

# OPC UA C++ Toolkit for VxWorks Getting Started

## Instructions to install and build sample applications

### 1) Installation on Windows:

Invoke Setup InstallOpcUaCppToolkitVxWorks5.57.0.exe and follow instructions.

### Installation on Linux:

Execute the shell script InstallOpcUaCppToolkitVxWorks5.57.0.sh on the machine you plan to use OPC UA C++ Toolkit.

The directory where the OPC UA C++ Toolkit shall be installed is further on referenced as <install\_dir>

The install script supports following options:

-d install_dir	Directory where the toolkit will be installed. If not provided, directory has to be specified interactive.
-f	Force overwriting existing installation directory without asking
-p productkey	Product key to install source code (use \"demo\" for binaries only).
-m [i386   x86_64]	Machine type of system running the script (Intel 32 bit or 64 bit). Used for installer executable only, installed files are identical. If not specified, the script tries to identify the system by itself. This option should be used only, if installer script cannot detect machine type by its own.

### 2) Now create a demo store for the certificates used by the samples and test applications:

```
cd <install_dir>/VxWorks/Source/PKI  
create_demo_store.bat
```

respective, for Linux:

```
bash create_demo_store.sh
```

### 3) To build the samples or test applications the appropriate Wind River Workbench needs to be used.

The <install\_dir>/VxWorks/Source/Workspace\_x workspace will be used.

For VxWorks 6.9:

- Add a “Linked Resource” named “TB5ROOT” for a folder and specify “<install\_dir>/VxWorks/Source” (Menu “Window” – “Preferences”: “General” – “Workspace” – “Linked Resources”)
- Import the desired project files.

For VxWorks 7 all projects must be based on a VSB, so you have to build your VSB project.

Batches and shell scripts are prepared to add the desired projects to your workspace.

### 4) The documentation is deployed in HTML format and can be found under:

<install\_dir>/VxWorks/Source/Doc

### 5) If source code product key was provided, please have a look at help in “Introduction to the Toolkit” – “Source Code License” and sub-folder “VyWorks” how to compile toolkit sources: