

# QNX Installation

October 2025

Get started at <https://blackberry.qnx.com/en/products/qnx-everywhere> and go to <https://www.qnx.com/products/everywhere> to create a myQNX account.

The screenshot shows the QNX website interface. At the top, there's a navigation bar with links like 'Speedtest by Ookla...', 'CU Sites', 'CU sites', 'Advising', 'FPGA', 'PLESD', 'MESA', 'RTES', 'Coursera', 'FPGA Training', 'OS', 'Programming', 'Technical', 'Teaching', 'Personal', 'SoC', 'Home', 'git', 'Organization', and 'Drones'. Below this is a search bar and 'Contact' and 'Login' links. The main content area features a 'Resources' sidebar with a 'BSP directory' link. The central banner reads 'Free Access to QNX SDP 8.0 for Non-Commercial Use'. Below the banner, text explains that users can get a free QNX SDP 8.0 license for personal non-commercial use. It states: 'You must first have a myQNX account which will allow you to access your license and associated downloads.' It then provides two options: 'If you have an account, click here to enter your credentials.' and 'If you are new to QNX and do not have an account, please create a myQNX account and...'. A red arrow points to the 'create a myQNX account' link. Below this, it says: 'When you return to this page as a logged-in user, you will be able to accept the non-commercial license terms and get your free license.' The footer contains a table with five columns: 'Company', 'Community', 'Try QNX Now', 'Collateral', and 'Headquarters'. The 'Company' column lists links like 'About BlackBerry QNX', 'Autonomous Vehicle Innovation Centre', 'Careers', 'Certifications', 'Events & Webcasts', 'News', 'QNX-in-Education', and 'Webinars'. The 'Community' column lists 'Developer community', 'Product documentation', and 'Products & Updates'. The 'Try QNX Now' column lists '30-day free evaluation' and 'Reference designs & demos'. The 'Collateral' column lists 'QNX Download Center', 'Benchmarks', and 'Whitepapers'. The 'Headquarters' column lists the address '1001 Farrar Road, Ottawa, ON K2K 0B3, Canada', phone '+1-613-591-0931', email 'info@qnx.com', and a link to 'Worldwide locations'. At the bottom, there's a copyright notice 'Copyright © 2020 QNX Software Systems Limited, a subsidiary of BlackBerry.' and links for 'Accessibility', 'Privacy', 'Licensing', 'Legal', and 'Sitemap'. A cookie consent banner at the very bottom says 'BlackBerry uses cookies to help make our website better. Some of the cookies are necessary for the proper functioning of the website while others, non-essential cookies, are used to better understand how you interact with our website and to make it better. You can accept the use of cookies here'.

Once you login, click or search for “Free Access to QNX SDP 8.0 for Non-Commercial Use.” From here, you will need to accept the license agreement and wait for the email to arrive. Follow the directions in the email.

www.qnx.com/products/everywhere

Resources  
BSP directory

## Free Access to QNX SDP 8.0 for Non-Commercial Use

Follow these steps to get your QNX Software Development Platform 8.0 license for non-commercial use:

**Step 1: Accept the terms and request the license.**

To get free access to QNX SDP 8.0, you must accept the terms of the **QNX Development License Agreement**.

[Click this link to view a printable PDF version of the agreement.](#)  
☒ I have read, understood and agree to the terms of the QNX Development License Agreement.

By clicking "Submit", you are also indicating that you have read, understood, and agree to the [QNX Web Site Terms of Use](#) and the [BlackBerry Privacy Policy](#).

**Step 2: Accept and deploy the license in your myQNX account**

Once you receive your license, accept and deploy it in your myQNX License Manager.

Open the **myQNX License Manager**: <https://www.qnx.com/account/dashboard>. This is where your license will appear once your request has been processed.

- Click **Accept License**
- Click the product's Users field, then click **Deploy**.
- Enter your own myQNX account email address to deploy the license to yourself, then click **Save**.

**Step 3: Download QNX Software Center and install QNX SDP 8.0**

After deploying the license, you are able to access the QNX Software Center and use it to install QNX SDP 8.0. Go to <https://www.qnx.com/download/group.html?programid=29178> to download.

Company    Community    Try QNX Now    Collateral    Headquarters

About BlackBerry QNX    Developer community    30-day free evaluation    QNX Download Center    1001 Farrar Road  
Autonomous Mobile Navigation    Product documentation    Reference designs & demos    Benchmarks    Ottawa, ON K2K 0P3

BlackBerry uses cookies to help make our website better. Some of the cookies are necessary for the proper functioning of the website while others, non-essential cookies, are used to better understand how you interact with our website and to make it better.

Then go to the QNX license manager and accept the license, click the product's Users field, click Deploy, enter your myQNX email address and click Save to deploy to yourself. The status will change to deployed in the license manager. Then download the QNX SDP 8.0.

