


# Installation Guide




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Printed in Canada. 002496 MC502.05

# Installation Guide

<b>About This Guide</b> . . . . .	.v
Typographical conventions . . . . .	.vii
Before you start . . . . .	.viii
Getting started with the documentation . . . . .	.x
Technical support . . . . .	.xi

 <b>QNX Neutrino RTOS Hosts</b> . . . . .	1
System requirements . . . . .	2
BIOS settings . . . . .	3
Installing QNX SDP . . . . .	4
Activating QNX SDP . . . . .	8
Commercializing your evaluation software . . . . .	10
Creating a bootable floppy . . . . .	11
Updating disk drivers . . . . .	12
Uninstalling QNX SDP . . . . .	13
Determining your base directory . . . . .	14

 <b>Microsoft Windows Hosts</b> . . . . .	15
System requirements . . . . .	16
Installing QNX SDP . . . . .	17
Activating QNX SDP . . . . .	19
Important notes . . . . .	22
Commercializing your evaluation software . . . . .	23
Uninstalling QNX SDP . . . . .	24
Determining your base directory . . . . .	25

<b>3 Linux Hosts</b> .....	.27
System requirements .....	.28
Installing QNX SDP .....	.30
Activating QNX SDP .....	.32
Commercializing your evaluation software .....	.34
Uninstalling QNX SDP .....	.35
Determining your base directory .....	.36

## About This Guide

Thank you for choosing the QNX Software Development Platform version 6.4.0. This guide tells you how to install it from DVD or CD.

Please read this preface for information that applies to all host OSs:

- Typographical conventions
- Before you start
- Getting started with the documentation
- Technical support

and then refer to the chapter for your specific OS:

- QNX Neutrino® RTOS
- Microsoft Windows
- Linux

We no longer support the QNX Momentics® Tool Suite on the following hosts:

- Windows NT
- Linux Red Hat 8 and 9
- Solaris

We no longer support development for ARMBE and MIPS targets.

## Typographical conventions

Throughout this manual, we use certain typographical conventions to distinguish technical terms. In general, the conventions we use conform to those found in IEEE POSIX publications. The following table summarizes our conventions:

<b>Reference</b>	<b>Example</b>
Commands	<b>make</b>
Environment variables	<b>PATH</b>
File and pathnames	<b>/dev/null</b>
Keyboard keys	Enter
Variable names	<i>stdin</i>
User-interface components	<b>Cancel</b>

We use an arrow ( → ) in directions for accessing menu items, like this:

You'll find the **Other...** menu item under  
**Perspective → Show View.**

We use notes and cautions to highlight important messages:



**Notes point out something important or useful.**

---



**CAUTION:** Cautions tell you about commands or procedures that may have unwanted or undesirable side effects.

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## Before you start

Before you install this software, please note the following:

- The 6.4.0 installers do a fresh installation of the QNX Software Development Platform.
- On Linux and Windows hosts, QNX SDP v6.4.0 includes the QNX Momentics Tool Suite, which you can use to develop applications to run on the QNX Neutrino RTOS on a separate target system.
- QNX SDP v6.4.0 for self-hosted QNX Neutrino systems first installs the QNX Neutrino RTOS, followed by the QNX Momentics Tool Suite.

- QNX SDP v6.4.0 includes everything you need to build for all supported platforms (ARM, PowerPC, SH-4, and x86).
- Once you've installed the QNX Software Development Platform, you can find the license agreements in `base_dir/install/qnxstdp/6.4.0`, where `base_dir` is where you installed SDP (see the output from the `qconfig` command).
- QNX SDP v6.4.0 can coexist with QNX Momentics Development Suite v6.3, but if you want to replace 6.3, you must uninstall it and any updates to it before installing 6.4.0. You should uninstall QNX products in the reverse order in which you installed them. To determine this order, use a command like this:

QNX Neutrino RTOS hosts

```
ls -lt `find base_directory -name "*uninstall*.sh"`
```

Windows hosts

```
ls -lt `find base_directory -name "*uninstall*.exe"`
```

Linux hosts

```
ls -lt `find base_directory -name "*uninstall*.bin"`
```

where `base_directory` is where you installed the QNX Software Development Platform.

