IDE is an acronym which stands for Integrated Development Environment and a short form for the QNX Momentics IDE. The IDE is based on Eclipse and CDT (open source projects). It provides a Graphical User Interface for developing applications for the Neutrino Real Time Operating System (RTOS). The IDE runs on Windows and Linux hosts, uses cross-platform compilers for Neutrino, and supports "target" management with remote running and debugging of applications.

Available for download#

IDE 5.0.1 (SR5 build)#

- Download

IDE 5.0.1 (GA build)#

- Download

For older releases see IDE Releases Archive

Installation Instructions#

This is how to install experimental IDE build from zip file.

Before you install IDE (Platform Patches)#

- This version of IDE will run only on Windows and Linux hosts
- You need a Full Momentics installation to use the IDE (6.3.2 or 6.4.x, 6.5 or 6.6), if you don't have it you can download it from QNX SDP .

Install and launch IDE for the first time (For standalone "unzip" install)#

- Create a directory to store installation (for example /home/me/qnx660/ideSR5). Extract the zip file content in it. The extraction process creates an "eclipse" directory.
- Adjust installation
  - a.) Copy ide launch script located in SDP install directory i.e.
    - cd qnx660
    - cp run-qde.sh run-qde-ideSR5.sh
    - edit the file to replace qde path to the patch of new installation, i.e.
      - /home/me/qnx660/ideSR5/qde "$@"
  - b.) Create the link file for OS documentation.
    - Go into the "eclipse" directory, i.e. cd /home/me/qnx660/ideSR5/eclipse
    - Create a "dropins" directory, i.e. mkdir dropings
    - In "dropins" directory, create a new file, called it "com.qnx.tools.ide.doc.qnx.momentics.6.6.0.link". The "6.6.0" is the SDP version number
    - Put the following contents to the links file, change the path to point to your QNX SDP installation, but maintain the "target/qnx6/usr/help" sub-directory structure.

path=/home/me/qnx660/target/qnx6/usr/help

- Setup Workspace
  - After you install, the first time you start the IDE on Windows, the Workspace Launcher dialog prompts you for a location to store your workspace. By default, the IDE offers to put your workspace

in a sub-directory called "ide-5.0-workspace" or similar. To store your workspace in another location, click "Browse" and select a directory for your workspace. To continue loading the IDE, click "OK".

- **Make sure workspace path does not contain spaces**; this is required for make to work properly on projects inside the workspace.
- Do not create workspace inside installation directory - it complicates future updates
- After IDE starts it should auto-discover your SDP installation
- To check if help is working select Help->Help Contents. You should see QNX Software Development Platform book on the top level, if not check spelling of files and locations of doc link prom previous step

Updating existing IDE installation#

Full IDE archive#

- Use first time installation instruction with different directory name
- Run IDE
- If everything works correctly you can remove previous directory where it was installed (but make sure it does not contain workspace)

Replacing existing IDE installation in Momentics#

- Use first time installation instruction to unzip in some temporary directory
- Go to momentics installation folder $QNX_HOST/usr/qde and RENAME "eclipse" directory to "eclipse_old"
- Move "eclipse" directory from temp installation location into $QNX_HOST/usr/qde
- Now qde script from Momentics and shortcuts would work as before invoking new IDE
- Copy the "links" or "dropins" directory to the new IDE folder.

Update site#

There is remote update site for IDE 4.7 and up.

You can use local update site

- IDE 5.0 http://community.qnx.com/sf/frs/do/viewRelease/projects.ide/frs.ide_5_0.ide_5_0

Licensing#

This is experimental code that is being provided for evaluation purposes only under the terms of a valid QNX Momentics development tool license agreement.