eProsima RPC over DDS

Installation Manual

Version 0.1.RC1

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Experts in networking middleware

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# Basic Requirements

* Windows 7 (32/64 Bit)
* Visual Studio 2010
* RTI Connext DDS 5.0

# Installation

This document describes how to install eProsima RPC over DDS in several operating systems. Select your operating system and follow the steps.

## Windows 7 32-bits

### RTI Connext DDS 5.0 installation

* eProsima RPC over DDS uses RTI Connext DDS 5.0 as its communications engine, and its libraries and tools should be installed. Install RTI Connext with the corresponding installer.
* The environment variable NDDSHOME needs to be set to the RTI Connext DDS installation folder.

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

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

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

### eProsima RPC over DDS installation

* Download the installation package for your system.

eProsima\_RPCDDS-0.1.rc1-i86Win32VS2010-RTIDDS-5.0.0.zip

* Extract the content of the ZIP file in the RTI Connext DDS 5.0.0 installation folder.
* eProsima RPC over DDS library has to be accessible for your system. Include in the environment variable PATH the location of the eProsima RPC over DDS libraries for platform *i86Win32VS2010*.

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

* It is convenient also to add the rpcddsgen tool folder to the PATH:

set PATH=%PATH%;%NDDSHOME%\rpcdds\scripts

### Visual C++ 2010 Redistributable package installation

* eProsima RPC over DDS requires this package. It can be downloaded from:

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

## Windows 7 64-bits

### RTI DDS installation

* eProsima RPC over DDS uses RTI Connext DDS 5.0 as its communications engine, and its libraries and tools should be installed. Install RTI Connext with the corresponding installer.
* The environment variable NDDSHOME needs to be set to the RTI Connext DDS installation folder.

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*.

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

### RPCDDS installation

* Download the installation package for your system.

eProsima\_RPCDDS-0.1.rc1-x64Win64VS2010\_RTIDDS-5.0.0.zip

* Extract the content of the ZIP file in the RTI Connext DDS 5.0.0 installation folder.
* eProsima RPC over DDS library has to be accessible for your system. Include in the environment variable PATH the location of the eProsima RPC over DDS libraries for platform *x64Win64VS2010*.

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

* It is convenient also to add the rpcddsgen tool folder to the PATH:

set PATH=%PATH%;%NDDSHOME%\rpcdds\scripts

### Visual C++ 2010 Redistributable package installation

* eProsima RPC over DDS requires this package. It can be downloaded from:

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