www.qnx.com/account/dashboard

Contact myQNX Logout

Products & Services    Markets    Developers    Partners    Support

### myQNX License Manager

Menu

License Manager

My Registered Products

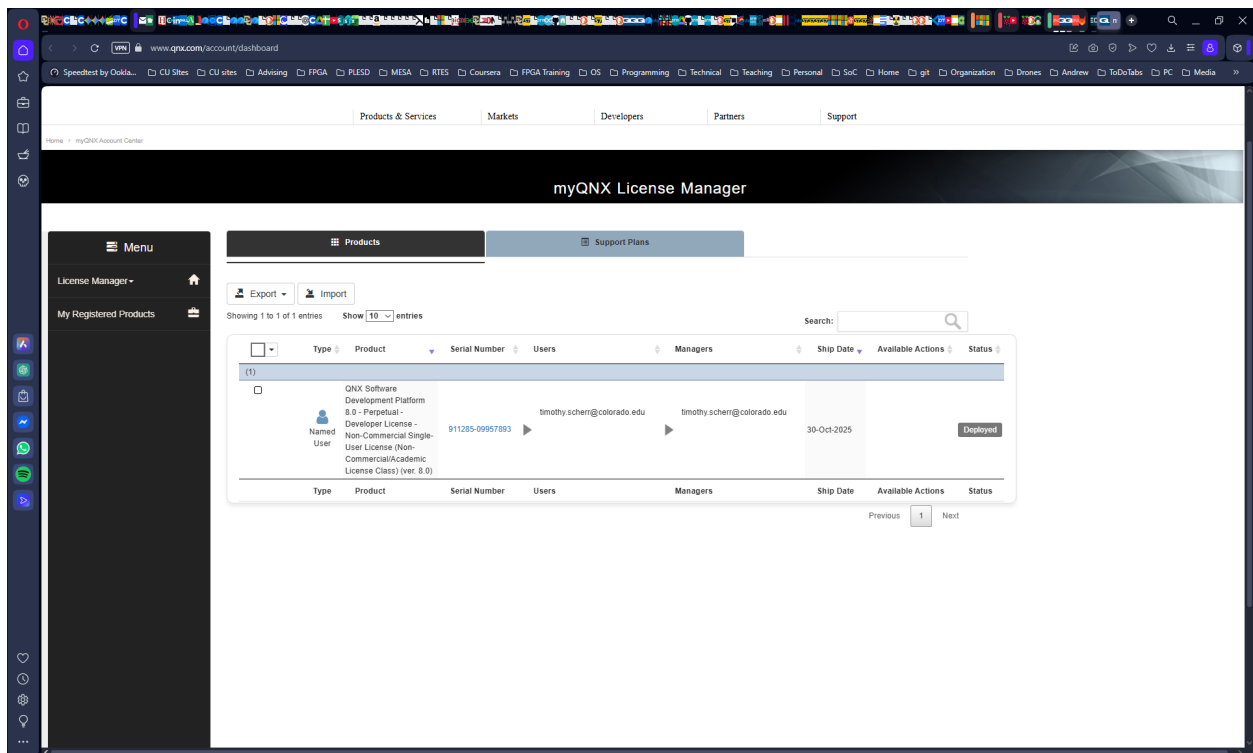
Products    Support Plans

Export Import

Showing 1 to 1 of 1 entries    Show 10 entries    Search:

Type	Product	Serial Number	Users	Managers	Ship Date	Available Actions	Status
<input type="checkbox"/>	QNX Software Development Platform 8.0 - Perpetual - Developer License - Non-Commercial Single-User License (Non-Commercial/Academic License Class) (ver. 8.0)	911285-09957893	<a href="#">Accept License</a> View License Agreement Click to deploy to user/s	You must accept the license agreement before allocating to other managers timothy.schemi@colorado.edu	30-Oct-2025	<a href="#">Available</a>	Available

Previous 1 Next

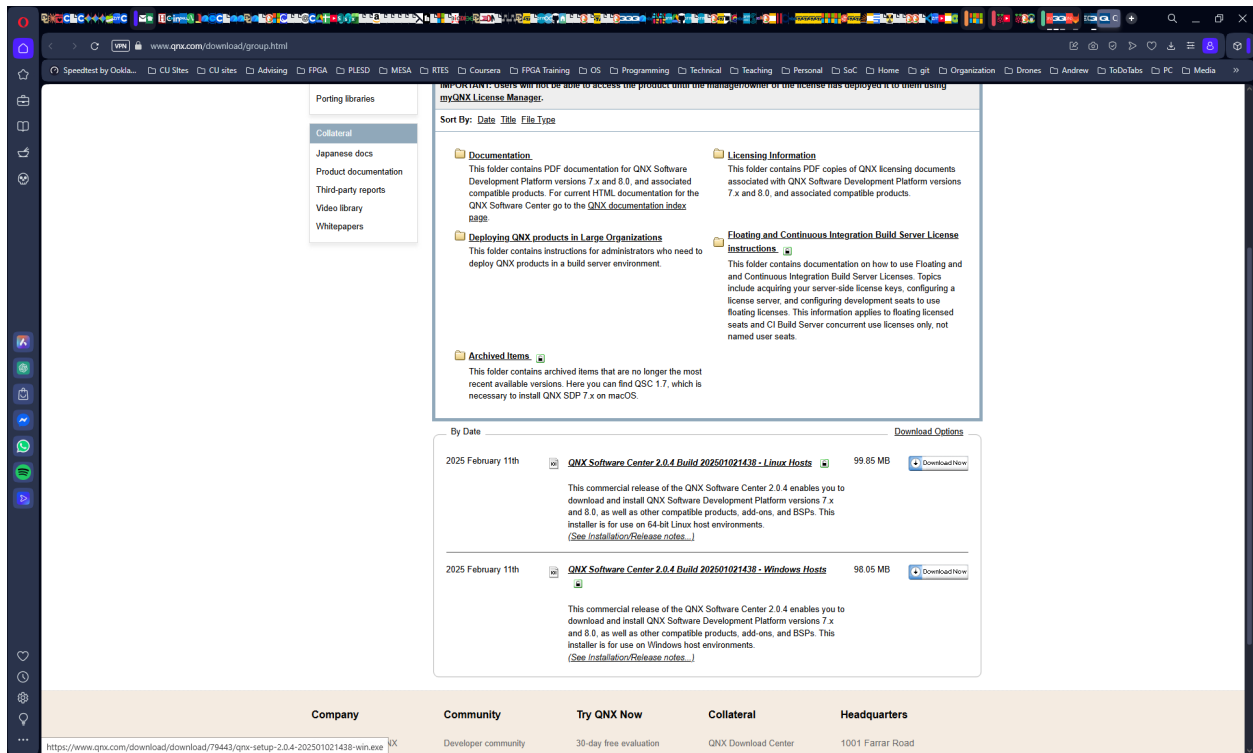


The link in the email should take you to

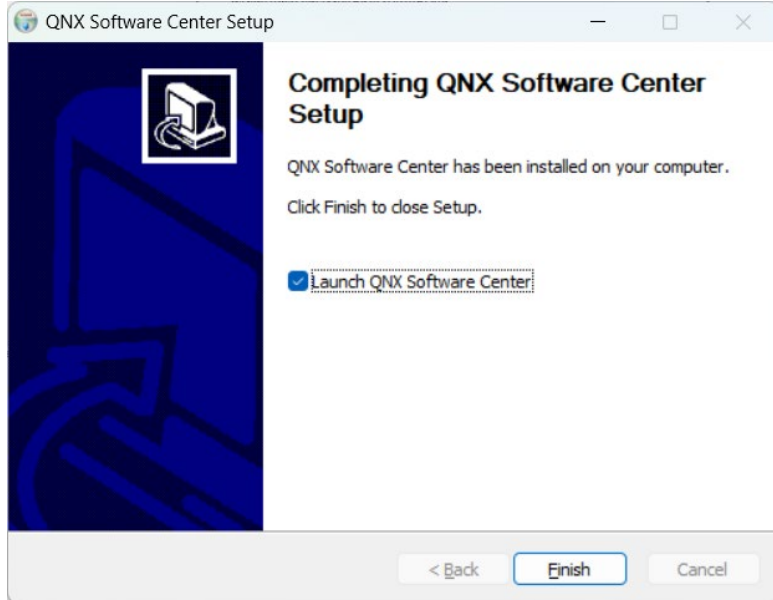
<https://www.qnx.com/download/group.html?programid=29178> to download the software center, which you then use to download the QNX SDP 8.0.