## Getting started with the documentation

After you've installed QNX SDP v6.4.0, you'll find an extensive set of online documentation in HTML format. You can read it in the Integrated Development Environment's help system on Linux and Windows development hosts; on self-hosted QNX Neutrino systems, you can read it in the Photon helpviewer, or you can use a web browser to display:

```
`${QNX_TARGET}`/usr/help/product/momentics/bookset.html
```

This “roadmap” page contains links to the various HTML booksets that accompany the OS (e.g. *System Architecture*, *QNX Neutrino RTOS Programmer's Guide*, *Library Reference*, *Utilities Reference*, etc.).

The online documentation includes the release notes. For the most up-to-date version of these notes, go to our website, **www.qnx.com**, log into your myQNX account, and then go to the Download area.

You can install and work with multiple versions of the QNX Neutrino RTOS. Whether you're using the command line or the IDE, you can choose which version of the OS to build programs for. For more information, see the IDE *User's Guide* or the QNX Neutrino RTOS *Programmer's Guide*.

## Technical support

To obtain technical support for any QNX product, visit the **Support + Services** area on our website ([www.qnx.com](http://www.qnx.com)). You'll find a wide range of support options, including community forums.



# QNX Neutrino RTOS Hosts

System requirements . . . . .	2
BIOS settings . . . . .	3
Installing QNX SDP . . . . .	4
Activating QNX SDP . . . . .	8
Commercializing your evaluation software . . . . .	10
Creating a bootable floppy . . . . .	11
Updating disk drivers . . . . .	12
Uninstalling QNX SDP . . . . .	13
Determining your base directory . . . . .	14



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If you've already installed an evaluation version of QNX SDP v6.4.0, and you've purchased and received a commercial QNX license, please go to "Commercializing your evaluation software," below.

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## System requirements

	<b>Minimum</b>	<b>Recommended</b>
Processor	2 GHz or more Intel Pentium 4	2 GHz or more Intel Pentium 4
RAM	512 MB	1 GB
Disk space	1.5 GB	1.5 GB
Monitor	1024x768	1280x1024

## BIOS settings

We recommend you use the following BIOS settings:

- Disable **Plug and Play OS**.
- Set any parallel ports and onboard serial ports to specific addresses, if possible, instead of using an automatic setting.
- Enable SATA if your system includes a SATA drive.
- If you want to boot the QNX Neutrino RTOS from the DVD or CD — either to try it without installing it, or for troubleshooting — make sure that the appropriate drive is the first boot device.
- If your BIOS is has an option for booting from “Other USB devices,” enabling it could make the BIOS take a very long time to start.

## Installing QNX SDP

---



- For QNX Neutrino RTOS self-hosted development, it's possible to have more than one version of QNX SDP installed on your computer at the same time, by having them in separate partitions. If you want to retain an earlier released version of QNX Momentics Tool Suite, install 6.4.0 in a new partition. When you boot, you're asked to choose the partition by its number. If you're then prompted to choose from multiple `.diskroot` files, choose the one that corresponds to the partition that you already chose.
  - You can install QNX SDP into a new partition without harming the contents of other partitions.
  - In text mode, we support only the US keyboard layout.
- 

To install QNX SDP v6.4.0, do the following:

- 1 Insert the QNX Software Development Platform v6.4.0 Installation DVD or the QNX Software Development Platform v6.4.0 Installation and Boot CD into the appropriate drive.
- 2 Boot from the disk and follow the instructions on your screen. Depending on your system, the installer may ask you to do the following:
  - Decide whether to run from the disk or install the QNX Neutrino RTOS into a new disk partition. Press F3 to install, and then choose between normal and verbose modes.
  - Enter your license key. You can use lower- or uppercase for the letters, and it doesn't matter if you include or omit the hyphens.
  - Read the license agreement. To accept its terms and continue with the installation, press F1.

