

- User's Manual:
`<NDDSHOME>/doc/manuals/addon_products/limited_bandwidth_endpoint_disc/RTI_LimitedBandwidth_EndpointDiscoveryPlugin_UsersManual.pdf`
- Example code:
`/home/your user name/rti_workspace/version/examples/connext_dds/c/limited_bandwidth_plugins/lbediscovery`