The QNX Software Development Platform (SDP) 8.0 includes:

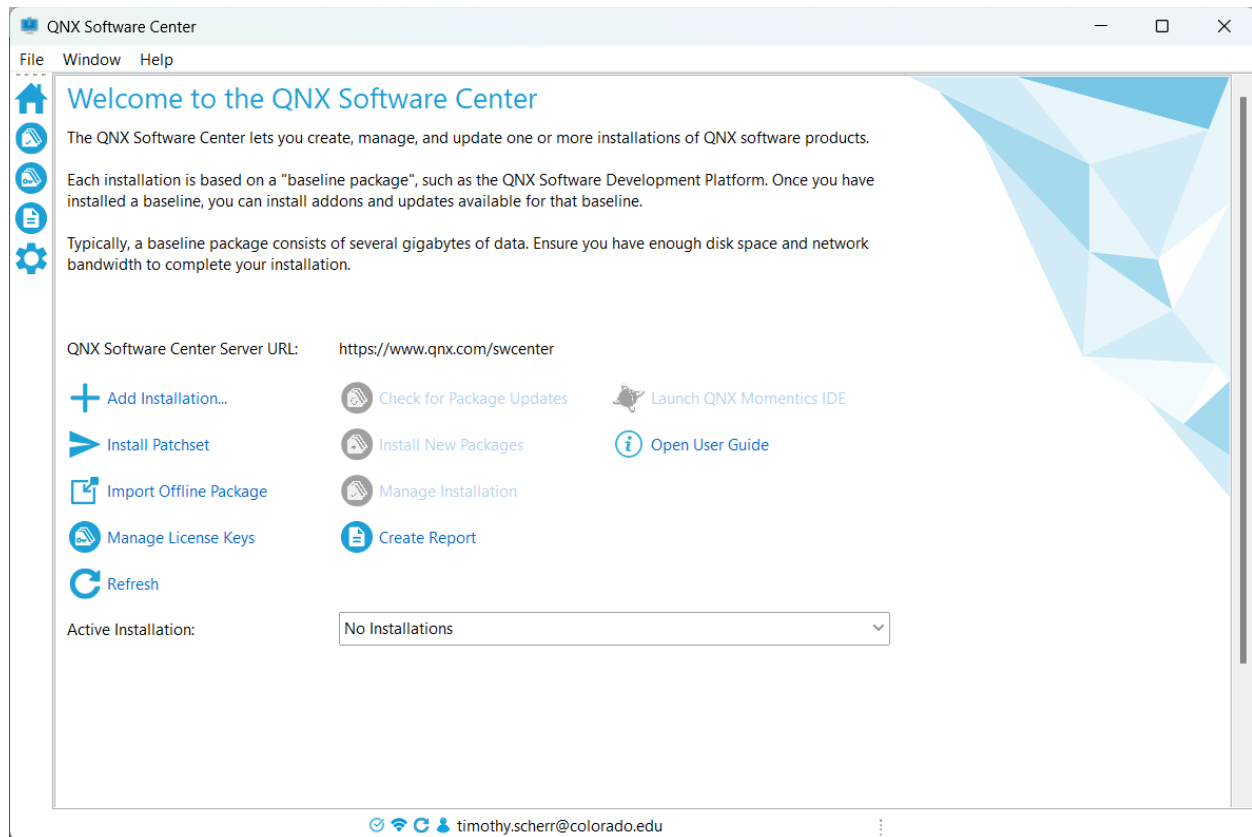
- the QNX OS 8.0, a general-purpose real-time operating system
- the QNX Tool Suite, a set of software development tools
- the QNX Software Center, a centralized software delivery system



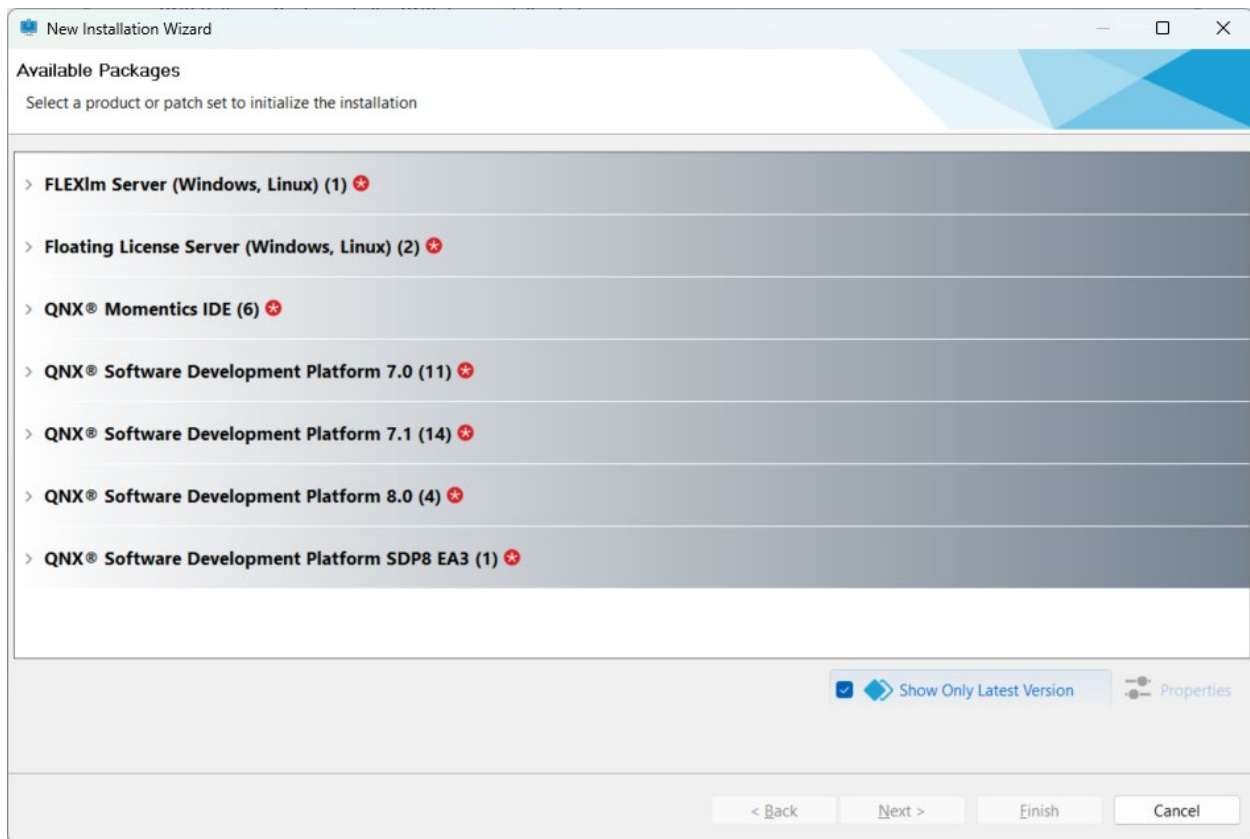
Install to the default directory.



