EPROSIMA RPC over DDS

INSTALLATION MANUAL

Version 0.1.RC1

Z:\eProsima Admin\tarjetas_visita\logos\logo_eProsima\logoEprosimaBlueRTI.gif

Experts in networking middleware

eProsima © 2012

|  |  |
| --- | --- |
| Z:\eProsima Admin\tarjetas_visita\logos\logo_eProsima\logoEprosimaBlueRTI_conMens.gif | **eProsima**  **Proyectos y Sistemas de Mantenimiento SL**  Ronda del poniente 2 – 1ºG  28760 Tres Cantos Madrid  **Tel**: + 34 91 804 34 48  [info@eProsima.com](mailto:info@eProsima.com) – [www.eProsima.com](http://www.eProsima.com) |

## Trademarks

eProsima is a trademark of Proyectos y Sistemas SL. All other trademarks used in this document are the property of their respective owners.

## License

eProsima RPC over DDS is licensed under the terms described in the RPCDDS\_LICENSE file included in this distribution.

## Technical Support

* Phone: +34 91 804 34 48
* Email: [Support@eProsima.com](mailto:Support@eProsima.com)

Content

[Installation 3](#_Toc341279057)

[Windows 32-bits 3](#_Toc341279058)

[RTI DDS installation 3](#_Toc341279059)

[Boost C++ libraries installation 3](#_Toc341279060)

[RPCDDS installation 4](#_Toc341279061)

[Visual C++ 2010 Redistributable installation 4](#_Toc341279062)

[Windows 64-bits 4](#_Toc341279063)

[RTI DDS installation 4](#_Toc341279064)

[Boost C++ libraries installation 4](#_Toc341279065)

[RPCDDS installation 5](#_Toc341279066)

[Visual C++ 2010 Redistributable installation 5](#_Toc341279067)

# 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 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. 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

### Visual C++ 2010 Redistributable packageinstallation

eProsima RPC over DDS requires this package.. Download and install the following package:

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

## Windows 7 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)