- Choose which disk you'd like to install the QNX Neutrino RTOS on.
- If your system has more than one DVD or CD drive, choose which one you'd like to install the QNX Neutrino RTOS from.
- Choose the location for the new partition, and then the type:
  - 177, 178, or 179 for the new Power-Safe (**fs-qnx6.so**) filesystem — see the Filesystems chapter of the *System Architecture* guide for a description
  - 77, 78, or 79 for the QNX 4 (**fs-qnx4.so**) filesystem

The default is 179. If there's already a partition of the type you chose, you're given the choice of deleting a partition or choosing another type.
- Choose the size of the new partition.
- The installer might ask you to choose a boot loader to use.
- Choose where to install the software. We recommend you use the default location, **/usr/qnx640**.

The installer will also ask if you wish to install a package of GNU Public License programs, such as tar and sed. We recommend that you do so for development machines.

- 3 When prompted, remove the disk from the drive and then reboot.



If your EIDE doesn't support DMA, boot using `.altboot`; press Esc when prompted.

---

If you have more than one partition on your disk, choose the one you installed the QNX Neutrino RTOS in. Choose the appropriate boot loader. If you don't choose a partition or boot loader, the system uses the default ones.

- 4 The first time you boot, a dialog asks you to choose the video driver, resolution, color depth, and refresh rate that are appropriate for your system. You can also select **Global Options** so you can choose whether to boot into text or graphical (Photon) mode.

- 5 Log in as **root** (or click **Superuser** in graphical mode). This account initially has no password; for instructions for setting the password and creating other accounts, see the Managing User Accounts chapter of the QNX Neutrino RTOS *User's Guide*. You'll find this manual in the online documentation, as well as on our website.
- 6 Set the time zone, time, date, and so on in the Localization windows.
- 7 Activate your software (see “Activating QNX SDP,” below).

For more information about booting, see the Controlling How Neutrino Starts chapter of the QNX Neutrino RTOS *User's Guide*.

## Activating QNX SDP

The QNX Momentics Tool Suite and certain related products require activation. If you don't activate the product within the specified timeframe, the product will cease to function until you activate it. No personal data is transferred during the activation process.

### Activating automatically

If your development host is connected to the Internet, you can activate QNX SDP automatically.

### Activating manually

If your machine isn't connected to the Internet, you must activate your software manually from a machine that is, by doing the following:

- 1 In the QNX SDP Activation dialog, click **Activate Manually**. The Manual Activation dialog appears with an activate-prompt key. This dialog has a button that you can use to save the activate-prompt key in a file, `/etc/qnx/license/activate_prompt_key.txt`. This can eliminate the need to retype the key, which can be error-prone.
- 2 Transfer the activate-prompt key to the machine that's connected to the Internet.

- 3 Go to our website, [www.qnx.com](http://www.qnx.com), log into your myQNX account, and choose Manual Product Activation (6.3.x or 6.4.x).
- 4 Enter the activate-prompt key into the form that appears, and then click **Generate Response Key**. This will return an activate-response key.
- 5 Copy the activate-response key and paste it in a file.
- 6 Transfer the file into `/etc/qnx/license/activate_response_key.txt` on your QNX SDP development host.
- 7 If you closed the QNX SDP Activation dialog, open it again by selecting **Configure → Activate License** from the Launch menu, or by entering the following at a terminal prompt: `/etc/qnx/bin/qnxactivate -a`
- 8 Choose **Activate Manually**, and use the **Load Response from File** button to load the activate-response key, and then click **Activate**.

If you choose not to activate at the time of installation, you can activate later by selecting **Configure → Activate License** from the Launch menu, or by entering the following at a terminal prompt:

```
/etc/qnx/bin/qnxactivate -a
```

## Commercializing your evaluation software

If you installed an evaluation copy of QNX SDP v6.4.0, and you've now received a commercial QNX license, do the following to add your commercial license:

- 1 Choose **Configure** → **Add License** from the Launch menu.
- 2 Enter the license-key information that's on your commercial QNX license.
- 3 Read the displayed End User License Agreement (EULA) and accept its terms if you wish to continue.

## Creating a bootable floppy

We recommend that you install QNX SDP on a machine that can boot from a CD-ROM. If your machine can't do this, you can create a bootable floppy.