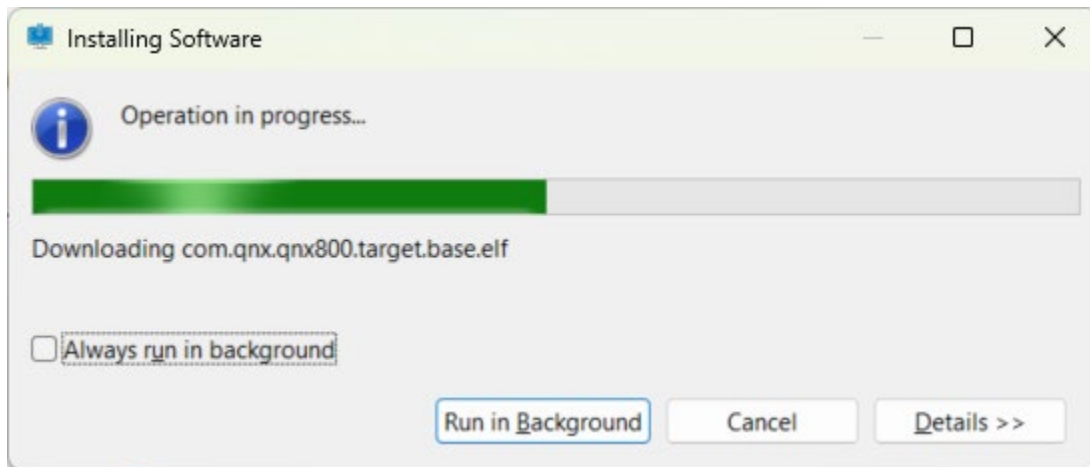
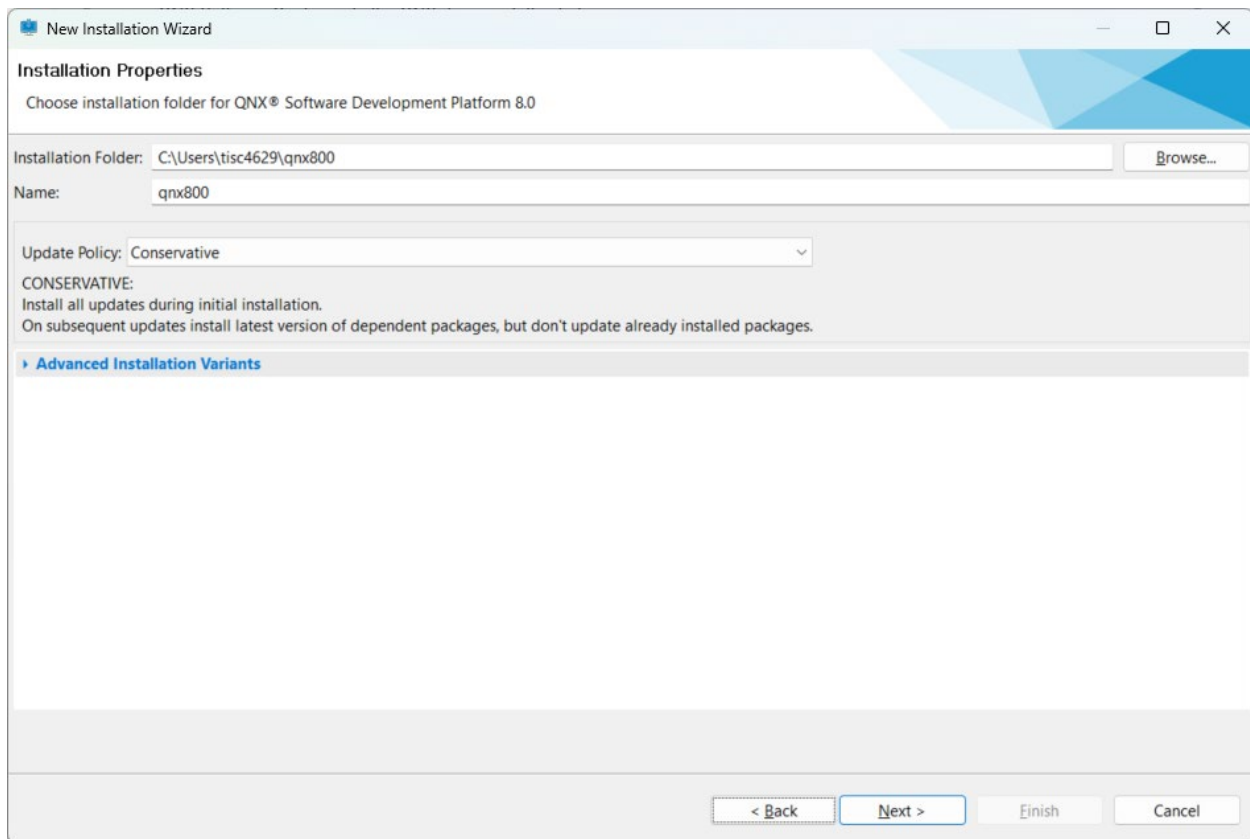
You should see:



Click on Add Installation.



Install 8.0



You should see success!



Operation Complete



Success! Packages installed 205, removed 0, updated 0

Installation: C:\Users\tisc4629\qnx800 - qnx800

Baseline: QNX® Software Development Platform 8.0 Stable (8.0 Build 141)

Package details:

QNX® Software Development Platform 8.0 Stable (8.0 Build 141)

Id: com.qnx.qnx800/8.0.0.00141T202311271501L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

License Supplement Link: <http://www.qnx.com/download/feature.html?programid=51625>

QNX® SDP 8.0 QNX® DEVELOPMENT LICENSE AGREEMENT Stable (0.4 Build 135)

Id: com.qnx.qnx800.eula.qdl/0.4.0.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

SDP Setup Scripts Stable (8.0 Build 135)

Id: com.qnx.qnx800.host.qnxsdps\_env/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

Tools - Condensed File Systems (Windows 64-bit) Stable (8.0 Build 135)

Id: com.qnx.qnx800.host.win.x86\_64.cndfs/8.0.0.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

Tools - mkshadow Utility (Windows 64-bit) Stable (8.0 Build 135)

Id: com.qnx.qnx800.host.win.x86\_64.mkshadow/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

Networking - curl Stable (8.0 Build 135)

Id: com.qnx.qnx800.host.win.x86\_64.net.curl/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

Tools - Binary Security Check Utility (Windows 64-bit) Stable (8.0 Build 135)

Id: com.qnx.qnx800.host.win.x86\_64.qchecksec/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

Utilities - Kernel Dump Server for GDB (Windows 64-bit) Stable (8.0 Build 135)

Id: com.qnx.qnx800.host.win.x86\_64.utils.kdserver/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

QNX® SDP 8.0 libffi Stable (3.2.1 Build 21)

Id: com.qnx.qnx800.osr.libffi/3.2.1.00021T202311191417L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

QNX® SDP 8.0 Core OS\_Screen Stable (8.0 Build 135)

Id: com.qnx.qnx800.target/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

QNX® SDP 8.0 OS Services - Core Stable (8.0 Build 135)

Id: com.qnx.qnx800.target.base/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

QNX® SDP 8.0 OS Services - libcache Stable (8.0 Build 135)

Id: com.qnx.qnx800.target.base.libcache/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

QNX® SDP 8.0 OS Services - libdrv Stable (8.0 Build 443)

