RTI Limited Bandwidth Endpoint Discovery Plugin

Installation Guide

Version 6.0.1

Trademarks

Copy and Use Restrictions

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Chapter 1 Installing

This document provides instructions on how to install the *RTI® Limited Bandwidth Endpoint Discovery (LBED) Plugin*.

After installation, please see the *RTI Limited Bandwidth Endpoint Discovery Plugin User's Manual* for an overview of the plugin's capabilities and configuration instructions.

Notes:

- These instructions use forward slashes (/) in directory paths. If you are on a Windows machine, use backwards slashes instead (\).
- NDDSHOME is described in .
- You do not need root/administrator privileges.

1. Install *RTI Limited Bandwidth Endpoint Discovery Plugin* on top of *RTI Connext® DDS*:

   Make sure you have a compatible version of *RTI Connext DDS*, as described in the *RTI Limited Bandwidth Endpoint Discovery Plugin Release Notes*.

   Use the **<NDDSHOME>/bin/rtipkginstall** batch file to install *RTI Limited Bandwidth Endpoint Discovery Plugin*:

   ```
   cd <NDDSHOME>
   bin/rtipkginstall <path to file>
   ```

2. Add **<NDDSHOME>/lib/<*architecture*>** to your **PATH** and **LD_LIBRARY_PATH** (on UNIX-based systems) or **Path** (on Windows systems) environment variable (replacing <*architecture*> with the appropriate string for your system architecture).

   Architecture strings are listed in the *RTI Limited Bandwidth Endpoint Discovery Plugin Release Notes*.

   For example, on a UNIX-based system:

```
>setenv PATH \
    /home/your name/rti_connext_dds-6.x.y/lib/i86Linux3gcc4.8.2:$PATH
> setenv LD_LIBRARY_PATH \
    /home/your name/rti_connext_dds-6.x.y/lib/i86Linux3gcc4.8.2:${LD_LIBRARY_PATH}
```

For help with this process, see Step 1, Set up the Environment, in the RTI Connext DDS Core Libraries Getting Started Guide.

> If you are using Visual Studio®: You must have an appropriate version of the Visual Studio Redistributable Package installed on the machine where you are *running* an application built with the dynamic libraries. For details, see the Windows section of the RTI Connext DDS Core Libraries Platform Notes.

Chapter 2 Paths Mentioned in Documentation

The documentation refers to:

- **<NDDSHOME>**

  This refers to the installation directory for *RTI® Connext® DDS*. The default installation paths are:
    - macOS® systems:
      /Applications/rti_connext_dds-6.0.1

    - Linux systems, non-*root* user:
      /home/*<your user name>*/rti_connext_dds-6.0.1

    - Linux systems, *root* user:
      /opt/rti_connext_dds-6.0.1

    - Windows® systems, user without Administrator privileges:
      ***<your home directory>*\rti_connext_dds-6.0.1**

    - Windows systems, user with Administrator privileges:
      C:\Program Files\rti_connext_dds-6.0.1

  You may also see **$NDDSHOME** or **%NDDSHOME%,** which refers to an environment variable set to the installation path.

  Wherever you see **<NDDSHOME>** used in a path, replace it with your installation path.

Note for Windows Users: When using a command prompt to enter a command that includes the path **C:\Program Files** (or any directory name that has a space), enclose the path in quotation marks. For example:

```
"C:\Program Files\rti_connext_dds-6.0.1\bin\rtiddsgen"
```

Or if you have defined the **NDDSHOME** environment variable:

```
"%NDDSHOME%\bin\rtiddsgen"
```

- *<path to examples>*

By default, examples are copied into your home directory the first time you run *RTI Launcher* or any script in **<NDDSHOME>/bin**. This document refers to the location of the copied examples as *<path to examples>*.

Wherever you see *<path to examples>*, replace it with the appropriate path.

Default path to the examples:

- macOS systems: **/Users/<*your user name*>/rti_workspace/6.0.1/examples**

- Linux systems: **/home/<*your user name*>/rti_workspace/6.0.1/examples**

- Windows systems: **<*your Windows documents folder*>\rti_workspace\6.0.1\examples**

  Where 'your Windows documents folder' depends on your version of Windows. For example, on Windows 10, the folder is **C:\Users\<*your user name*>\Documents**.

Note: You can specify a different location for **rti_workspace**. You can also specify that you do not want the examples copied to the workspace. For details, see *Controlling Location for RTI Workspace and Copying of Examples* in the *RTI Connext DDS Installation Guide*.