

ModusToolbox™ software installation guide

ModusToolbox™ Setup program version 1.6.0

About this document

[A newer version of this document may be available on the web here.](#)

Scope and purpose

This guide provides instructions for installing ModusToolbox™ software, which is a set of tools that enable you to integrate our devices into your existing development methodology. The guide focuses on the ModusToolbox™ Setup program to install the various packages required. Refer to the [tools package release notes](#) for details about what is included in that package. Refer to earlier revisions of this guide for instructions to install previous versions of ModusToolbox™ tools packages.

References

- [ModusToolbox™ Software website](#)
- Refer to the [tools package quick start guide](#) for brief instructions to start working with the tools.
- You can also refer to the [ModusToolbox™ training available on GitHub](#).
- Refer to the [tools package user guide](#) for detailed descriptions and instructions for all the tools included with the tools package.
- Refer to the [Dashboard user guide](#) for instructions for using that tool.

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1 General information

1 General information

Since the 3.2 release of ModusToolbox™ software, the Setup program provides the easiest method to install the various packages and packs you need to create, build, and debug applications for various Infineon devices. It also helps you manage all these pieces, learn about new packages and install them, and keep them up to date.

- During initial installation, it allows you to select the pieces of ModusToolbox™ software that interest you. This includes platform tools, patches, packs and programming tools.
- During development, it gives you an easy way to track versions and update/install/uninstall content as needed.
- If you attempt to create an application or add a library that requires content not currently installed, the associated tools (including Project Creator and Library Manager) will inform you of the required packages.

This section covers a few general aspects of installing ModusToolbox™ software.

1.1 System requirements

The ModusToolbox™ tools package consumes approximately 2 GB of disk space. Like most modern software, it requires both free disk space and memory to run effectively. We recommend a system configuration with a PassMark CPU score > 2000 (cpubenchmark.net), at least 25 GB of free disk space, and 8 GB of RAM. The product will operate with fewer resources; however, performance may be degraded.

ModusToolbox™ software is supported on the following 64-bit operating systems:

| Host OS | Supported | Recommended (full testing) |
|--------------------------|---|----------------------------|
| Windows | 11 (Windows 10 is no longer supported.) | 11 |
| macOS (Intel® processor) | Sonoma and Sequoia (Intel processors and Arm® processors via Rosetta) | Sequoia |
| macOS (Arm® processor) | Sonoma, Sequoia, and Tahoe (via Rosetta) | Tahoe |
| Linux | Ubuntu 22.04 LTS, 24.04 LTS, 25.04 | 24.04 LTS |

Note: *ModusToolbox™ software is not supported on 32-bit operating systems.*

1 General information

1.2 Prerequisites

The ModusToolbox™ Setup program depends on the Infineon Developer Center Launcher Service. This service is automatically installed by the ModusToolbox™ Setup installer.

On Ubuntu Linux, the Setup program depends on the “sudo” and “apt” utilities to perform the automated installation of the ModusToolbox™ packages. Additionally, the “gnome-terminal” application is used to perform the interactive uninstallation of the packages and self-update of the tool. These are standard tools provided in Linux.

On macOS, the Setup program depends on the “sudo” and “Installer” utilities to perform the automated installation of the packages. Additionally, “osascript” utility is used to perform the uninstallation. These utilities are provided as part of default macOS installation.

1.3 Internet access

In order to use the ModusToolbox™ Setup program installer, you will need access to the Infineon website to download it: <https://softwaretools.infineon.com/tools/com.ifx.tb.tool.modustoolboxsetup>

If you do not have access, work with your IT department to download on your machine or have the software placed on a local server or a thumb drive. See also [Installing with firewall or lack of web access](#) later in this document.

1.4 Spaces or illegal characters in home directory

Because the ModusToolbox™ build system is based on GCC make, you cannot have spaces or illegal characters in your home directory name. Various commands will fail. If you have such a home directory, you need to follow instructions described in [Installing using non-silent option](#).

1.5 Python

Several types of ModusToolbox™ applications require Python such as those including MCUBoot, CySecureTools, and OPTIGA™ Trust M. Python is not included in the ModusToolbox™ tools package. Refer to [KBA239118](#) for information about downloading and installing Python.

1.6 SEGGER J-Link

If you plan to use the SEGGER J-link debugger, you must download and install the appropriate software pack for your OS. It is not included with the ModusToolbox™ tools package. Use version 6.98 or later. For Linux, if you install this using the tar.gz file, make sure you install J-Link in a common location. Otherwise, you must configure the Eclipse IDE to specify the location, as follows:

Window > Preferences > MCU > Global SEGGER J-Link Path

- **Executable:** *JLinkGDBServerCLExe*
- **Folder:** *<J-Link_extracted_location>*

2 Installation instructions

2 Installation instructions

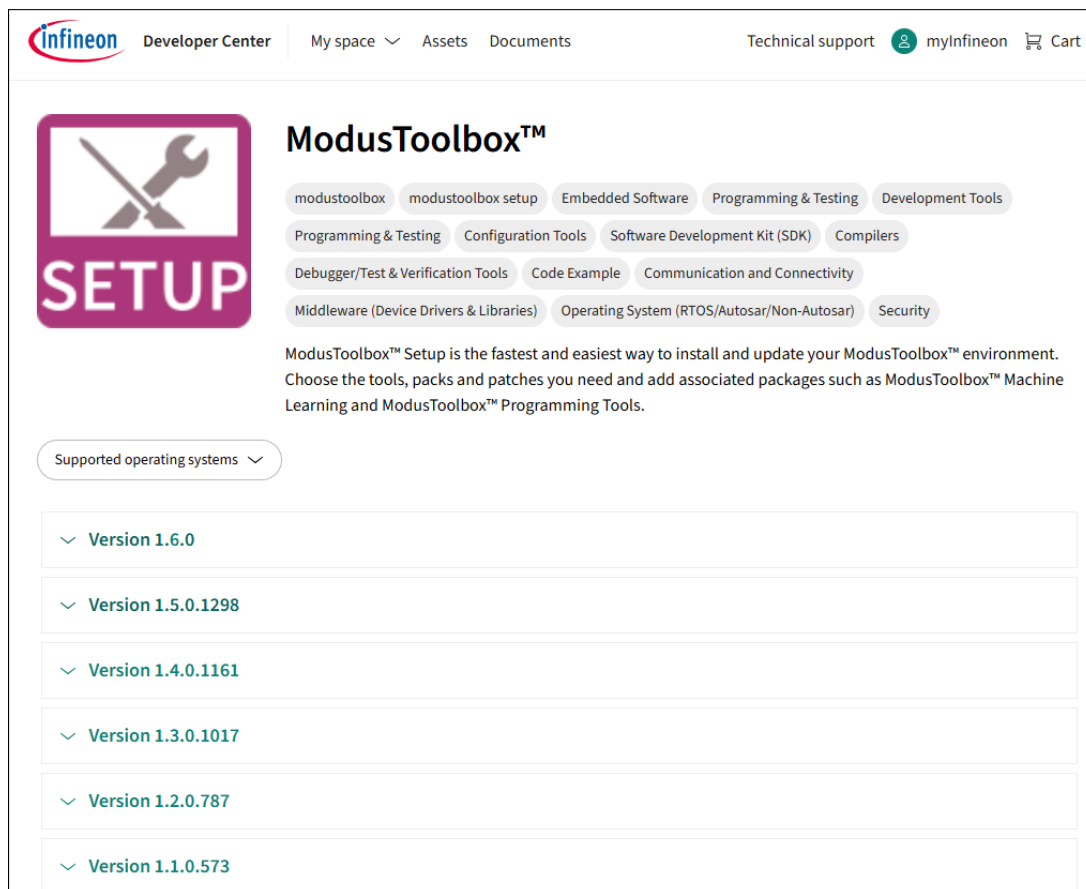
The easiest way to install ModusToolbox™ software is to use the ModusToolbox™ Setup program. After you install it, you need to launch Setup program to view and select various ModusToolbox™ packages to install. As packages are updated to new versions over time, you can then use the Setup program to update your system, and the Setup program will even check to update itself. This section contains the following steps:

- [Downloading the Setup program](#)
- [Installing the Setup program](#)
- [Launching the Setup program](#)
- [Installing the minimum required software packages](#)
- [Installing packs](#)

Note: The Setup program version is separate from the versions of the tools packages and various other packages. Each different program and package will likely be updated at different times instead of all at the same time.

2.1 Downloading the Setup program

The Setup program is available from the Infineon website: <https://softwaretools.infineon.com/tools/com.ifx.tb.tool.modustoolboxsetup>



Select your operating system and click the **Download** button.

Note: In some cases, you may see an *Install via Launcher* button. If so, ignore it and use the **Download** option.

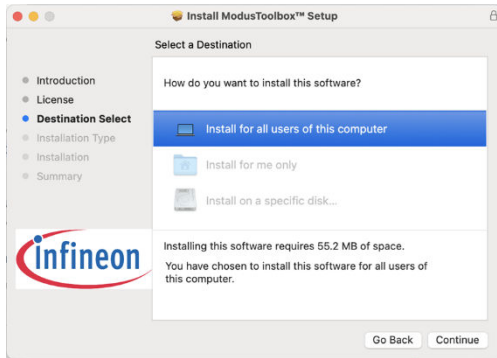
2 Installation instructions

2.2 Installing the Setup program

When the download completes, follow the instructions for your operating system.

macOS

On macOS, launch the installer and follow the wizard. The default is to install for all users in *Applications*.