The root directory of the QNX SDP installation DVD or CD contains an image of a bootable floppy, named **instflop.dat**. To copy this file to a boot disk:

- On UNIX-style machines (including the QNX Neutrino RTOS), use a utility such as **dd** to copy this image to a boot disk: **dd if=instflop.dat of=/dev/fd0**
- On Windows, you need a raw-copy utility. Although we don't support any such utilities, we recommend you use **rawwrite**, which you can find at: **<http://www.chrysocome.net/rawwrite>**

Download this utility and extract it to a folder.

To create a bootable floppy:

- 1 Start **rawwrite**.
- 2 Make sure the Floppy Drive combo box refers to your floppy drive.
- 3 Under the Write tab, specify the location of **instflop.dat** in the Image File field, and click **Write**.

## Updating disk drivers

The QNX Neutrino RTOS boot process can dynamically add block I/O (i.e. disk) drivers, letting you boot on systems with newer controllers. The mechanism is simple and not proprietary to QNX Software Systems, so third parties can offer enhanced block drivers without any intervention on our part. For more information, see “Updating disk drivers” in the Controlling How Neutrino Starts chapter of the QNX Neutrino RTOS *User’s Guide*.

## Uninstalling QNX SDP

---



You should uninstall QNX products in the reverse order in which you installed them. To determine this order, use a command like this:

```
ls -lt `find base_directory -name "*uninstall*.sh"`
```

where *base\_directory* is where you installed the QNX Software Development Platform.

---

If you want to uninstall QNX SDP completely, simply erase or delete the partition you installed it in.

## Determining your base directory

To determine the base directory for QNX SDP, open a command shell and use the `qconfig` command. For example:

```
$ qconfig
```

```
QNX Installations
```

```
Installation Name: QNX Software Development Platform 6.4.0
```

```
Version: 6.4.0
```

```
Base Directory: /usr/qnx640/
```

```
QNX_HOST: /usr/qnx640/host/qnx6/x86/
```

```
QNX_TARGET: /usr/qnx640/target/qnx6/
```

The base directory in this example is `/usr/qnx640/`, but it could be different on your machine, depending on where you installed QNX SDP.

## Microsoft Windows Hosts

System requirements . . . . .	16
Installing QNX SDP . . . . .	17
Activating QNX SDP . . . . .	19
Important notes . . . . .	22
Commercializing your evaluation software . . . . .	23
Uninstalling QNX SDP . . . . .	24
Determining your base directory . . . . .	25



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If you've already installed an evaluation version of QNX SDP v6.4.0, and you've purchased and received a commercial QNX license, please go to "Commercializing your evaluation software," below.

---

## System requirements

Host OS:

- Windows Vista
- Windows Vista 64-bit
- Windows XP SP2 or SP3
- Windows 2000 SP4

	<b>Minimum</b>	<b>Recommended</b>
<b>Processor</b>	Pentium III, 700 MHz	Pentium 4, 2 GHz or more
<b>RAM</b>	256 MB <sup>a</sup>	512 MB <sup>a</sup>
<b>Disk space</b>	2.1 GB <sup>a</sup>	2.1 GB <sup>a</sup>
<b>Monitor</b>	1024x768	1280x1024

<sup>a</sup> Windows Vista requires an additional 512 MB of available RAM and disk space.

The system profiler in the IDE requires a minimum color depth of 16 bits.

## Installing QNX SDP

---



**CAUTION:** If you install the QNX Neutrino RTOS in a partition on a Windows machine and later use Windows software to create another partition, you'll lose your QNX Neutrino partition.

---

To install QNX SDP v6.4.0, do the following:

- 1 Boot into Windows and log in as a user with system-administrator privileges.
  - 2 Insert the QNX Software Development Platform v6.4.0 DVD in the DVD drive. The installation should start automatically; if it doesn't, double-click **qnxsdp-6.4.0-*nnnnnnnnnnnn*-win32.exe** (where *nnnnnnnnnnnn* is a build number), which you'll find in the root directory of the disk.
- 



Java's AWT and Swing aren't supported in 16-color mode; they require a minimum of 256 colors. If you get a message, "Unable to run in graphical mode," run the installer in console mode, by typing this in a DOS prompt window:

```
drive: \qnxsdp-6.4.0-nnnnnnnnnnnn-win32.exe -console
```

where *drive* is the drive letter for your DVD drive, and *nnnnnnnnnnnn* is the appropriate build number.