Id: com.qnx.qnx800.target.base.libdrv/0.0.1.00443T202311201012L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

QNX® SDP 8.0 OS Services - libelf Stable (8.0 Build 135)

Id: com.qnx.qnx800.target.base.libelf/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

QNX® SDP 8.0 OS Services - Shutdown Stable (8.0 Build 135)

Id: com.qnx.qnx800.target.base.shutdown/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

QNX® SDP 8.0 OS Services - System Launch Manager Stable (8.0 Build 135)

Id: com.qnx.qnx800.target.base.slm/0.0.1.00135T202311191043L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

QNX® SDP 8.0 OS Services - Startup Support Stable (8.0 Build 443)

Id: com.qnx.qnx800.target.base.startup/0.0.1.00443T202311201012L [Properties...](#)

Release Notes: [https://www.qnx.com/developers/articles/rel\\_7063\\_0.html](https://www.qnx.com/developers/articles/rel_7063_0.html)

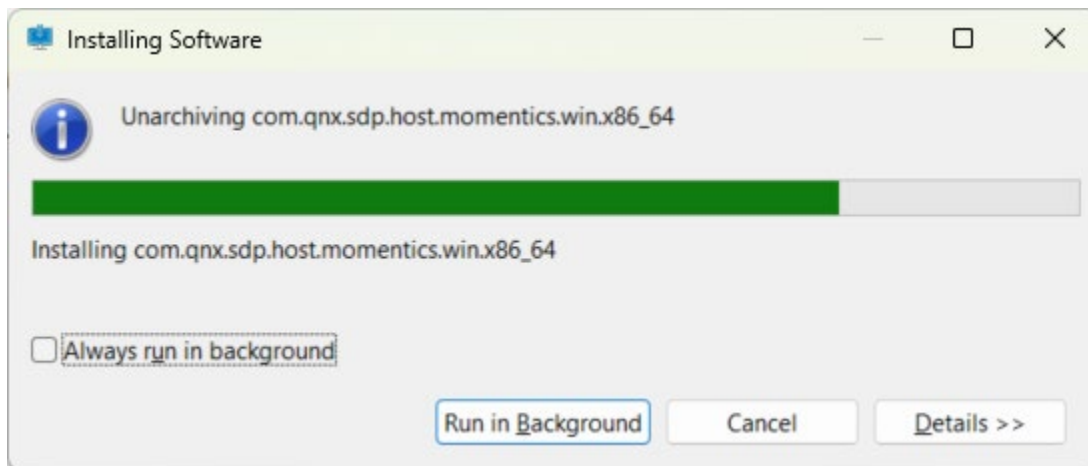
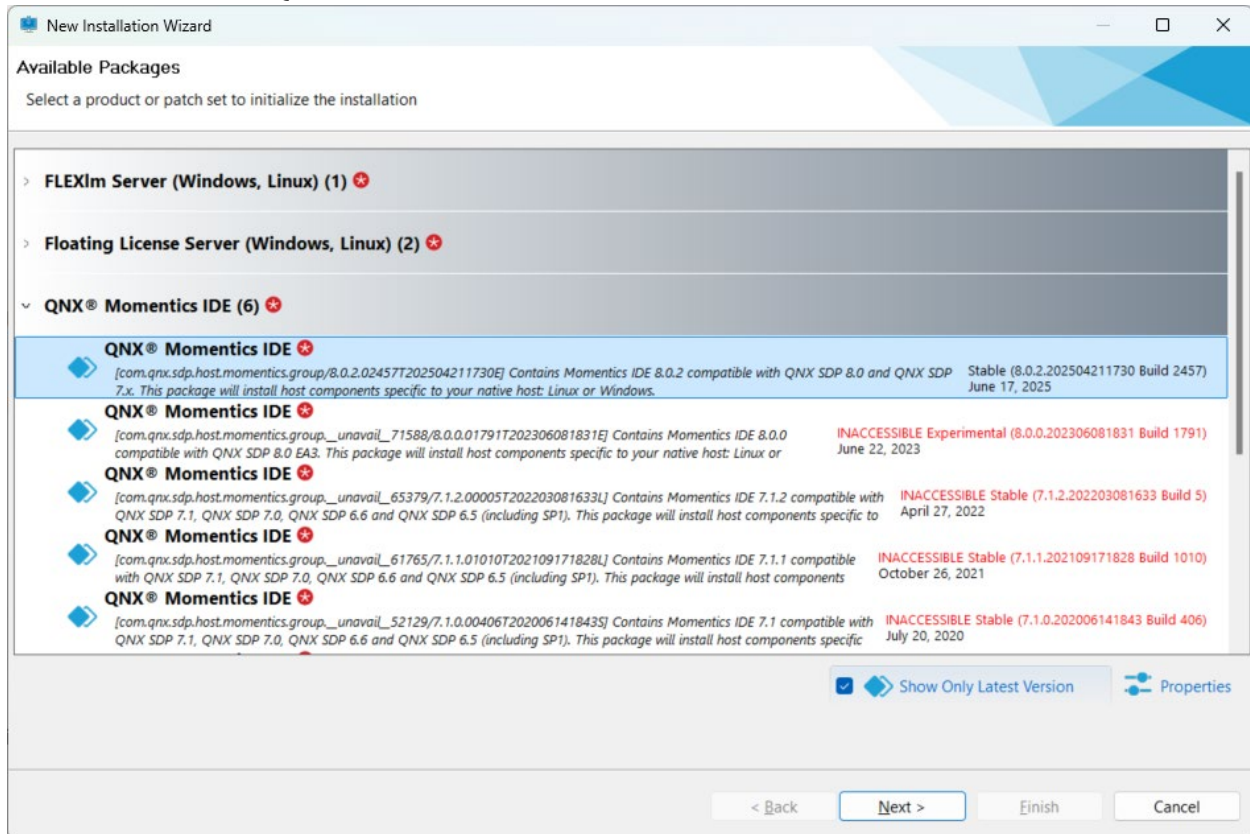
QNX® SDP 8.0 ICU Utilities Stable (8.0 Build 135)