Linux

On Linux, open a terminal and run `sudo apt install <package-name>.deb`. The Debian package doesn't provide a user option and installs for all users in */opt/Tools*.

Note:

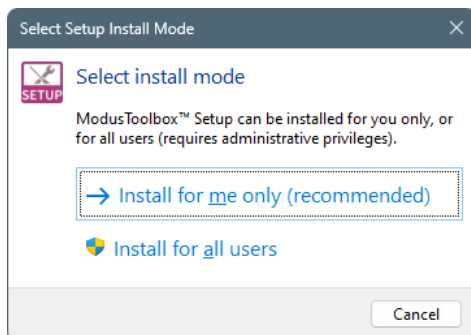
If you see a message similar to this:

"N: Download is performed unsandboxed as root as file '/home/{username}/Downloads/ModusToolboxSetupInstaller_1.X.Y.Z_linux_x64.deb' couldn't be accessed by user '_apt'. - pkgAcquire::Run (13: Permission denied)",

Simply disregard it, as this message is not an error, but a notice informing you that 'apt' tool accesses the package file under the "root" user instead of "_apt" user having restricted rights. This does not affect the installation process of the tool.

Windows

On Windows, launch the installer, and select **Install for me only (recommended)** in most cases.



2 Installation instructions

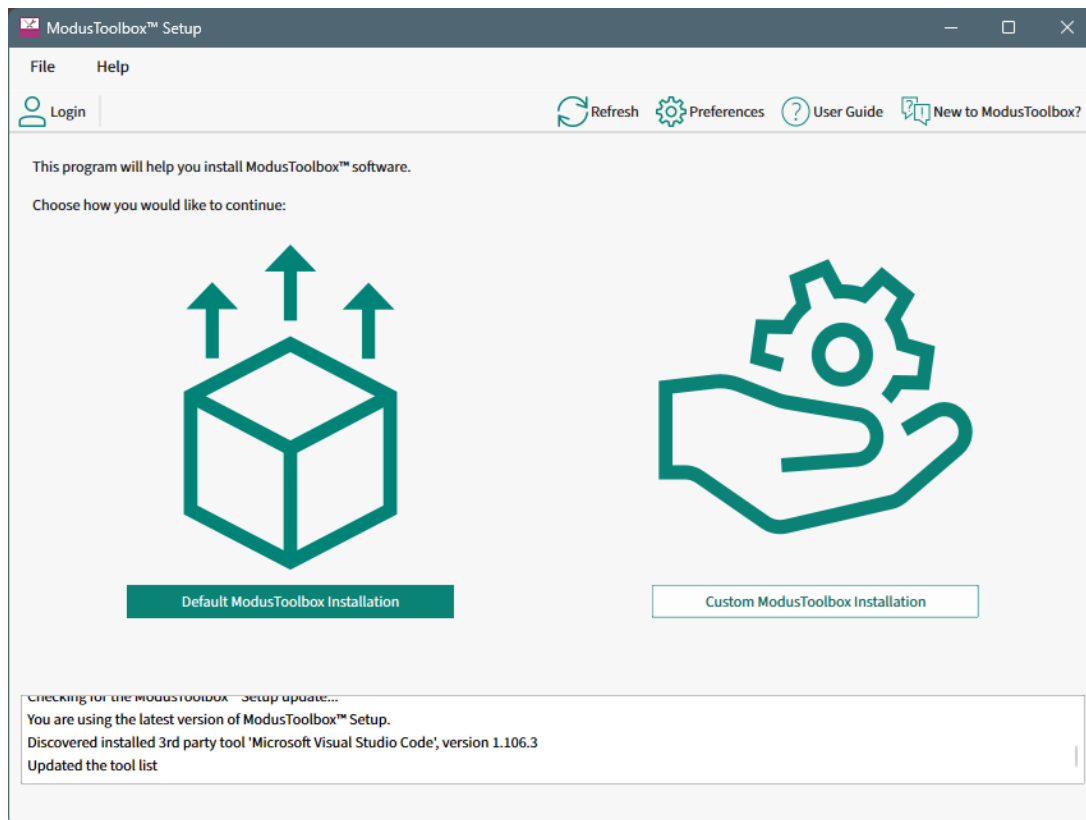
2.3 Launching the Setup program

Initial installation

On the final screen of the installer, there will be an option to launch the Setup program and to open the release notes. If you select the options, they will open automatically when you click **Finish**. If you choose to launch the Setup program later, you can do so as applicable for your operating system.

If you do not have any ModusToolbox™ tools package installed, the Setup program opens showing you two options:

- **Default** – Selects all the newest minimum required packages.
- **Custom** – Allows you to select the packages you want.



Subsequent uses

After you have installed a ModusToolbox™ tools package, the Setup program will open showing you what is installed, as well as any other packages that are available. Refer to the [Setup program GUI description](#) section for more details.

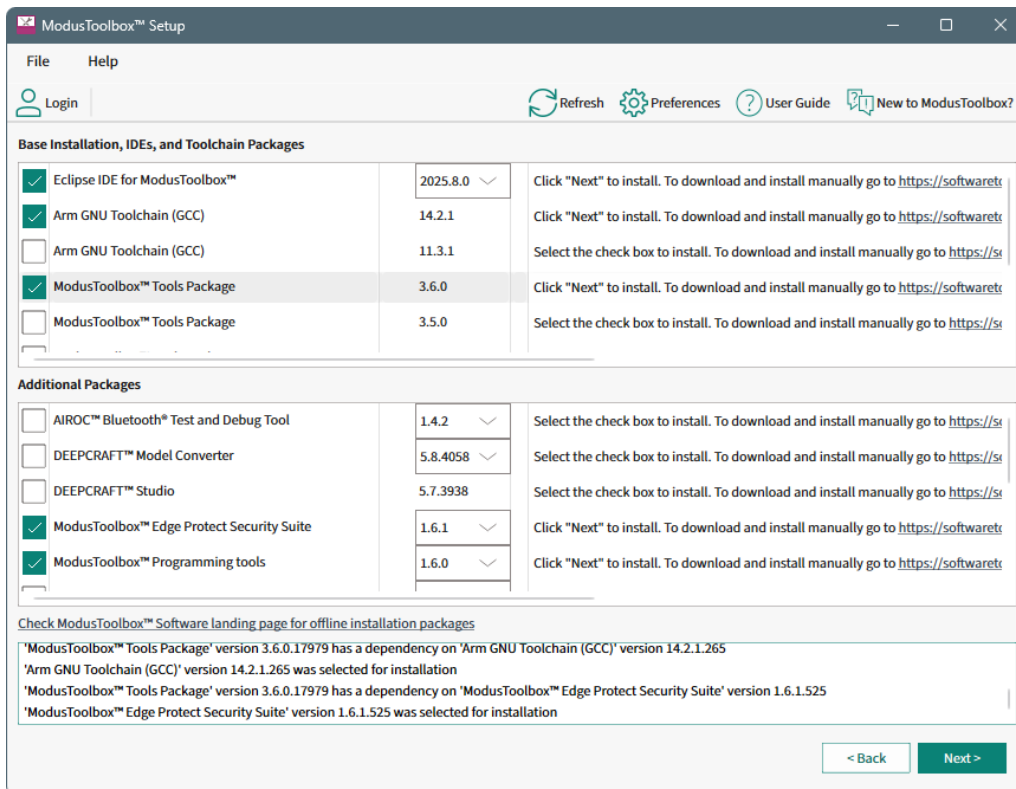
Also after installing, you can also launch the Setup program from the Dashboard, as well as from various tools such as Project Creator or Library Manager if they prompt you when your application does not have a required asset.

2 Installation instructions

2.4 Installing the minimum required software packages

To install the minimum required software:

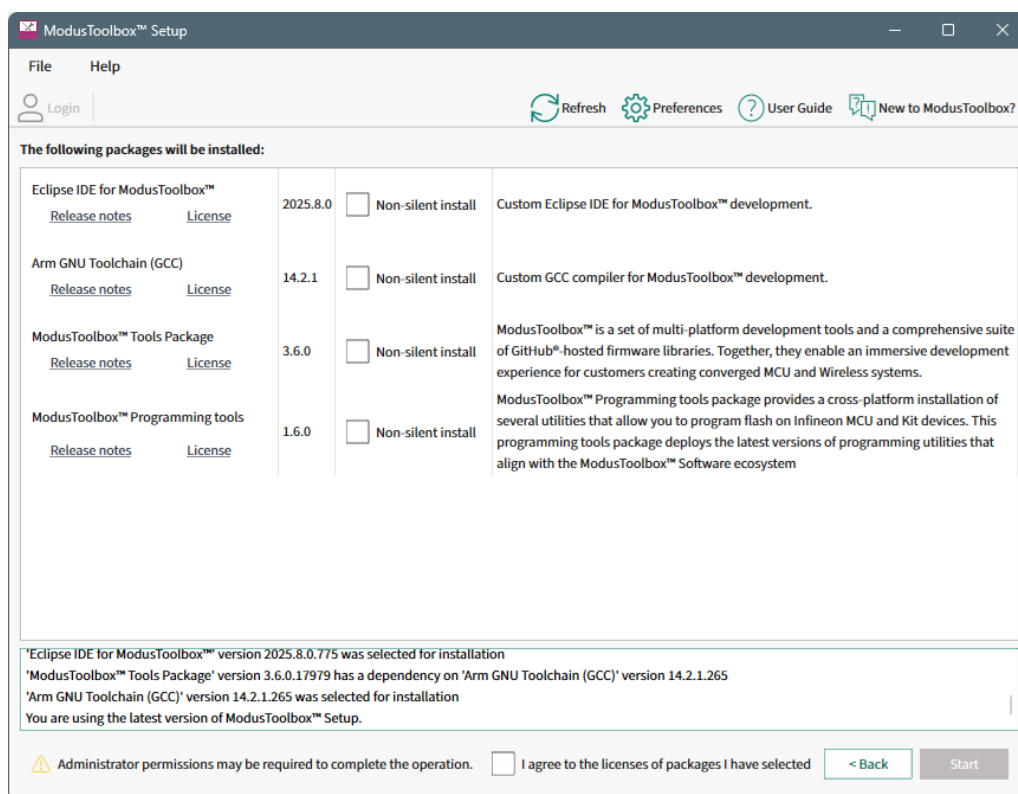
1. Click the **Default** option if it is available. This will select the latest versions of these packages automatically (as shown in Step 3):
 - Eclipse, unless the Setup program detects that VS Code is installed. If so, Eclipse is not selected.
 - GCC
 - Tools package
 - Edge Protect Security Suite
 - Programming tools
2. If the **Default** option is not available, or if you want to choose other the packages using the **Custom** option, select the tools package version you want to install. This will also select the dependencies as described in Step 1.



