

eProsima RPC over DDS

Installation Manual
Version 1.0.3





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Table of Contents

eProsima RPC over DDS.....	1
1 Basic Requirements.....	4
1.1 Windows 7 32-bit and 64-bit.....	4
1.1.1 Visual C++ 2010 Redistributable package installation.....	4
1.2 Linux distribution.....	4
1.2.1 Boost.....	4
2 Installation.....	5
2.1 Windows 7 32-bit and 64-bit.....	5
2.2 Linux distribution 32-bit and 64-bit.....	6

1 Basic Requirements

This section describes the basic requirements of *eProxima RPC over DDS* and how to install them.

1.1 Windows 7 32-bit and 64-bit

1.1.1 Visual C++ 2010 Redistributable package installation

eProxima RPC requires Visual C++ Redistributable package. This distribution checks if it is present in the system. If the package is not present, this distribution prompts the user to install it.

1.2 Linux distribution

1.2.1 Boost

eProxima RPC over DDS uses Boost libraries. Install them using the corresponding package manager.

2 Installation

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

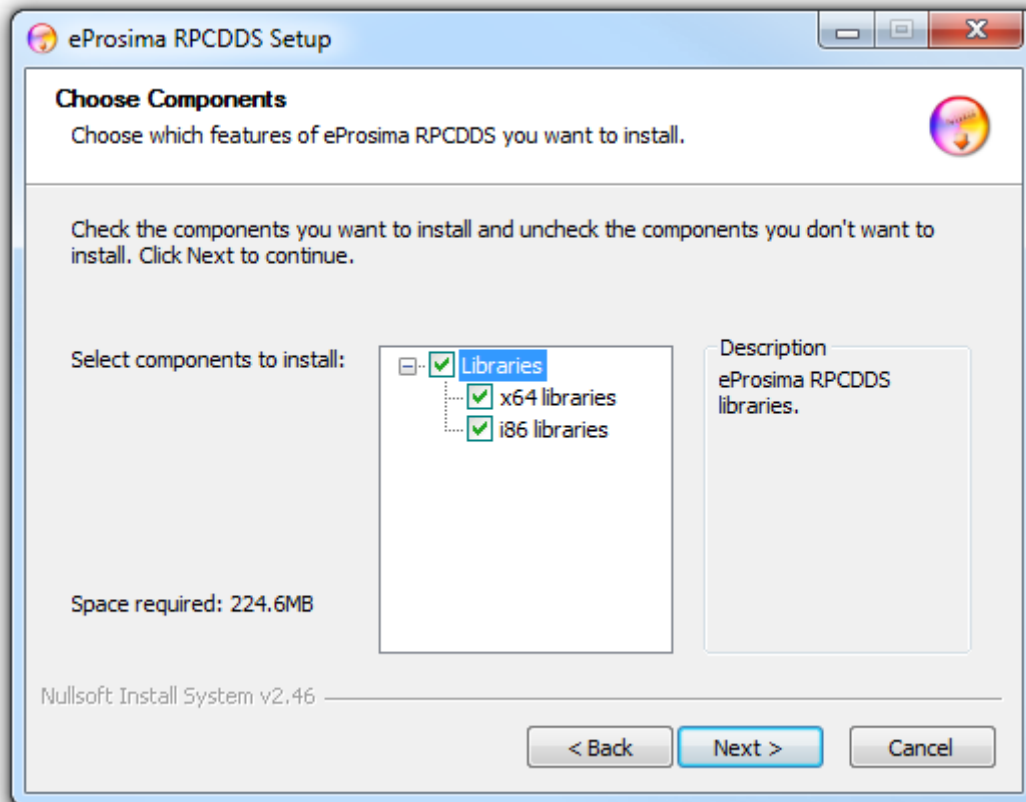
2.1 Windows 7 32-bit and 64-bit

Download the installation package for your system.