---

- 3 Follow the instructions provided by InstallShield. We recommend you use the default location for the software, **C:\QNX640**.

The installer will also ask if you wish to install a package of GNU Public License programs, such as **tar** and **sed**. We recommend that you do so for development machines.

If QNX Software Systems has a contract with you to support server-based licenses, you have a special license key that tells the software to enforce these licenses. In this case, the installer presents a panel where you can specify the hostname or IP address of the server, and the port on which the server is listening for connections. If you're using the default port, you can leave the port blank.

- 4 Log out and log back in again, so that the environment is set up correctly.

Your desktop should now include an icon for the QNX Momentics IDE 4.5.

## Activating QNX SDP

The QNX Momentics Tool Suite and certain related products require activation. If you don't activate the product within the specified timeframe, the product will cease to function until you activate it. No personal data is transferred during the activation process.

### Activating automatically

If your development host is connected to the Internet, you can activate QNX SDP automatically.

### Activating manually

If your machine isn't connected to the Internet, you must activate your software manually from a machine that is, by doing the following:

- 1 In the QNX SDP Activation dialog, click Activate Manually.

The Manual Activation dialog appears with an activate-prompt key. This dialog has a button that you can use to save the activate-prompt key in the file:

```
drive:\Program Files\QNX Software Systems\license\activate_  
prompt_key.txt
```

where drive is the name of the drive where you installed QNX SDP. This can eliminate the need to retype the key, which can be error-prone.

- 2 Transfer the activate-prompt key to the machine that's connected to the Internet.
- 3 Go to our website, [www.qnx.com](http://www.qnx.com), log into your myQNX account, and choose Manual Product Activation (6.3.x or 6.4.x).
- 4 Enter the activate-prompt key into the form that appears, and then click Generate Response Key. This will return an activate-response key.
- 5 Copy the activate-response key and paste it in a file.
- 6 Transfer the file into:

```
drive:\Program Files\QNX Software Systems\license\activate_
response_key.txt
```

on your QNX SDP development host.

- 7 If you closed the QNX SDP Activation dialog, open it again by selecting **Programs → QNX Software Development Platform 6.4.0 → License Management → Activate License** from the Start menu, or by entering the following at the command prompt:

```
drive:\Program Files\QNX Software Systems\bin\qnxactivate -a
```

- 8 Choose Activate Manually, and use the Load Response from File button to load the activate-response key, and then click Activate.

If you choose not to activate at the time of installation, you can activate later by selecting **Programs → QNX Software Development Platform 6.4.0 → License Management → Activate License** from the Start menu, or by entering the following at the command prompt:

```
drive: \Program Files\QNX Software Systems\bin\qnxactivate -a
```

where *drive* is the name of the drive where you installed QNX SDP.

## Important notes

- We provide the Korn shell (**ksh.exe**), which you'll find under `${QNX_HOST}/usr/bin` (e.g. `C:\QNX640\host\win32\x86\usr\bin`). You may want to create desktop shortcuts for the executables you'll use often.
- On Windows, the QNX-provided **echo.exe** interprets the Windows `\` separator as an escape character. As a result, environment variable settings won't work if you use `\` as a path separator; use `/` instead. (Ref# 19924)
- If your **PATH** contains quotation marks, **ln-w** doesn't work properly. (Ref# 20046)

## Commercializing your evaluation software

If you installed an evaluation copy of QNX SDP v6.4.0, and you've now received a commercial QNX license, do the following to add your commercial license:

- 1 Choose **Programs → QNX Software Development Platform 6.4.0 → License Management → Add License** from the Start menu, or enter the following at the command prompt:

```
base_directory\install\qnxmdp\6.4.0\AddLicense.exe
```

where *base\_directory* is where you installed QNX SDP (see “Determining your base directory,” at the end of this section).