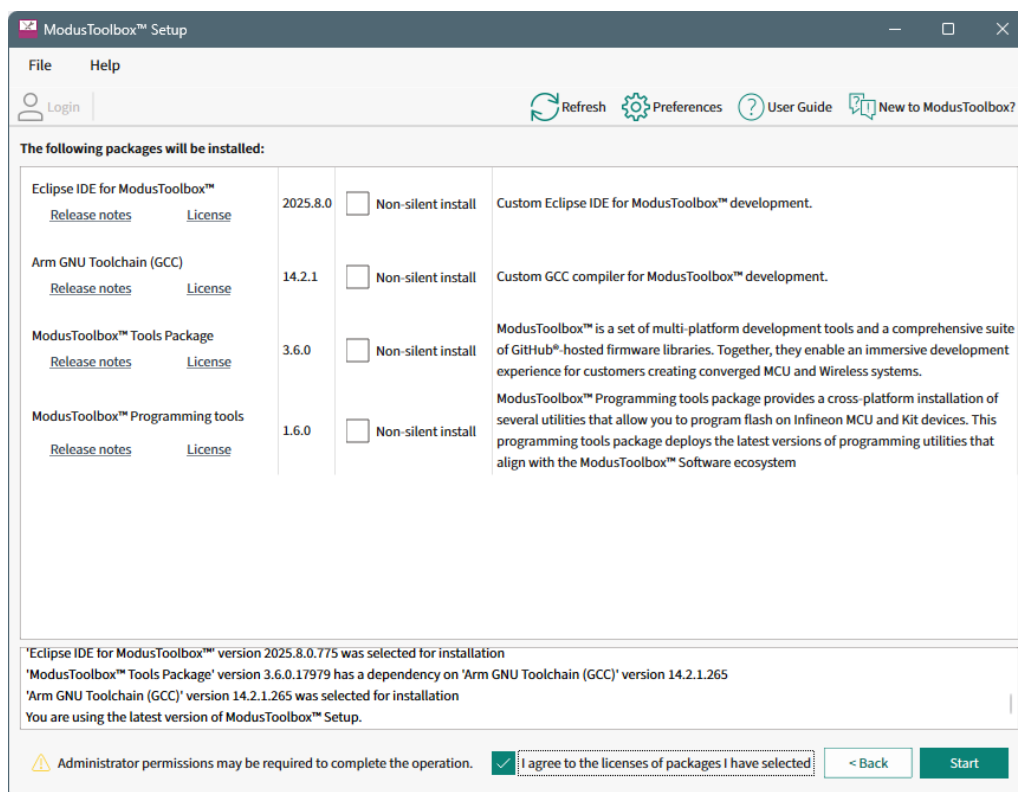
Note: Earlier releases of the ModusToolbox™ tools package included Eclipse and GCC. They are now separate installable packages.

3. Click **Next >**.
 This screen shows the packages that will be installed, with links to the release notes and license for each package. We recommend using the default installation option. See [Installing using non-silent option](#) if you need to install in a non-default location.

2 Installation instructions



4. Select the **I agree to the licenses ...** check box and click **Start**.

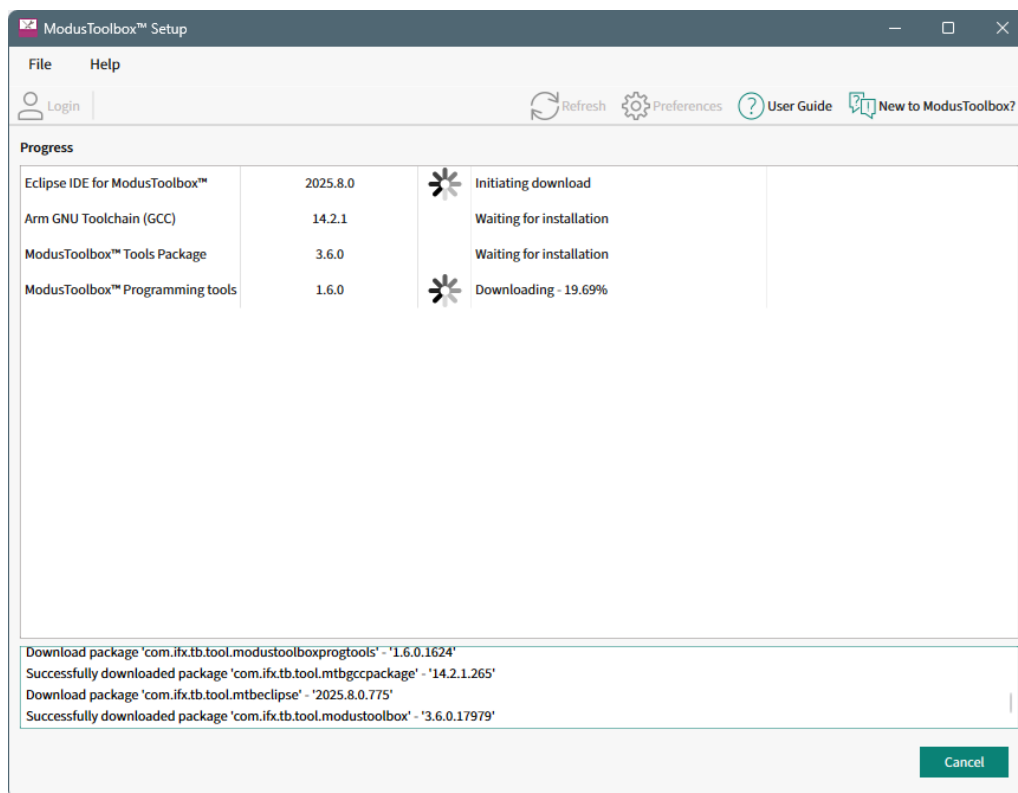


The Setup program will download and install the selected packages.

Note: *Installing Programming tools and some other packages may require an Administrator user name and password to proceed.*

2 Installation instructions

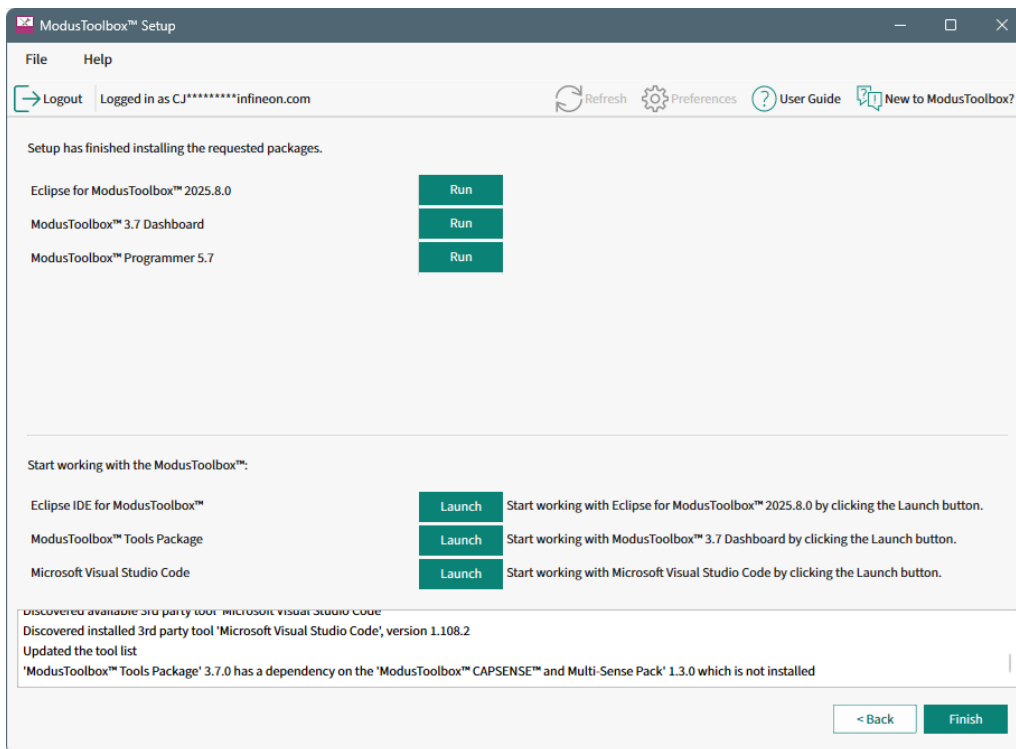
Note: On Windows, if you need to install the tools package in a non-default location, see [Installing using non-silent option](#).