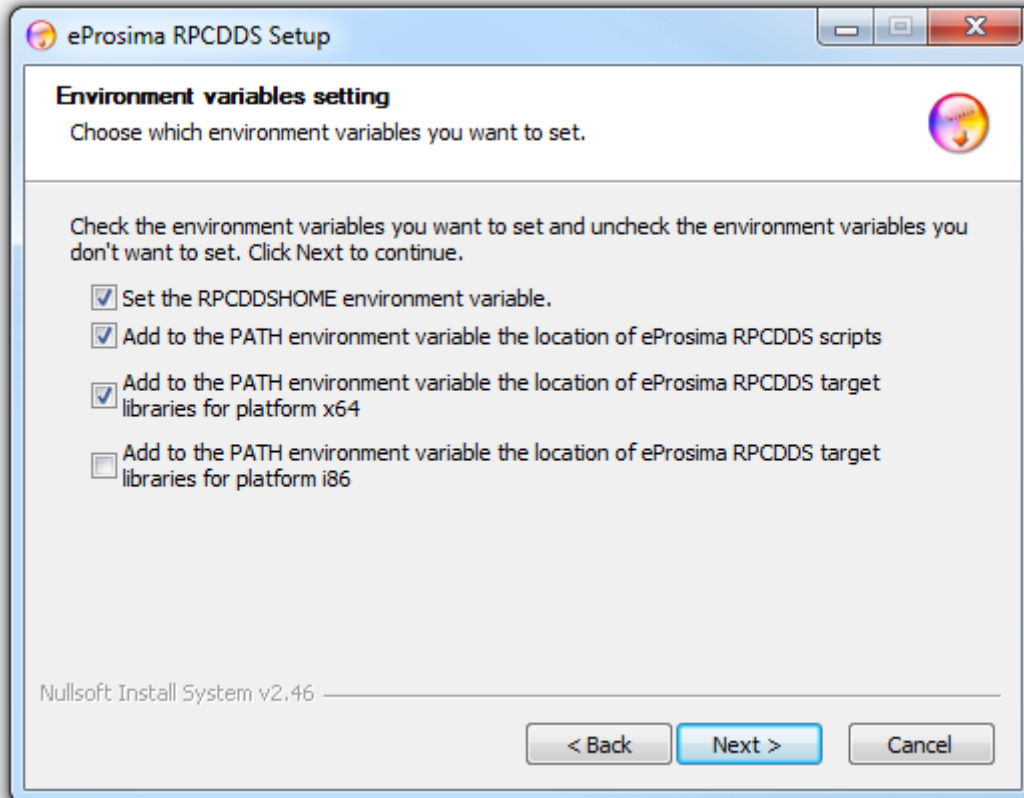
eProxima_RPCDDS-1.0.3-Windows.exe

Execute the installer and follow the instructions. You will be asked for some basic information, such as the installation location or the Start Menu folder.

You should make sure that at least one component is selected in the *Choose Components* step:



Once the main components have been selected click *Next*. Another page named *Environment variable setting* will be shown.



It is recommended to set the environment variable RPCDDSHOME and to make it point to the *eProxima RPC over DDS* installation folder. Make sure this option is selected in the *Environment variable setting* step.

It is also convenient to append the *rpcddsgen* executable location directory to the PATH environment variable of the system. Make sure this option is selected in the *Environment variable setting* step.

The serialization library should also be accessible for your system. The installer offers the possibility of appending the location of the libraries you selected to install to the PATH environment variable. Make sure this option is selected in the *Environment variable setting* step.

2.2 Linux distribution 32-bit and 64-bit

Download the installation package for your system.

```
eProxima_RPCDDS-1.0.3-Linux.tar.gz
```

Extract its content. First, install the *eProxima FastCdr* library needed by *eProxima RPC over DDS*. For 32-bit machines.

```
$ cd fastcdr; ./configure --libdir=/usr/lib; make; make install
```

For 64-bit machines.

```
$ cd fastcdr; ./configure --libdir=/usr/lib64; make; make install
```

Next, install the *eProxima FastRTPS* library needed by *eProxima RPC over DDS*. For 32-bit machines.

```
$ cd fastrtps; ./configure --libdir=/usr/lib; make; make install
```

For 64-bit machines.

```
$ cd fastrtps; ./configure --libdir=/usr/lib64; make; make install
```

Now, install the *eProxima RPC over DDS* software. For 32-bit machines.

```
$ cd rpcdds; ./configure --libdir=/usr/lib; make; make install
```

For 64-bit machines.

```
$ cd rpcdds; ./configure --libdir=/usr/lib64; make; make install
```