- 2 In the QNX SDP License Key Entry dialog, fill in the field with the license-key information that's on your commercial QNX license.
- 3 When you've finished entering the information, click **Add** to save the license-key information and configure your QNX SDP tools to use this file.
- 4 After entering the license key, you'll be presented with the appropriate license agreement. You'll need to accept it in order to successfully add a license.

## Uninstalling QNX SDP



You should uninstall QNX products in the reverse order in which you installed them. To determine this order, open a bash shell and use a command like this:

```
ls -lt `find base_directory -name "*uninstall*.exe" `
```

where *base\_directory* is where you installed the QNX Software Development Platform.

To uninstall QNX SDP, do the following:

- 1 Log in as a user with system-administrator privileges.
- 2 Do one of the following:
  - Choose **Programs** → **QNX Software Development Platform 6.4.0** → **Uninstall QNX Software Development Platform 6.4.0** from the Start menu, or:
  - Choose **Add or Remove Programs** from the Control Panel, select “QNX Software Development Platform 6.4.0,” and then click the **Remove** button, or:
  - On Windows Vista, choose **Programs and Features**, select QNX Software Development Platform 6.4.0, and then click **Uninstall/Change**, or:
  - Go to the *base\_dir\uninstall\qnx640* directory and run **uninstaller.exe**.
- 3 Log out and back in again.



In some cases, if you uninstall QNX SDP, the Add or Remove Programs window still lists some BSPs and DDKs. Press F5 while in Add or Remove Programs to refresh the list and show what's actually installed.

## Determining your base directory

To determine the base directory for QNX SDP, open a command shell and use the **qconfig** command. For example:

```
C:\>qconfig
```

```
QNX Installations
```

```
Installation Name: QNX Software Development Platform 6.4.0
```

```
Version: 6.4.0
```

```
Base Directory: C:/QNX640/
```

```
QNX_HOST: C:/QNX640/host/win32/x86/
```

```
QNX_TARGET: C:/QNX640/target/qnx6/
```

The base directory in this example is **C:/QNX640/**, but it could be different on your machine, depending on where you installed QNX SDP.



## Linux Hosts

System requirements . . . . .	28
Installing QNX SDP . . . . .	30
Activating QNX SDP . . . . .	32
Commercializing your evaluation software . . . . .	34
Uninstalling QNX SDP . . . . .	35
Determining your base directory . . . . .	36



If you've already installed an evaluation version of QNX SDP v6.4.0, and you've purchased and received a commercial QNX license, please go to “Commercializing your evaluation software,” below.

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## System requirements

Host OS:

- Red Hat Enterprise Linux Workstation 4 or 5
- Red Hat Enterprise Server 5.1 64-bit
- Red Hat Fedora Core 6 or 7
- Ubuntu 6.0.6 LTS or 7
- SUSE Linux 10



You can't install QNX SDP v6.4.0 on machines that are running 64-bit Linux Ubuntu 7.10.  
(Ref# 56182)

---

	<b>Minimum</b>	<b>Recommended</b>
<b>Processor</b>	Pentium III, 700 MHz	Pentium 4, 2 GHz or more
<b>RAM</b>	256 MB	512 MB
<b>Disk space</b>	1.6 GB	1.6 GB
<b>Monitor</b>	1024x768	1280x1024

The system profiler in the IDE requires a minimum color depth of 16 bits.

## Installing QNX SDP

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If you're running selinux (secure Linux), disable it before installing QNX SDP. Otherwise, after you've entered the license key and clicked Next, the installation will fail with this error:

```
java.lang.UnsatisfiedLinkError: no qnxlic in java.library.path
```

---

To install QNX SDP v6.4.0, do the following:

- 1 Boot into Linux and log in as **root**.
  - 2 Insert the QNX Software Development Platform v6.4.0 DVD in the DVD drive.
  - 3 If the system offers to run autorun, choose Yes; otherwise run **qnxsdp-6.4.0-*nnnnnnnnnn*-linux.bin** (where *nnnnnnnnnn* is a build number), which you'll find in the root directory of the DVD.
- 



If your system won't let you execute from a DVD, unmount the DVD and remount it by hand.