Note: Clicking the **Cancel** button will not affect install operations that have already started; only pending install operations will be stopped.

- When all packages are installed, the Setup program shows options to run various tools. Click **Run** for the tools you wish to start.

2 Installation instructions



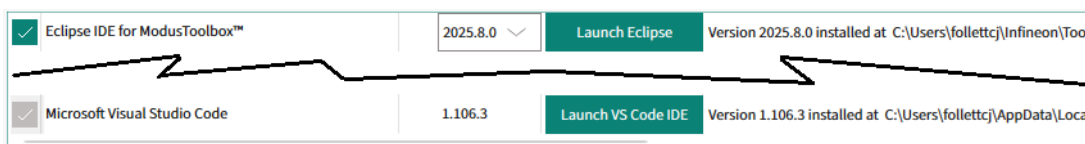
6. Click **Back** to return to the select packages window. **Finish** or click **File > Exit** to close the Setup program.

2.5 Installing IDEs

You can use the Setup program to install the Eclipse IDE as a separate package. Just select it from the list.

You can also use the Setup program to download Microsoft Visual Studio Code to install it separately. Click on the *Download MS VS Code* link. In the opened browser window, download the installation package suitable for your system and install it manually following platform-specific guides on <https://code.visualstudio.com/docs/setup/setup-overview>. On Ubuntu Linux, the recommended packages are "deb" or "snap". On macOS, download and extract the .zip archive content and drag "Visual Studio Code.app" to the Applications folder. After the installation is complete, return to the ModusToolbox™ Setup window and click the **Refresh** button to update the UI.

Once either IDE is installed, the Setup program provides a button to launch it.



2.6 Installing packs

After installing the minimum required software packages, you are ready to begin developing your application using the ModusToolbox™ ecosystem. Our devices and software support multiple technologies. Review these webpages to learn more. You can use the Setup program to install additional packs as needed.

- [Machine Learning](#)
- [Connectivity](#)
- [Industrial](#)
- [Security](#)

2 Installation instructions

Refer also to the [tools package user guide](#) for a complete description of the ModusToolbox™ ecosystem, information about the build system, manifest, and BSPs, as well as instructions about how to get started creating and building an application.

There are two kinds of packs:

- Technology packs - long term packs that provide extended technology software and tools as noted above.
- Early access packs - short term packs to provide selected customers access to newer devices and technology that is still being developed.

2.6.1 Installing technology packs

To install a particular technology pack, you can just select it in the Setup program. There are no special requirements to install and use these types of packs, other than having the base tools package and dependencies already installed.

2.6.2 Installing early access packs

To install an early access pack, you must be given access. This may include signing a non-disclosure agreement (NDA). Once you have permission, you will be able to see available early access packs when you log in to the Setup program. Then, you can select it and download/install it the same as any pack or package.

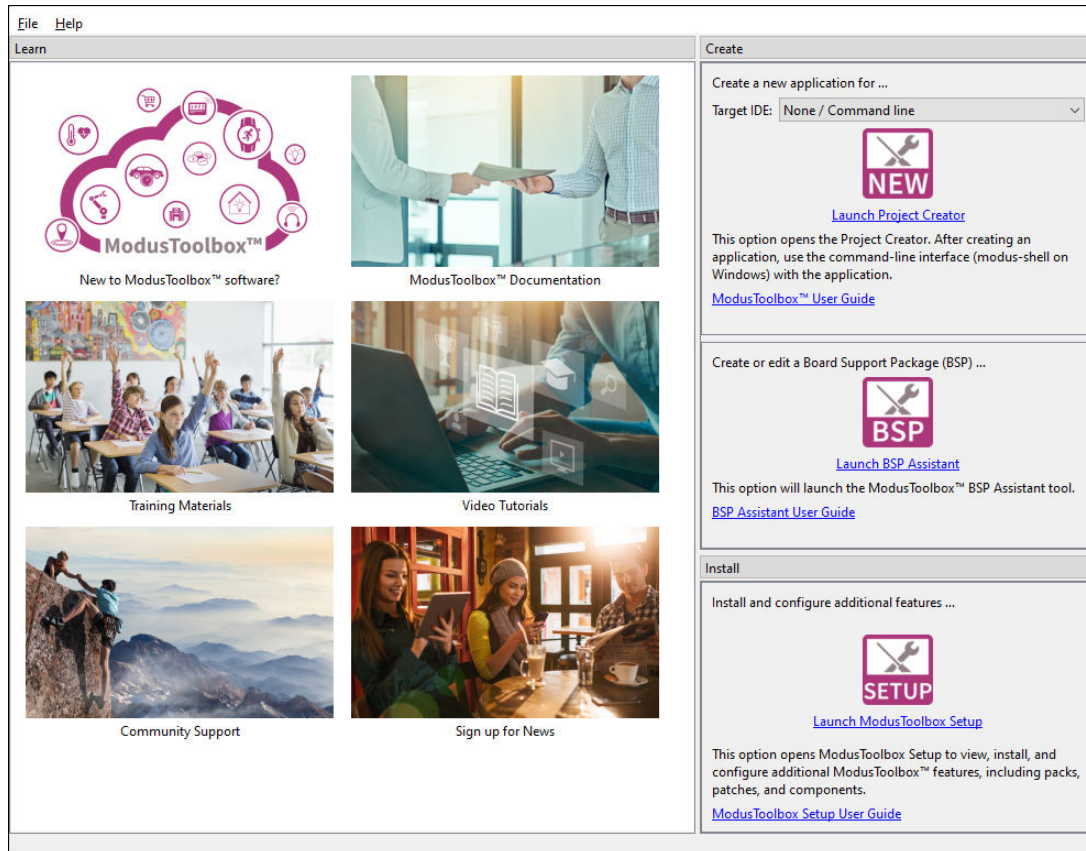
In order to use an early access pack, you must enable it using the Settings tool. Refer to the [Settings tool user guide](#) for details about that tool.

2 Installation instructions

2.7 Run the Dashboard (optional)

The ModusToolbox™ tools package includes an optional Dashboard tool. To run the Dashboard select the option on the final page of the Setup program after installation has complete. You can also run the Dashboard as follows:

- **Windows:** Select the "dashboard" item from the Windows **Start** menu.
- **Linux:** Navigate to `/<install-path>/ModusToolbox/tools_<version>/dashboard` and run the executable.
- **macOS:** Run the "dashboard" app.



The Dashboard provides links to various sources of documentation and training materials. It also contains starting points: create a new application, create/edit a BSP, install or launch the ModusToolbox™ Setup program. For more details, refer to the [Dashboard user guide](#).

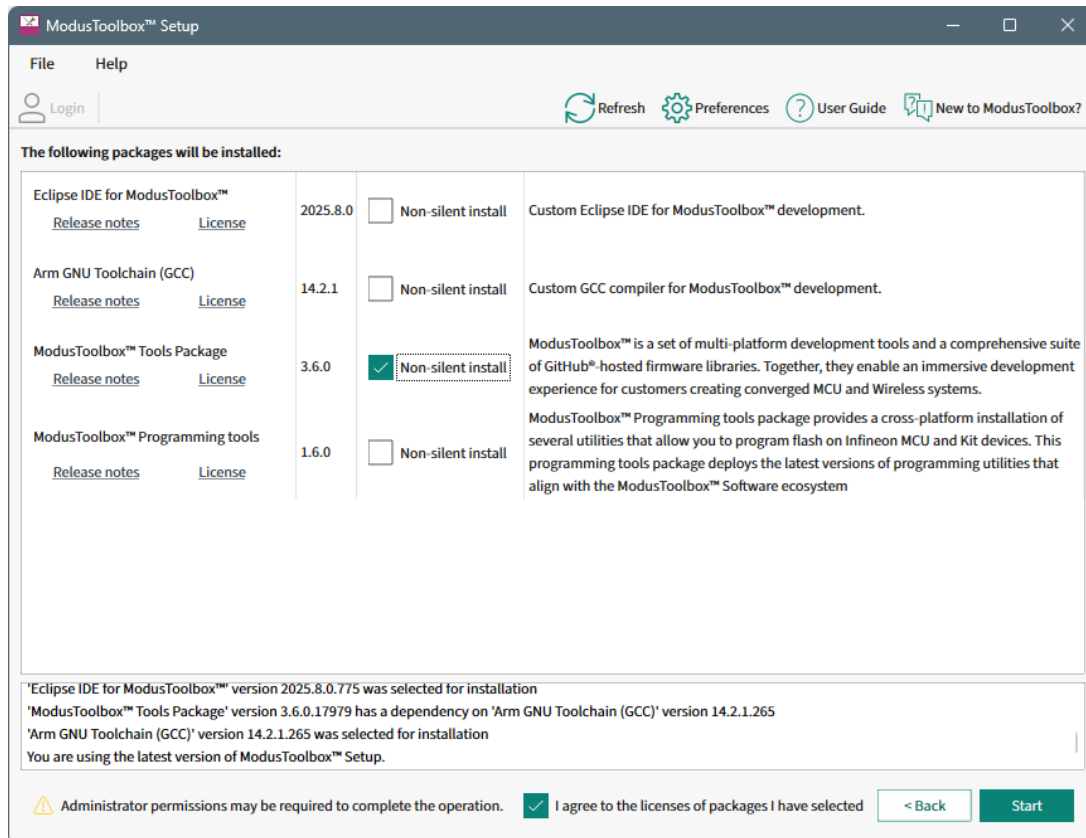
3 Advanced installation instructions

3 Advanced installation instructions

These sections contain additional instructions for various cases.