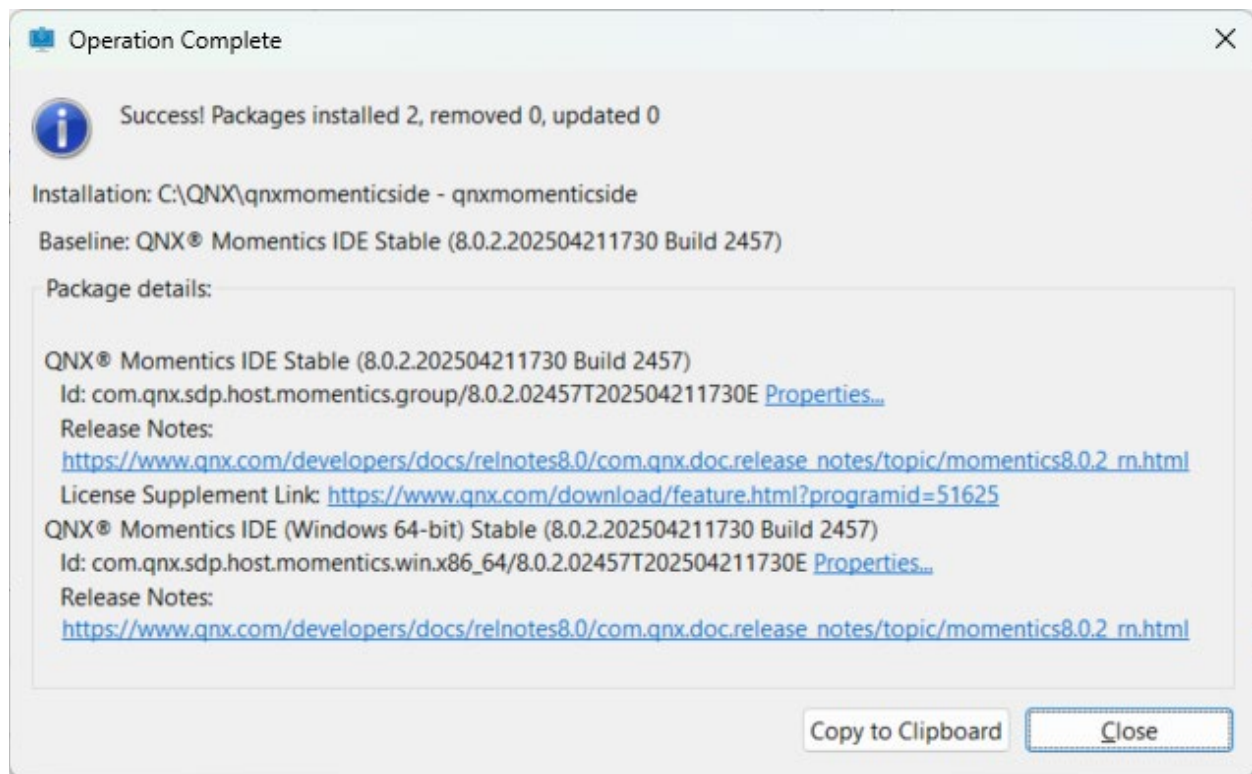
Copy to Clipboard

Close

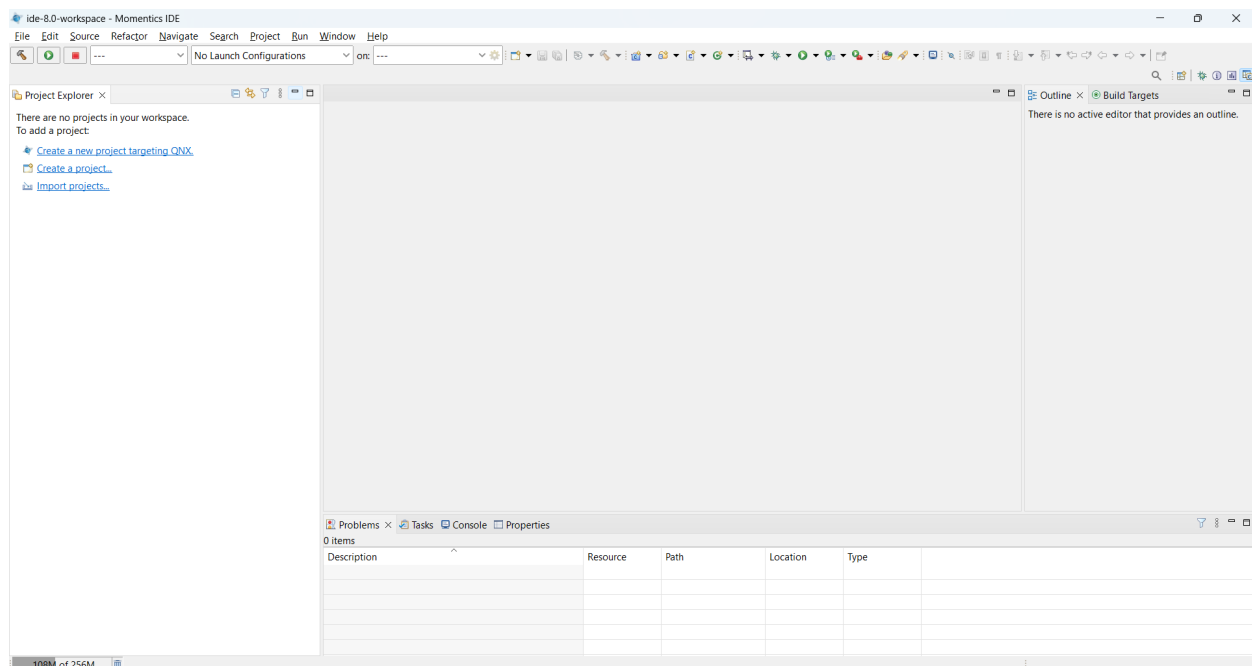


You can see it includes GCC, GDB, and the Microkernel.  
Also download the QNX Momentics IDE:

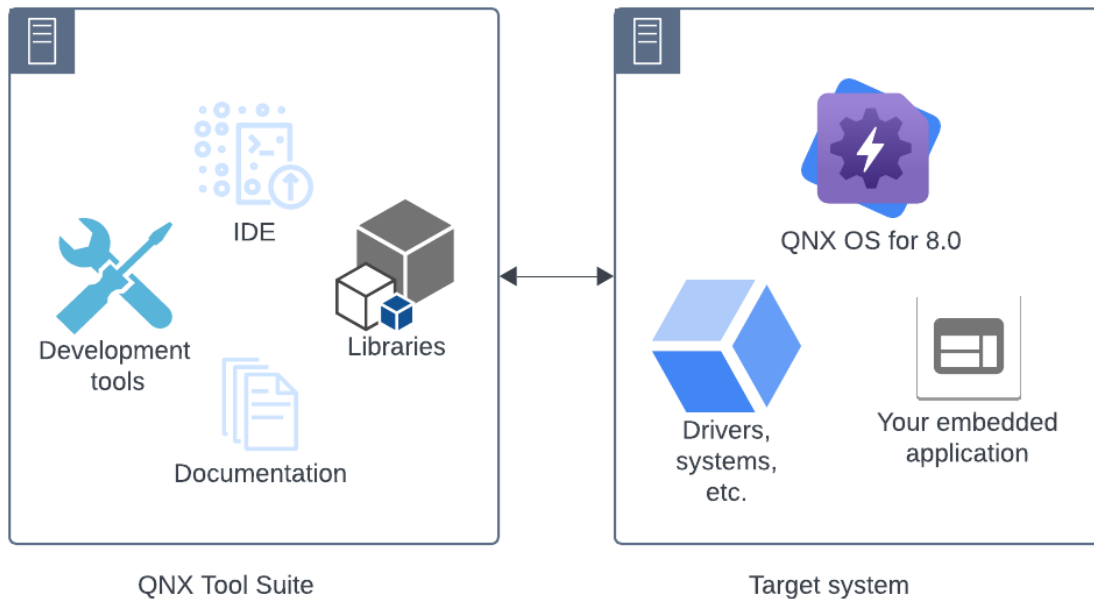




Running Momentics you should see:

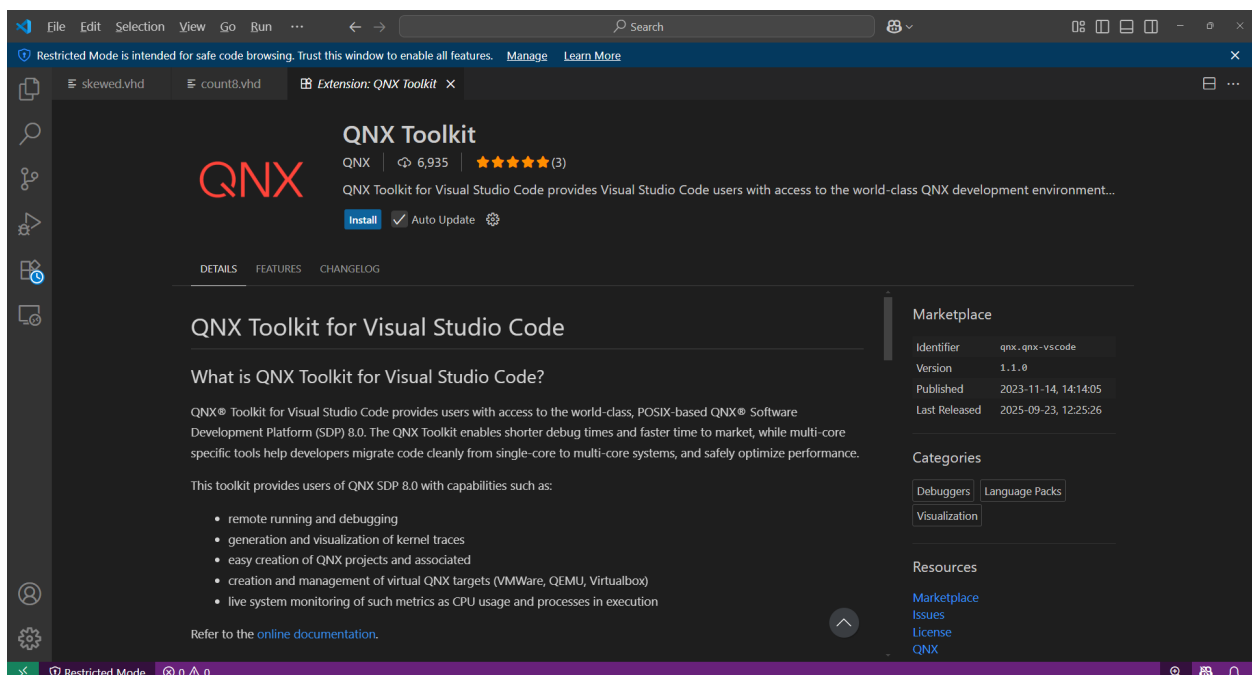


As you can see, this is an Eclipse IDE environment. Alternatively, you can use the QNX Toolkit for Visual Studio Code.

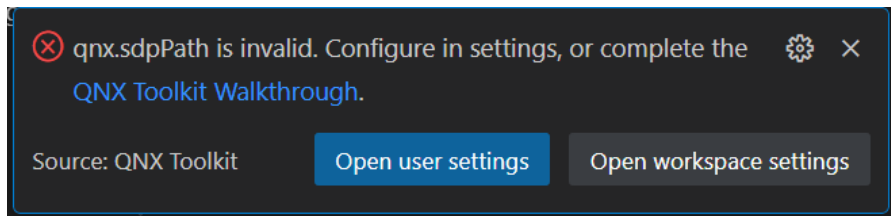


To install the QNX toolkit for Visual Studio Code, see [https://www.qnx.com/developers/docs/8.0/com.qnx.doc.qnxtoolkit.user\\_guide/topic/quickstart\\_guide.html](https://www.qnx.com/developers/docs/8.0/com.qnx.doc.qnxtoolkit.user_guide/topic/quickstart_guide.html)

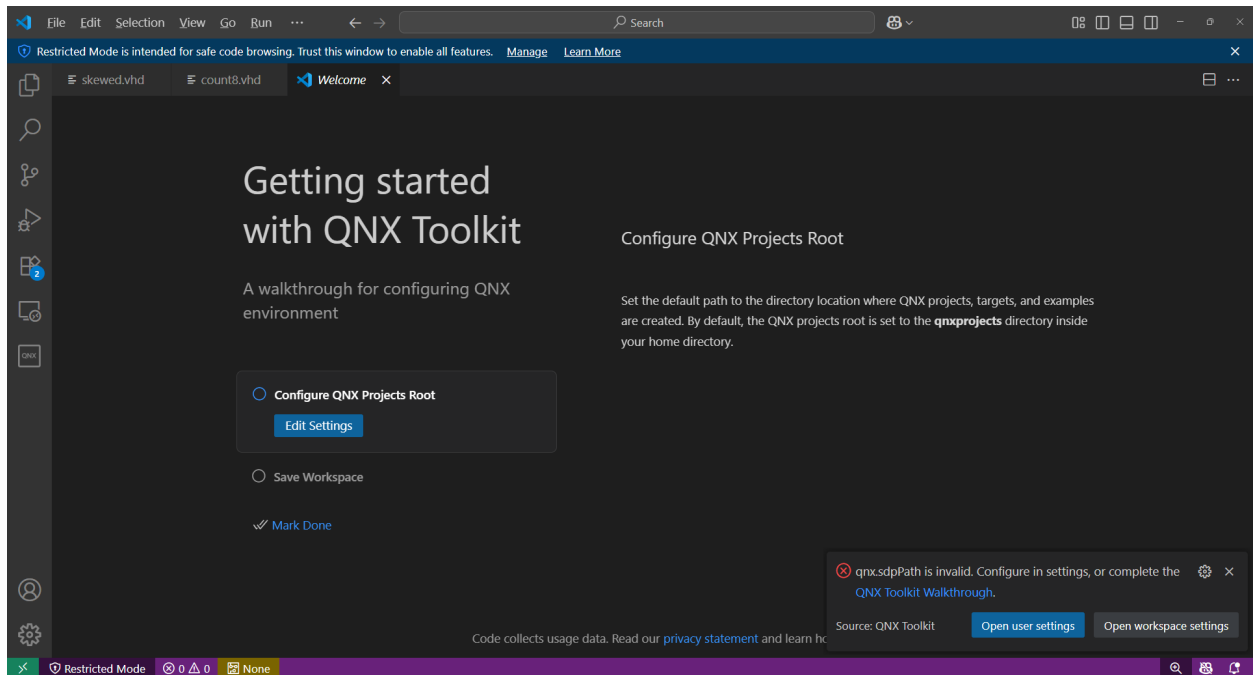
Download the QNX Toolkit from here: <https://marketplace.visualstudio.com/items?qnx.qnx-vscode>



