RPCDDS  
INSTALLATION MANUAL

eProsima

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# Installation

This document describes how to install RPCDDS in several operation systems. Select your operation system and follow the steps.

## Windows 32-bits

### RTI DDS installation

RPCDDS library uses RTI DDS as middleware communication and its libraries are necessary in the system. This RPCDDS library version has been compiled against RTI Connext DDS 5.0.0. Download the RTI Connext DDS 5.0.0 installer and install the middleware.

The environment variable NDDSHOME needs to be set in your system. This environment variable has to point to the installation folder where RTI Connext DDS 5.0.0 was installed.

set NDDSHOME=C:\Program Files (x86)\RTI\ndds.5.0.0

Also the environment variable PATH has to contain the location of the RTI DDS libraries for platform *i86Win32VS2010*. As example:

set PATH=%PATH%;%NDDSHOME%\lib\i86Win32VS2010

### RPCDDS installation

Download the installation package for your system.

**Windows 32-bits package:** RPCDDS-0.1.rc1-win\_RTIDDS-5.0.0.zip

Open the zip file and extract the content over the RTI Connext DDS 5.0.0 installation folder. RPCDDS library has to be accessible for your system. Include in the environment variable PATH the location of the RPCDDS libraries for platform *i86Win32VS2010*.

set PATH=%PATH%;%NDDSHOME%\rpcdds\lib\i86Win32VS2010

### Visual C++ 2010 Redistributable installation

Windows version of RTI DDS and RPCDDS library was developed using Visual C++ 2010 libraries. Usually systems don’t have Microsoft Visual Studio 2010 installed. In these cases the libraries has to be installed. Download and install the next package:

**Visual C++ redistributable package (x86):** [Visual C++ 2010 Redistributable](http://www.microsoft.com/en-us/download/details.aspx?id=8328)

## Windows 64-bits

### RTI DDS installation

RPCDDS library uses RTI DDS as middleware communication and its libraries are necessary in the system. This RPCDDS library version has been compiled against RTI Connext DDS 5.0.0. Download the RTI Connext DDS 5.0.0 installer and install the middleware.

The environment variable NDDSHOME needs to be set in your system. This environment variable has to point to the installation folder where RTI Connext DDS 5.0.0 was installed.

set NDDSHOME=C:\Program Files (x86)\RTI\ndds.5.0.0

Also the environment variable PATH has to contain the location of the RTI DDS libraries for platform *x64Win64VS2010*. As example:

set PATH=%PATH%;%NDDSHOME%\lib\x64Win64VS2010

### RPCDDS installation

Download the installation package for your system.

**Windows 64-bits package:** RPCDDS-0.1.rc1-win\_RTIDDS-5.0.0.zip

Open the zip file and extract the content over the RTI Connext DDS 5.0.0 installation folder. RPCDDS library have to be accessible for your system. Include in the environment variable PATH the location of the RPCDDS libraries for platform *x64Win64VS2010*.

set PATH=%PATH%;%NDDSHOME%\RPCDDS\lib\x64Win64VS2010

### Visual C++ 2010 Redistributable installation

Windows version of RTI DDS and RPCDDS library was developed using Visual C++ 2010 libraries. Usually systems don’t have Microsoft Visual Studio 2010 installed. In these cases the libraries has to be installed. Download and install the next package:

**Visual C++ redistributable package (x64):** [Visual C++ 2010 Redistributable](http://www.microsoft.com/en-us/download/details.aspx?id=13523)