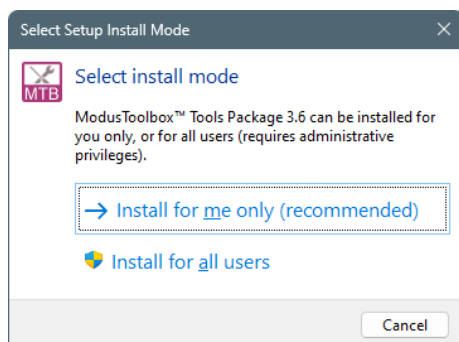
3.1 Installing using non-silent option

The base tools package installs in your home directory on Windows by default. If your user home directory contains spaces or illegal characters, or if you need to install for all users, you will need to select the **Non-silent install** option on the installer page of the Setup program.



If possible, create a new user account and user home directory that doesn't contain spaces or illegal characters. Then, you can just use the default process for that account. If you cannot create a new user home directory, then you must perform some extra installation steps.

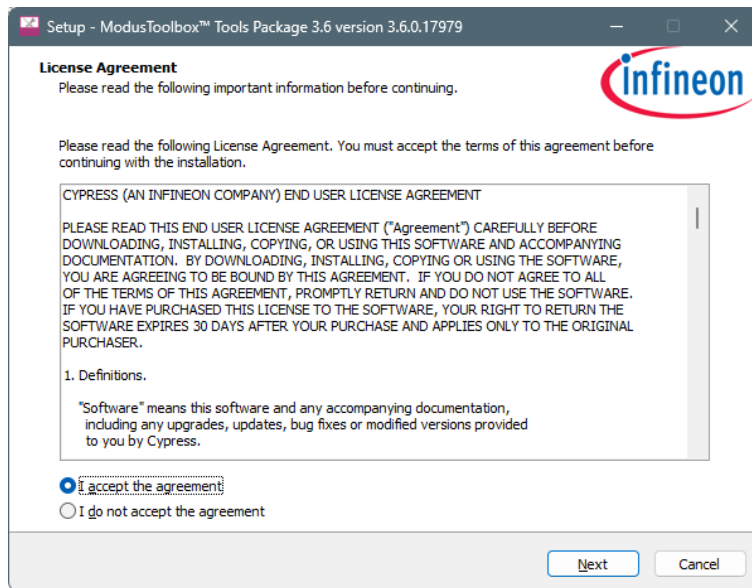
When the Setup program begins to install the tools package, it will revert to the package installer program.



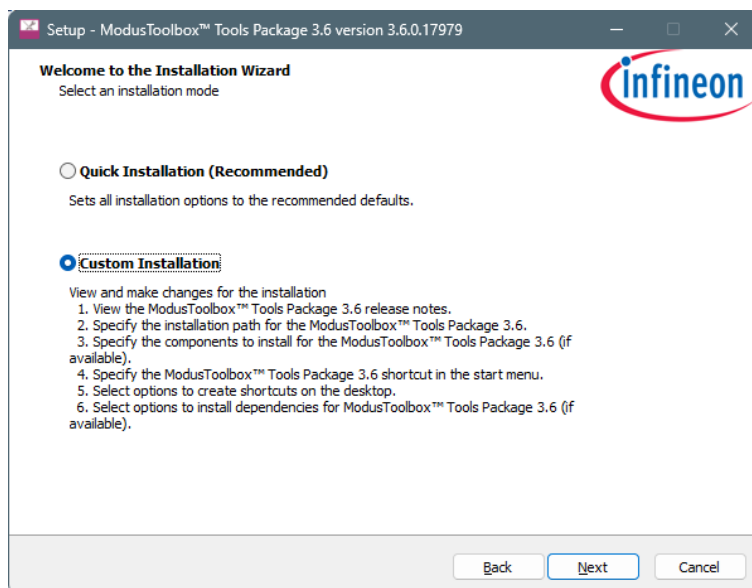
We recommend to install for the current user, but if you need to install for all users, then Admin permission will be required. Follow the instructions in this section to proceed.

Accept the license agreement and click **Next**.

3 Advanced installation instructions

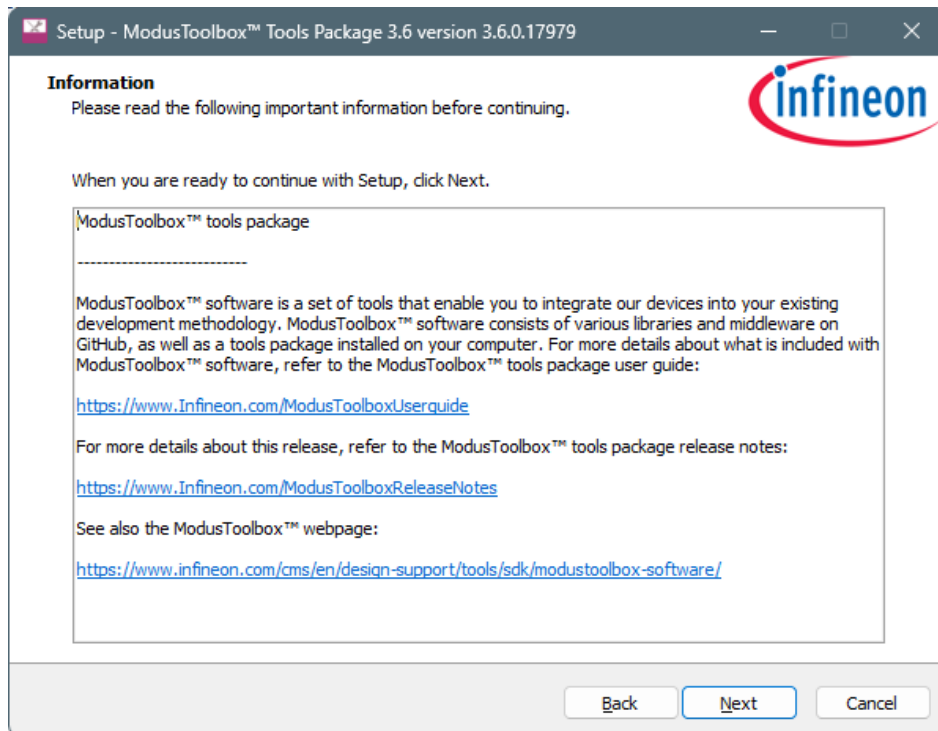


Choose the **Custom Installation** option, and click **Next**.

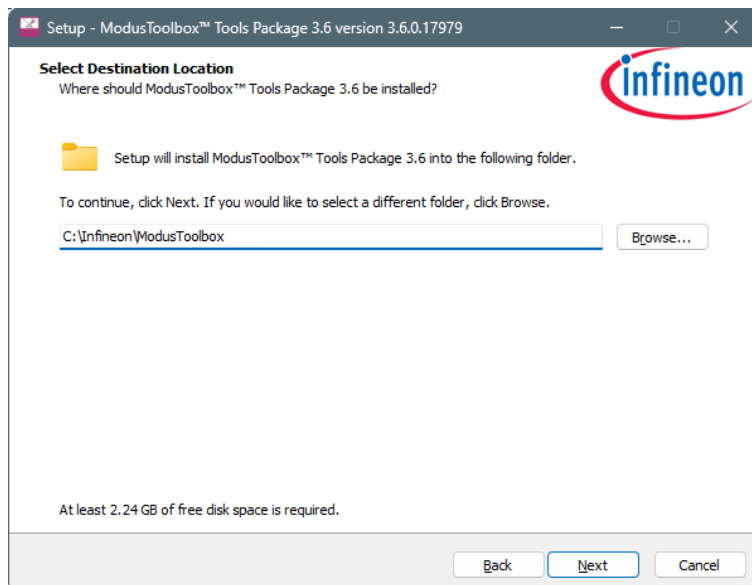


Review the user guide, release notes, and other information on Infineon.com, as needed, and click **Next**.

3 Advanced installation instructions



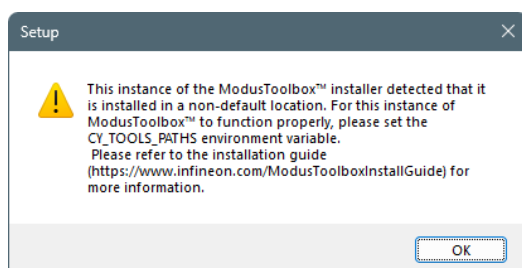
On this next screen, specify the location to install the tools package.



Specify a path that does not include spaces. For example: *C:\Infineon\ModusToolbox*

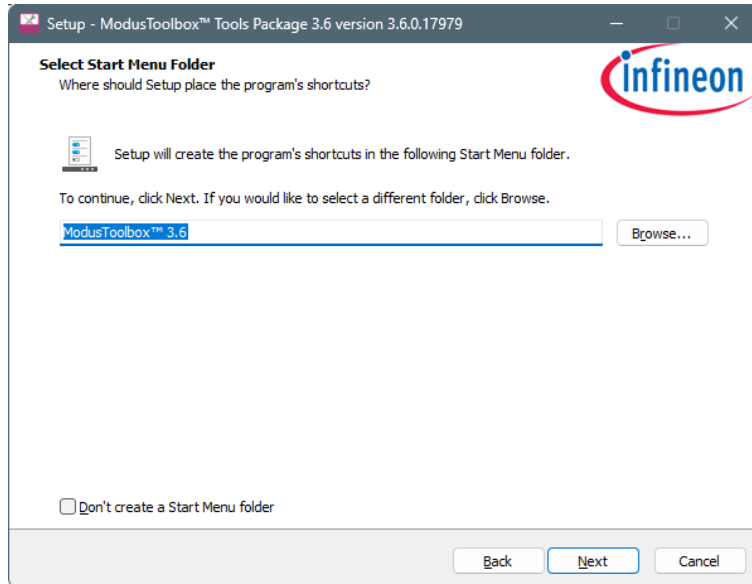
Any path without spaces or illegal characters will work. The same is true if you install for all users in a non-default user home directory.