Click on Install. Trust Publisher and Install. Once installed you may see this message:



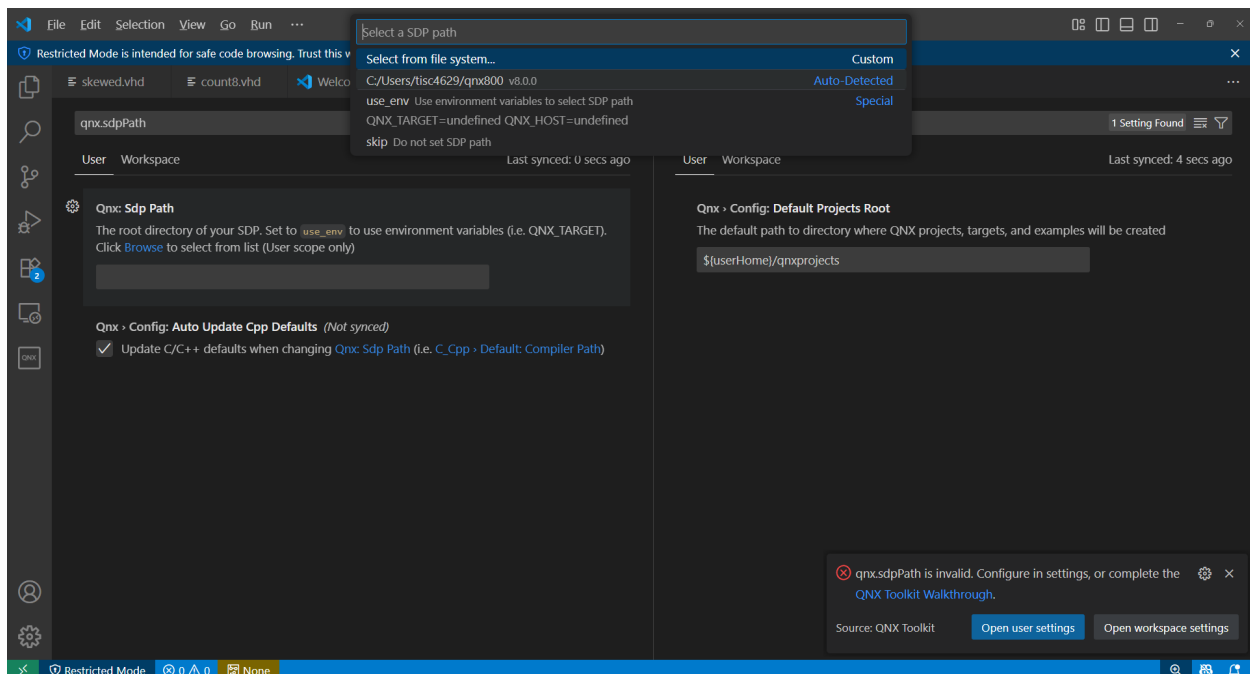
Complete the QNX Toolkit Walkthrough.



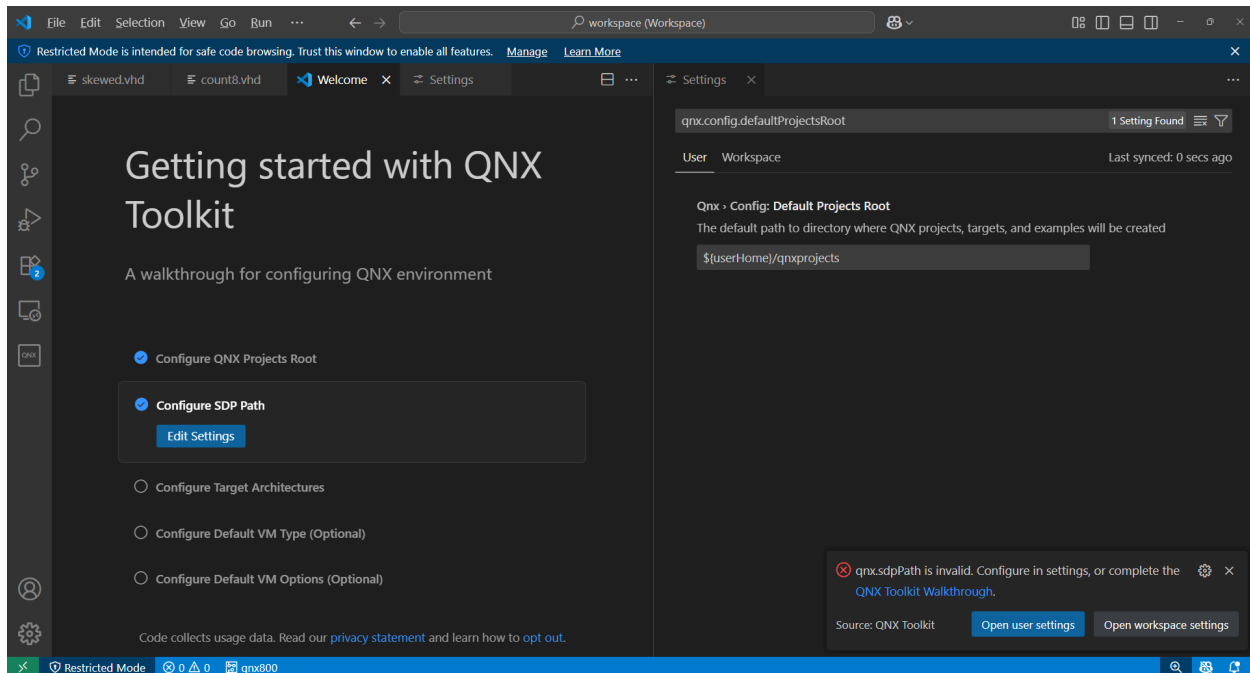
Click Edit Settings, and then Backup and Sync Settings to use the default directory.

I signed in using my CU Microsoft account.

Set up the Sdp Path, use Browse to select from the list:



Install the C/C++ extension.



I selected Create Default Target, Auto-configure QNX Projects, and Generate Example QNX projects.  
Then click Mark Done.

## Documentation

Start with

<https://www.qnx.com/developers/docs/8.0/com.qnx.doc.qnxsdp.nav/topic/bookset.html>

For supported hardware see <https://blackberry.qnx.com/en/developers/board-support-packages>

For the ultimate Guide to RTOSs : <https://blackberry.qnx.com/en/ultimate-guides/what-is-real-time-operating-system>

QNX Toolkit Guide:

[https://www.qnx.com/developers/docs/8.0/com.qnx.doc.qnxtoolkit.user\\_guide/topic/about\\_this\\_guide.html](https://www.qnx.com/developers/docs/8.0/com.qnx.doc.qnxtoolkit.user_guide/topic/about_this_guide.html)