

# **RTI Limited Bandwidth Plugins**

**Release Notes**

**Version 6.1.0**



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Printed in U.S.A. First printing.  
April 2021.

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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 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 2.1 Supported Platforms**

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

### 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 Connex DDS Core Libraries Platform Notes*.

## 2 Compatibility

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

The plugins are known not to work with *rtiddsspy*, *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>).

## 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 *Connex DDS 5.0*) are not currently supported in the LBED Plugin configuration file:

- AvailabilityQosPolicy
- TypeConsistencyEnforcementQosPolicy

## 4.3 Some Features not Supported by LBDP Discovery Plugin

The following features are not currently supported by the LBDP 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/  
RTI\_LimitedBandwidthPlugins\_UsersManual.pdf**
- Example code

For Linux systems:

**/home/your user name/rti\_workspace/version/examples/connex\_t\_dds/c/limited\_bandwidth\_  
plugins**

For Windows systems:

**C:\Users\your user name\Documents\rti\_workspace\version\examples\connex\_t\_dds\c\limited\_  
bandwidth\_plugins**