Click **Next** and a notice like the following will display to confirm that you are installing in a non-default location:

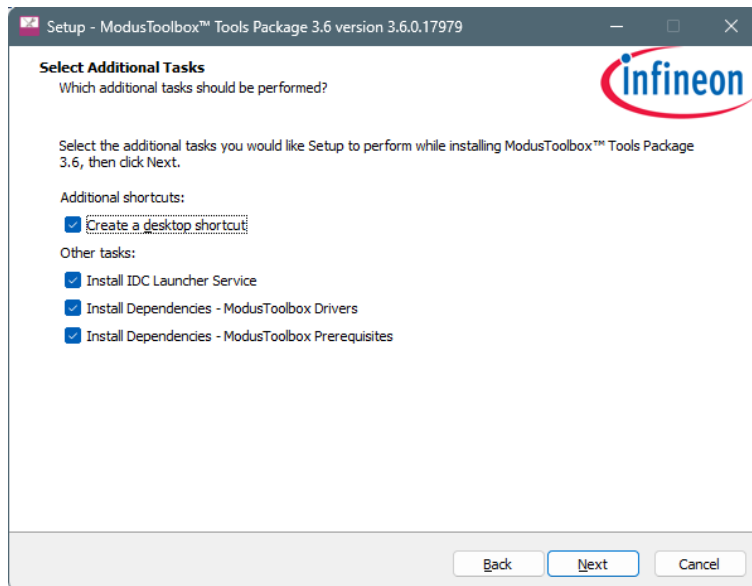


3 Advanced installation instructions

Click **OK** to proceed.



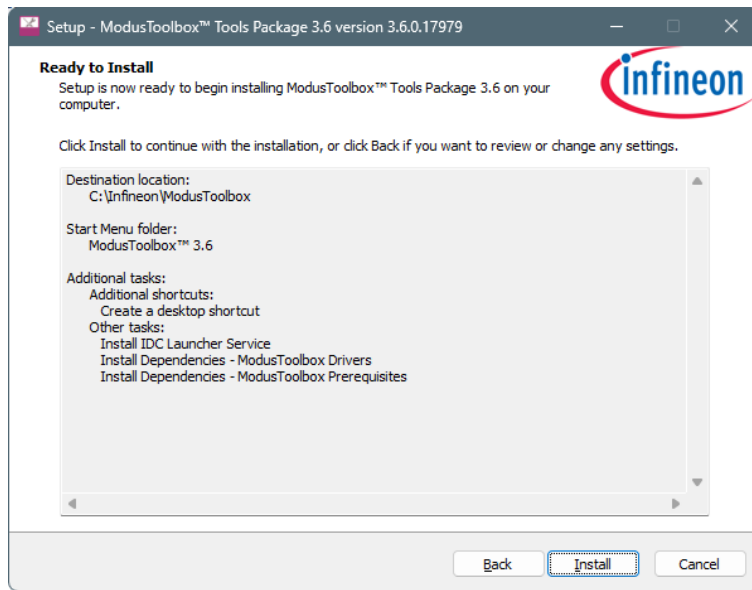
Specify the **Start** menu folder options, if needed, and click **Next**.



Select or deselect various install options and click **Next**.

Note: *If you have never installed ModusToolbox™ software before, leave the **Other tasks** selected to ensure a correct installation.*

3 Advanced installation instructions



Review the settings and click **Install** to begin the installation, or click **Back** to go back to previous pages to make changes.

After installation is complete, review and follow the instructions in the following subsections as applicable.

3.1.1 Create directories

When installing in a non-default location, you should create a couple directories. You can choose any path as long as it doesn't contain spaces.

1. Create a hidden "dot" directory named ".modustoolbox" for variable locations described later in this section. For example:
`C:\MyPath\.modustoolbox`
2. Also, create a directory to store your workspaces. For example:
`C:\MyPath\mtb-projects`

3.1.2 Create variable to specify the path to Tools

Because you are installing ModusToolbox™ into a non-default location, you need to specify the path to your "tools" directory using an Environment Variable. Open the Environment Variables dialog, and create a new System or User Variable, depending on your installation type (current user or all users). For example:

```
CY_TOOLS_PATHS = C:/MyPath/ModusToolbox/tools_[version]
```

Note: Use a Windows-style path (not Cygwin-style, like /cygdrive/c/). Also, use forward slashes.

3.1.3 Create variable to specify the global path

You also need to specify the global path using an Environment Variable. Open the Environment Variables dialog, and create a new System or User Variable, depending on your installation type (current user or all users). For example:

```
CY_GETLIBS_GLOBAL_PATH = C:/MyPath/.modustoolbox/global
```

3 Advanced installation instructions

Note: Use a Windows-style path (not Cygwin-style, like /cygdrive/c/). Also, use forward slashes.

Note: You can set this value using the Settings program instead of using an environment variable.

3.1.4 Specify the custom path to use for Local Content Storage

If you use Local Content Storage (LCS) to enable work without access to the Internet, set this variable to specify where the content will be stored. For example:

```
MTB_LOCAL_CONTENT_PATH = C:/MyPath/.modustoolbox/lcs
```

Note: Use a Windows-style path (not Cygwin-style, like /cygdrive/c/). Also, use forward slashes.

Note: You can set this value using the Settings program instead of using an environment variable.

3.2 Installing with previous versions

The ModusToolbox™ tools package installs alongside previous versions of the software (version 3.2, 3.0, 2.4, 2.3, etc.); therefore, all versions can be used independently. However, be aware that various programs including the Eclipse IDE and the build system will detect and use the most current version of the "tools" directory by default. For example, if you have both versions 3.4 and 3.3 installed, and if you launch the Project Creator from the Eclipse IDE for version 3.3, it will open the version from the "tools_3.4" directory instead of the "tools_3.3" directory.

To control this behavior, use the environment variable `CY_TOOLS_PATHS` as described in the "Product Versioning" section in the [tools package user guide](#). This variable applies to all versions of the ModusToolbox™ tools package, so you will have to update it as you work with different versions. You can add this variable as an environment variable for all applications, or add it to a specific application only in the *Makefile*.

3.3 Installing with firewall or lack of web access

After the ModusToolbox™ software is installed, you will need access to the web to create applications, which download libraries from GitHub.com. If your site is behind a firewall, you can set up proxy information using the Project Creator tool. If GitHub.com is blocked for your site, you can use the Manifest DB Settings to point to a mirror or custom site. Refer to the [Project Creator user guide](#) for more information.

If you have no access to the web at all, you can use the Local Content Storage (LCS) Manager feature to create a copy of the database on your system. You will need one-time web access to set it up. Refer to the [LCS Manager CLI user guide](#) for more information.

3.4 Installing without the Setup program (offline installation)

ModusToolbox™ software consists of many packages and packs that can be downloaded and installed individually. In some cases, you may not want to use the Setup program to install the ModusToolbox™ software. We refer to this as "offline installation." You need to download and install the packages you want, or install them with the Infineon Developer Center (IDC) locally or on the web. Just be aware that some ModusToolbox™ packages have dependencies on others. So, you'll have to install dependencies as well.

For detailed instructions about how to install without the Setup program, refer to <https://community.infineon.com/t5/Knowledge-Base-Articles/Installing-ModusToolbox-software-without-the-Setup-program/ta-p/945668>.

4 Setup program GUI description

4 Setup program GUI description

The main GUI window of the ModusToolbox™ Setup program contains the following elements:

- Main menu
- Main toolbar
- Packages view
- Log panel

4.1 Menus

The main application menu consists of multiple menu item groups as defined below.

4.1.1 File

The **File** menu consists of the following menu items:

| Menu item | Description |
|-----------------------|--|
| Login / Logout | The login function provides access to installable packages from the IDC. The login is the same as the IDC login. If you don't already have an account, you can create one at https://community.infineon.com . |
| Refresh | Checks the server for any updates and refreshes the Setup program. |
| Show Downloads | Opens a folder on disk to show the various downloaded executable files for the packages that were selected. |
| Preferences | Opens the Preferences dialog. |
| Exit | Exits the ModusToolbox™ Setup program. |

4.1.2 Help

The Help menu consists of the following menu items:

- **View Help** – Opens this document.
- **Check for updates** – Manually checks to see if there are any updates to the Setup program itself. The tool can be configured to check for updates on startup. If updates are available, the ModusToolbox™ Setup Installer package is downloaded and executed once the program is closed.
- **About** – Opens the About box for version information, with links to open <https://www.infineon.com>, the current session log file, and the Infineon Developer Center Launcher Service log file.