---

- 4 Follow the instructions provided by InstallShield. We recommend you use the default location for the software, `/opt/qnx640`. The installer will also ask if you wish to install a package of GNU Public License programs, such as `tar` and `sed`. We recommend that you do so for development machines.

If QNX Software Systems has a contract with you to support server-based licenses, you have a special license key that tells the software to enforce these licenses. In this case, the installer presents a panel where you can specify the hostname or IP address of the server, and the port on which the server is listening for connections. If you're using the default port, you can leave the port blank.

- 5 Log out and log back in again, so that the environment is set up correctly.

## Activating QNX SDP

The QNX Momentics Tool Suite and certain related products require activation. If you don't activate the product within the specified timeframe, the product will cease to function until you activate it. No personal data is transferred during the activation process.

### Activating automatically

If your development host is connected to the Internet, you can activate QNX SDP automatically.

### Activating manually

If your machine isn't connected to the Internet, you must activate your software manually from a machine that is, by doing the following:

- 1 In the QNX SDP Activation dialog, click **Activate Manually**.  
The Manual Activation dialog appears with an activate-prompt key. This dialog has a button that you can use to save the activate-prompt key in a file, **`/etc/qnx/license/activate_prompt_key.txt`**. This can eliminate the need to retype the key, which can be error-prone.
- 2 Transfer the activate-prompt key to the machine that's connected to the Internet.

- 3 Go to our website, [www.qnx.com](http://www.qnx.com), log into your myQNX account, and choose Manual Product Activation (6.3.x or 6.4.x).
- 4 Enter the activate-prompt key into the form that appears, and then click Generate Response Key. This will return an activate-response key.
- 5 Copy the activate-response key and paste it in a file.
- 6 Transfer the file into `/etc/qnx/license/activate_response_key.txt` on your QNX SDP development host.
- 7 If you closed the QNX SDP Activation dialog, open it again by entering the following at a terminal prompt: `/etc/qnx/bin/qnxactivate -a`
- 8 Choose Activate Manually, and use the Load Response from File button to load the activate-response key, and then click Activate.

If you choose not to activate at the time of installation, you can activate later by entering the following at a terminal prompt:

```
/etc/qnx/bin/qnxactivate -a
```

## Commercializing your evaluation software

If you installed an evaluation copy of QNX SDP v6.4.0, and you've now received a commercial QNX license, do the following to add your commercial license:

- 1 Type the following at a terminal prompt:

```
base_directory/install/qnxsdp/6.4.0/AddLicense.bin
```

where *base\_directory* is where you installed QNX SDP (see “Determining your base directory,” at the end of this section).

- 2 In the QNX SDP License Key Entry dialog, fill in the field with the license-key information that's on your commercial QNX license.
- 3 When you've finished entering the information, click **Add** to save the license-key information and configure your QNX SDP tools to use this file.
- 4 After entering the license key, you'll be presented with the appropriate license agreement. You'll need to accept it in order to successfully add a license.

## Uninstalling QNX SDP

---



You should uninstall QNX products in the reverse order in which you installed them. To determine this order, use a command like this:

```
ls -lt `find base_directory -name "*uninstall*.bin"`
```

where *base\_directory* is where you installed the QNX Software Development Platform.

---

To uninstall QNX SDP, do the following:

- Log in as **root**
- Go to the **base\_directory/\_uninstall/qnx640** directory (see “Determining your base directory,” below) and run: **./uninstaller.bin**
- Log out and back in again.

## Determining your base directory

To determine the base directory for QNX SDP, open a command shell and use the **qconfig** command. For example:

```
$ qconfig
```

```
QNX Installations
```

```
Installation Name: QNX Software Development Platform 6.4.0
```

```
Version: 6.4.0
```

```
Base Directory: /opt/qnx640/
```

```
QNX_HOST: /opt/qnx640/host/linux/x86/
```

```
QNX_TARGET: /opt/qnx640/target/qnx6/
```

The base directory in this example is **/opt/qnx640/**, but it could be different on your machine, depending on where you installed QNX SDP.

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