RTI Limited Bandwidth Plugins

Release Notes

Version 6.1.0
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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 Plugins distribution includes:

- Limited Bandwidth Endpoint Discovery Plugin (LBED)
- Limited Bandwidth Participant Discovery Plugin (LBPD)
- Limited Bandwidth Real-Time Publish Subscribe Plugin (LBRTPS)
- Compression Real-Time Publish Subscribe Plugin (ZRTPS)

Table 2.1 Supported Platforms lists the platforms supported by these plugins. For details on these platforms, see the RTI Connext DDS Core Libraries Platform Notes.

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

Table 2.1 Supported Platforms

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linux (Intel® CPU)</td>
<td>All platforms on x86/x64 CPUs listed in the RTI Connext DDS Core Libraries Release Notes for the same version number, except SUSE® Linux Enterprise Server 12.</td>
</tr>
<tr>
<td>QNX®</td>
<td>QNX Neutrino® 6.4.1 (For LBED Plugin only)</td>
</tr>
<tr>
<td>Windows®</td>
<td>All Windows platforms listed in the RTI Connext DDS Core Libraries Release Notes.</td>
</tr>
</tbody>
</table>

1.1 Requirements when Using Microsoft Visual Studio

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

*Limited Bandwidth Plugins* is an optional product for use with *Connext DDS* with the same version number.

The plugins are known not to work with *rtiddspy, RTI Recording Service, RTI Shapes Demo, RTI Persistence Service*, or *RTI Database Integration Service*.

When using the LBPD plugin with *RTI Routing Service*, either the 'key' or 'participant_name' property may be used. If the 'participant_name' property is used, it must match the participant name generated by *Routing Service*, which uses this format for naming participants: "RTI Routing Service: <service name>.<domain_route name>#\{1,2\}".

For backward compatibility information between 6.1.0 and previous releases, see the *Migration Guide* on the RTI Community Portal ([https://community.rti.com/documentation](https://community.rti.com/documentation)).

3 What's New in 6.1.0

3.1 Added platforms

This release adds support for these platforms:

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

4 Known Issues

4.1 Transport-Related Limitations for ZRTPS

The following are known transport-interaction limitations when using the ZRTPS transport plugin:

- Neither Shared Memory (SHMEM) nor UDPv6 may be used as sub-transports.
- The UDPv4 transport may not be used simultaneously as a transport and a ZRTPS sub-transport.

4.2 Some QoS not Supported by LBED Discovery Plugin

The following QoS (introduced in *Connext DDS 5.0*) are not currently supported in the LBED Plugin configuration file:

- AvailabilityQosPolicy
- TypeConsistencyEnforcementQosPolicy
4.3 Some Features not Supported by LBPD Discovery Plugin

The following features are not currently supported by the LBPD Plugin:

- Security
- TopicQueries
- The `locator_reachability_lease_duration` in the DiscoveryConfigQosPolicy
- Propagation of properties in the PropertyQosPolicy during discovery

[RTI Issue ID COREPLG-418]

5 Available Documentation

The following documentation is provided with *Limited Bandwidth Plug-ins*:

- **Installation Guide:**
  <NDDSHOME>/doc/manuals/addon_products/limited_bandwidth_plugins/
  RTI_LimitedBandwidthPlugins_InstallationGuide.pdf

- **User’s Manual:**
  <NDDSHOME>/doc/manuals/addon_products/limited_bandwidth_plugins/

- Example code
  For Linux systems:
  /home/your_user_name/rti_workspace/version/examples/connext_dds/c/limited_bandwidth_plugins

  For Windows systems:
  C:\Users\your_user_name\Documents\rti_workspace\version\examples\connext_dds\c\limited_bandwidth_plugins