4.2 Main toolbar

The main toolbar consists of the following:

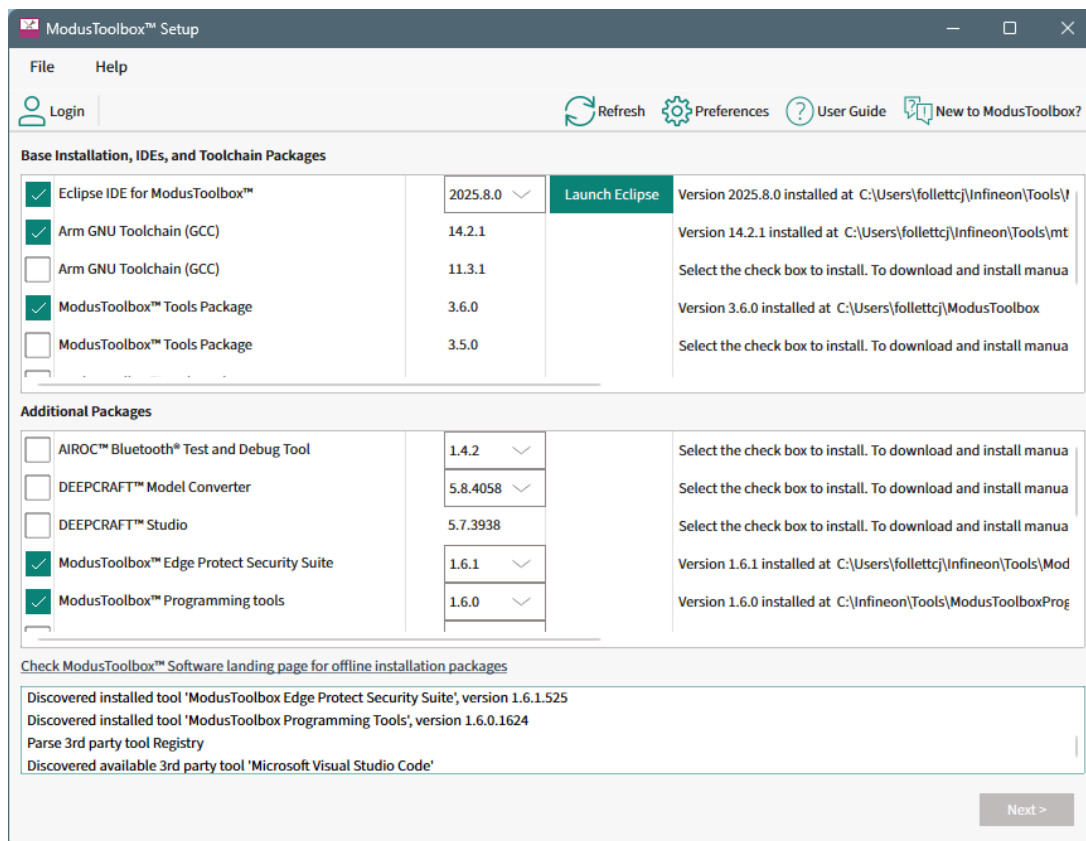
- **Login / Logout**: While **Login** is visible, **Logout** is not. When you are logged in, your email address is displayed along with the **Logout** button.
- **Refresh**: initiates a refresh of the list of available packages.
- **Preferences**: opens the [Preferences dialog](#).
- **User Guide**: opens this document.
- **New to ModusToolbox?**: opens an [introductory document for new users](#).

4 Setup program GUI description

4.3 Packages view

The Setup program gathers package data from the IDC online and local tools registry, and then displays all installed and available packages along with version information. For the purposes of this document, a package includes ModusToolbox™ platform tools, patches, packs, programming tools, and other tools such as the Memory Analyzer. The Setup program displays a list of the available packages, grouped by two categories:

- **Base Installation, IDEs, and Toolchain Packages:** This includes the ModusToolbox™ tools packages, Eclipse, VS Code, and GCC.
- **Additional Packages:** This includes all other packages relevant to the ModusToolbox™ ecosystem, including programming tools, technology packs, early access packs, and auxiliary tools.



Some of the packages require you to be logged in to download and install, while others do not.

As you select various packages to install, the description on the right describes the action to take next. Installed packages show the path installed, and also provide a tooltip showing the path.

4.4 Log panel

The log panel area displays the information messages relevant for you. Examples of events that produce messages to the panel view:

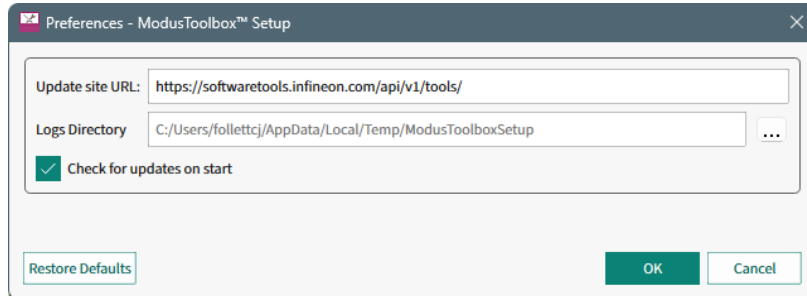
- Logged in/logged out
- Completed/failed downloading the tool data from the online tool registry
- Package was selected/deselected in the tool selection view
- Dependent package version was changed (to satisfy the updated tool dependency constraints)
- Tool configuration (installation mode, target directory was changed)
- Tool download started/finished
- Tool installation/uninstallation started/finished

See [How to collect logs](#) in the troubleshooting section.

4 Setup program GUI description

4.5 Preferences dialog

You can open the Preferences dialog from the main menu or main toolbar button.



The following settings are available:

- **Update site URL:** The address of the IDC Online Tools registry. Usually there is no need to customize this address to a non-default URL.
- **Logs Directory:** The path to the directory where log files are stored. By default, this is the system temporary directory.
Note: After choosing a directory for logs, the program will create a "ModusToolboxSetup" sub-folder there where log files are kept.
- **Check for updates on start:** disable this option to prevent the program from automatically checking for an update at each start.

Use the **Restore Defaults** button to revert the options back to their default values.

5 Troubleshooting

5 Troubleshooting

5.1 How to collect logs

If any errors occur when running the program, ModusToolbox™ Setup and Infineon Developer Center Launcher / Launcher Service, logs may be invaluable for resolving possible issues. To collect the ModusToolbox™ Setup current-session log, go to **Help > About > Log(s)**. Logs from previous sessions can be found as follows:

| OS | Log directory path |
|---------------------------|--|
| Windows (Current User) | %USERPROFILE%/AppData/Local/Temp/ModusToolboxSetup |
| Linux™ | \$HOME/tmp/ModusToolboxSetup |
| macOS | /private/var/folders/[some tmp folder]/ModusToolboxSetup |

Note: Since logs are stored in a temporarily location, they will be deleted on MacOS and Linux™ on reboot. To prevent deletion, you can change the directory where logs are stored in the Preferences dialog.

If Infineon Developer Center is installed, the logs can be accessed via the **Help > Contact us > Generate Support Document** option. If only the Infineon Developer Center Launcher Service is installed, logs can be found as follows:

Go to **Help > About > Log(s)** and click on the “IDC Launcher Service Log(s)” link to open logs in the text editor window, or find the logs file directly in:

| OS | Log directory path |
|---------------------------|--|
| Windows (Current User) | %USERPROFILE%/AppData/Local/Infineon_Technologies_AG/Launcher-Service/resources/logs |
| Linux™ | \$HOME/.local/share/ Infineon_Technologies_AG/Launcher-Service/resources/logs |
| macOS | \$HOME/Library/Application Support/ Infineon_Technologies_AG/Launcher-Service/resources/logs |

5.2 Unable to login with Infineon Developer account

Open <https://community.infineon.com/> in the browser and create an account. Then, use the **Login** button to open the login form and enter the login and password.

5.3 Unable to download packages (network or lack of access issues)

If there are network issues, but still you have access to the web, download the interested package(s) from the IDC web page <https://softwaretools.infineon.com/tools/>, and install manually.

- On Windows run the package installer executable and follow installation instructions. Installers for Windows usually provide options to install for current user or for all users of the same computer along with possibility to select a custom installation path.
- On Linux navigate to the location of the *.deb file in the terminal and type the following command:

```
$ sudo apt install ./<package name>_<version>.deb
```

- On macOS double-click the downloaded *.pkg file and follow the installation wizard.

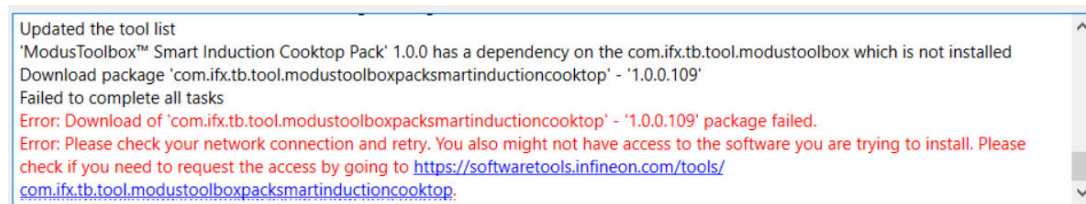
Alternatively, start the ModusToolbox™ Setup program on a different PC with a network connection, install the required packages, and copy the installer(s) from the package download directory to your PC.

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Location of the download directory:

| OS | Download directory path |
|---------|--|
| Windows | %USERPROFILE%\AppData\Local\Infineon_Technologies_AG\Infineon-Toolbox\Tools |
| Linux™ | \$HOME/.local/share/Infineon_Technologies_AG/Infineon-Toolbox/Tools |
| macOS | \$HOME/Library/Application Support/Infineon_Technologies_AG/Infineon-Toolbox/Tools |

If you are trying to install (purchasable) software, but don't have access to it, you will see an error message similar to this:




Then, you can click on a link in the message, and request access to the interested software.

5.4 Infineon Launcher Service doesn't function properly

If there are issues with the Launcher Service such as:

- An error during login stating "Error: Failed to Login: Failed to Discover Launcher service port"
- Issues with login to myInfineon account or issues during software installation process
- An error stating "Failed to check for the ModusToolbox™ Setup update: 'Failed to discover Launcher Service port'"
- An error stating "Download package failed: Failed to discover Launcher Service port"

1. Close the ModusToolbox™ Setup program.
2. Close the Launcher Service using the system tray icon (.
3. Delete the *launch.conf* file from the *resource* folder.

| | |
|---------|--|
| Windows | %USERPROFILE%\AppData\Local\Infineon_Technologies_AG\Launcher-Service/resources/launcher.conf |
| Linux | \$HOME/.local/share/Infineon_Technologies_AG/Launcher-Service/resources/launcher.conf |
| macOS | \$HOME/Library/Application Support/Infineon_Technologies_AG/Launcher-Service/resources/launcher.conf |

4. Start the ModusToolbox™ Setup program again, which will start a new instance of the Launcher Service.

If after steps above the Infineon Launcher Service still doesn't function correctly, check availability of the service on the machine and manually restart the service:

| | |
|---------|---|
| Windows | %USERPROFILE%\Infineon/LauncherService/idc-launcher-service.exe |
| Linux | /opt/LauncherService/idc-launcher-service |
| macOS | /Library/Infineon/LauncherService/idc-launcher-service.app |

To restart the service manually:

5 Troubleshooting

1. Close the Launcher Service using the system tray icon.
2. Go to the folder where the Launcher Service executable is installed.
 - On Windows command prompt, execute this command:

```
start /B idc-launcher-service
```

- On Linux, execute this command:

```
idc-launcher-service &
```

- On macOS, execute this command:

```
open -a idc-launcher-service &
```

5.5 Infineon Launcher Service is not installed/was partially removed

Close the running processes of the ModusToolbox™ Setup program and re-install ModusToolbox™ Setup.

On Windows, if the Infineon Launcher Service was partially removed (uninstallation wasn't done via Apps & Features menu or via unins000.exe), the Windows Registry might still hold entry for the service. To fix this issue, delete the entry for the service:

1. Open the Registry Editor.
2. Under HKEY_CURRENT_USER\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall, find the {7FE3184F-6527-44F2-9F92-B2B8D4D0935E}_is1 entry, right-click on the entry and select **Delete**.
3. Reinstall ModusToolbox™ Setup program.

On Linux, if the Infineon Launcher Service was partially removed it may still be registered in the dpkg database. To fix the issue run the following command from the terminal:

```
$ sudo apt remove idc-launcher-service
```

5.6 ModusToolbox™ Setup program is stuck downloading or installing a program

1. Close the running processes of the ModusToolbox™ Setup program and Infineon Launcher Service using the Task Manager.
2. Start the ModusToolbox™ Setup program again.

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5.7 Network issues

ModusToolbox™ Setup program requires a working internet connection. The program doesn't work in cases where access to the infineon.com servers are blocked by a firewall or proxy.

The following list of networking resources must be accessible on the machine for the Setup program to function properly:

- redirectURL = "http://localhost:45210/infineon-toolbox/oidc/callback"
- authURL = "https://sso.infineon.com/as/authorization.oauth2"
- authPortNumber = ":45210"
- callbackURI = "/infineon-toolbox/oidc/callback"
- redirectTokenURL = "https://sso.infineon.com/as/token.oauth2"
- deviceAuthorizationURL = "https://sso.infineon.com/as/device_authz.oauth2"
- revokeURL = "https://sso.infineon.com/as/revoke_token.oauth2"
- toolsRepo = "https://softwaretools.infineon.com"
- updateToolsURL (REST endpoint) = "https://softwaretools.infineon.com/api/v2/tools/"

5.8 Expired SSL certificate for “softwaretools.infineon.com” site

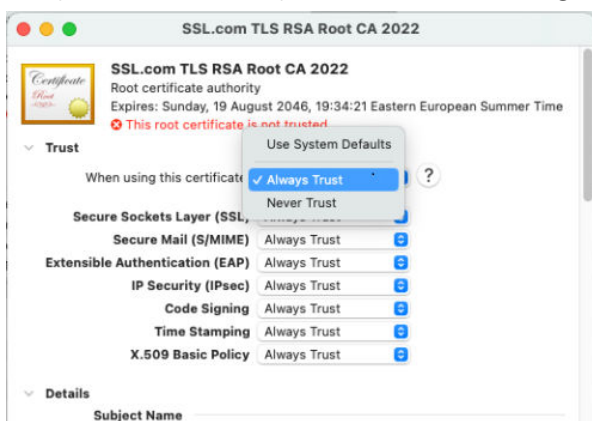
The list of available for download tools is not displayed by ModusToolbox™ Setup in this case. The program displays “Failed to fetch tools information ...” error in the Log panel, and “SslHandshakeFailedError” is reported by debug logs available in **Help > About > Log(s)**.

ModusToolbox™ Setup program requires HTTPS access to <https://softwaretools.infineon.com> site. ModusToolbox™ Setup uses the standard system SSL certificate storage on your PC.

To solve the issue, you will need to update the required SSL certificate manually on macOS and Ubuntu systems:

On macOS:

1. Open web browser and go to <https://www.ssl.com/repository> site. This is the worldwide certification authority company (International Trust Services Provider).
2. Download the latest SSL.com Root CA Certificate - "SSL.com TLS RSA Root CA 2022" in PEM format (the first one under “SSL.com Root and Intermediate Certificates” section).
3. Open “Applications/Utilities/Keychain Access” in Finder.
4. Select "System" entry on the left panel and click on "Certificates" tab.
5. Drag and drop the downloaded "SSL.com TLS RSA Root CA 2022.pem" file to 'Certificates' window.
6. Double click on "SSL.com TLS RSA Root CA 2022" name in the list of certificates. Then open the 'Trust' entry and select "Always Trust" in 'When using this certificate' drop down:



7. Close Keychain Access and check if ModusToolbox™ Setup is working.

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On Linux:

Update the standard “CA-Certificates” Ubuntu package with the command:

```
$ sudo apt install -y ca-certificates
```

Revision history
Revision history

| Revision | Date | Description |
|----------|------------|--|
| ** | 2017-12-29 | New document. |
| *A | 2018-09-18 | Complete update for production release. |
| *B | 2018-11-21 | Updated the system requirements section. Added information about uninstalling issues. Updated to clarify macOS instructions. |
| *C | 2019-02-27 | Updated for version 1.1. Added custom drivers information. Updated linux instructions. |
| *D | 2019-09-26 | Added information to clarify usage with multiple versions and workspaces. |
| *E | 2019-10-17 | Updated for version 2.0. Added a note for macOS Catalina. |
| *F | 2019-10-21 | Added git as a prerequisite. |
| *G | 2020-10-14 | Added a link to KBA229345. |
| *H | 2020-02-13 | Added a comment about using forward slashes for the CY_TOOLS_PATHS variable. |
| *I | 2020-03-26 | Updated for version 2.1. |
| *J | 2020-02-04 | Corrected macOS executable name. |
| *K | 2020-04-14 | Corrected "optional" step for installing with spaces in user home directory. |
| *L | 2020-09-01 | Updated for version 2.2. Updated to include Python 3.7 requirement. Removed macOS Catalina notarization warning. |
| *M | 2021-03-25 | Updated for version 2.3. Added installer instructions for Windows and multiple users. Added Linux instruction for libncurses5. Updated for macOS Big Sur. |
| *N | 2021-09-10 | Updated for version 2.4. |
| *O | 2022-09-22 | Updated for version 3.0. Added instructions for CY_GETLIBS_GLOBAL_PATH. Updated formatting for version 3.0. |
| *P | 2022-10-20 | Updated the name of the Eclipse executable. |
| *Q | 2023-01-17 | Updated link for cysecuretools. |
| *R | 2023-05-18 | Updated for version 3.1. Updated Linux installation instructions. Added Dashboard instructions and removed Eclipse instructions. Removed caching variable and offline content. Added local content instructions. |
| *S | 2023-07-12 | Added note about final release to support Windows 7, macOS Big Sur, and Ubuntu 18.04. |

Revision history

| Revision | Date | Description |
|----------|------------|---|
| *T | 2024-01-29 | Updated for version 3.2. Updated Linux instructions for .deb file. Added mention of the Setup program. Added instructions for firewall or no web access. |
| *U | 2024-04-10 | Clarified installing using custom options. Added note about older versions of Windows 10 not supported. |
| *V | 2024-07-10 | Clarified instructions for macOS and Linux. |
| *W | 2024-09-15 | Updated for version 3.3. |
| *X | 2024-12-06 | Updated for version 3.4. |
| *Y | 2025-02-11 | Updated with complete instructions to install and use the Setup program; added link to KBA for installing without the Setup program. |
| *Z | 2025-03-19 | Updated for version 1.3 Setup program and 3.5 tools package; GUI updated. |
| AA | 2025-03-25 | Updated the final screen to include Run buttons. Added section for installing IDEs. |
| AB | 2025-04-24 | Updated section 3.4 with additional details. |
| AC | 2025-06-20 | Updated for version 1.4 Setup program. |
| AD | 2025-10-01 | Updated for version 1.5 Setup program; added default option for brand new installs. |
| AE | 2026-01-28 | Updated for version 1.6 Setup program; changes include: <ul style="list-style-type: none">• Updated system requirements.• Changed "customization" to "non-slient" and updated instructions.• Changed display of packages to be installed, updated, and removed.• Added menu items for the user guide and New to ModusToolbox? document.• Fixed a few defects. |

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