



AN1211: Simplicity Studio v4 Installation Methods

This application note describes using the following three options for installing Simplicity Studio v4 (SSv4):

- Default online update mechanism
- Offline installers
- Offline installer archives

The most robust method is to use the default online update mechanism, which can be simple or complex, depending on the network configuration. This is the recommended installation method and it is discussed first.

The simplest method for installing Simplicity Studio v4 is to use the offline installers and this is discussed second, but it is not as flexible as the other methods. However, if an offline installation is required, then this method is recommended for most users.

The third method of installation using offline installer archives is also described, as well as various methods to extend installation support for additional product groups.

KEY FEATURES OR KEY POINTS

- Default Online Installation of Simplicity Studio
- Obtaining Access to Simplicity Studio Offline Installation
- Installing Product Group Support with Offline Installers
- Installing Simplicity Studio using Offline Archive files
- Extending Offline Install with Online Update
- Extending Offline Install with Offline Archives
- Using Offline Archive Files with a Network

1. Default Online Installation of Simplicity Studio

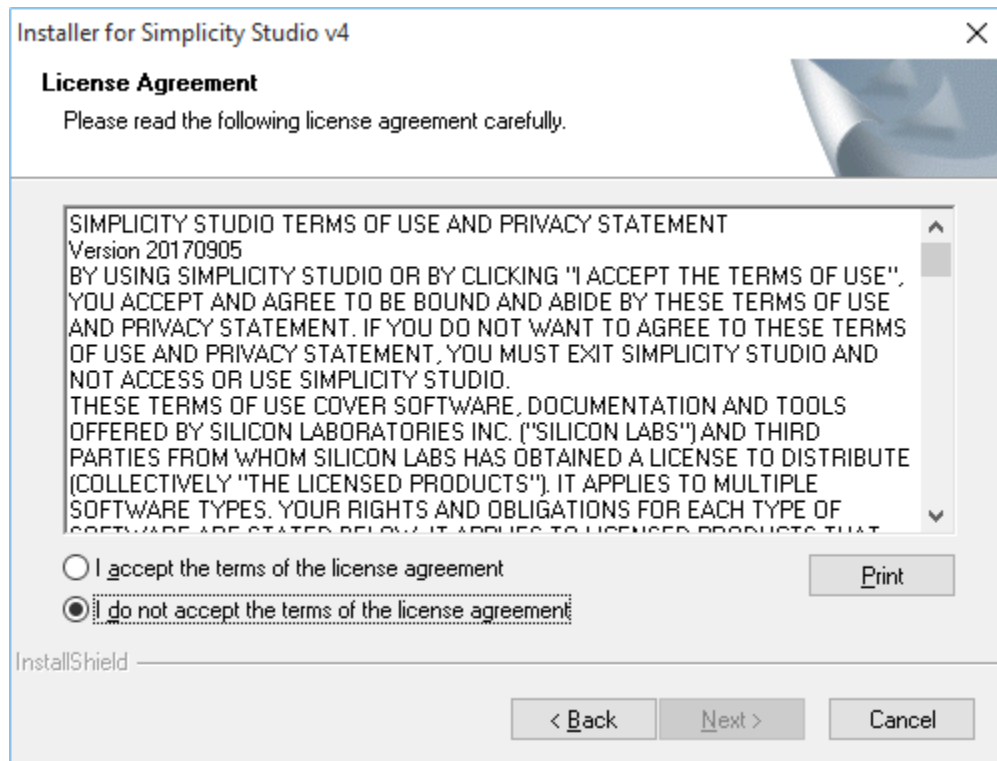
The default and recommended method to install Simplicity Studio is to use the online method that downloads only the selected packages from the content servers. This is the most flexible installation method and it will minimize the amount of data downloaded and disk space used compared to the offline methods. The main reasons not to use the online method would be if the computer does not have internet access, the internet connection is not reliable, or the network the computer is on has restrictions that cannot be accommodated by adjusting the Simplicity Studio network settings.

1.1 Run the Simplicity Studio Installation Application

Download the latest installer for the operating system being used from <https://www.silabs.com/products/development-tools/software/simplicity-studio>.

1.1.1 For Windows, double-click the installer to launch the installer.

When Simplicity Studio first launches, it presents a License Agreement dialog. Accept the terms of the agreement and click [Next]



Choose a destination location, click [Next] and then click [Install].

1.1.2 For the macOS, double-click the downloaded .dmg file to mount the file.

Drag the Simplicity Studio application icon to the Applications folder. The file will be verified and then copied. After that completes, start Simplicity Studio from the Launchpad or use Finder to open the Applications folder and start Simplicity Studio from Finder.

1.1.3 For Linux, the download is a zipped tar file that should be expanded in the user's home directory.

Follow the directions in the README.txt file to make sure the Linux installation is updated before running the setup.sh script to install the external packages required by Simplicity Studio.

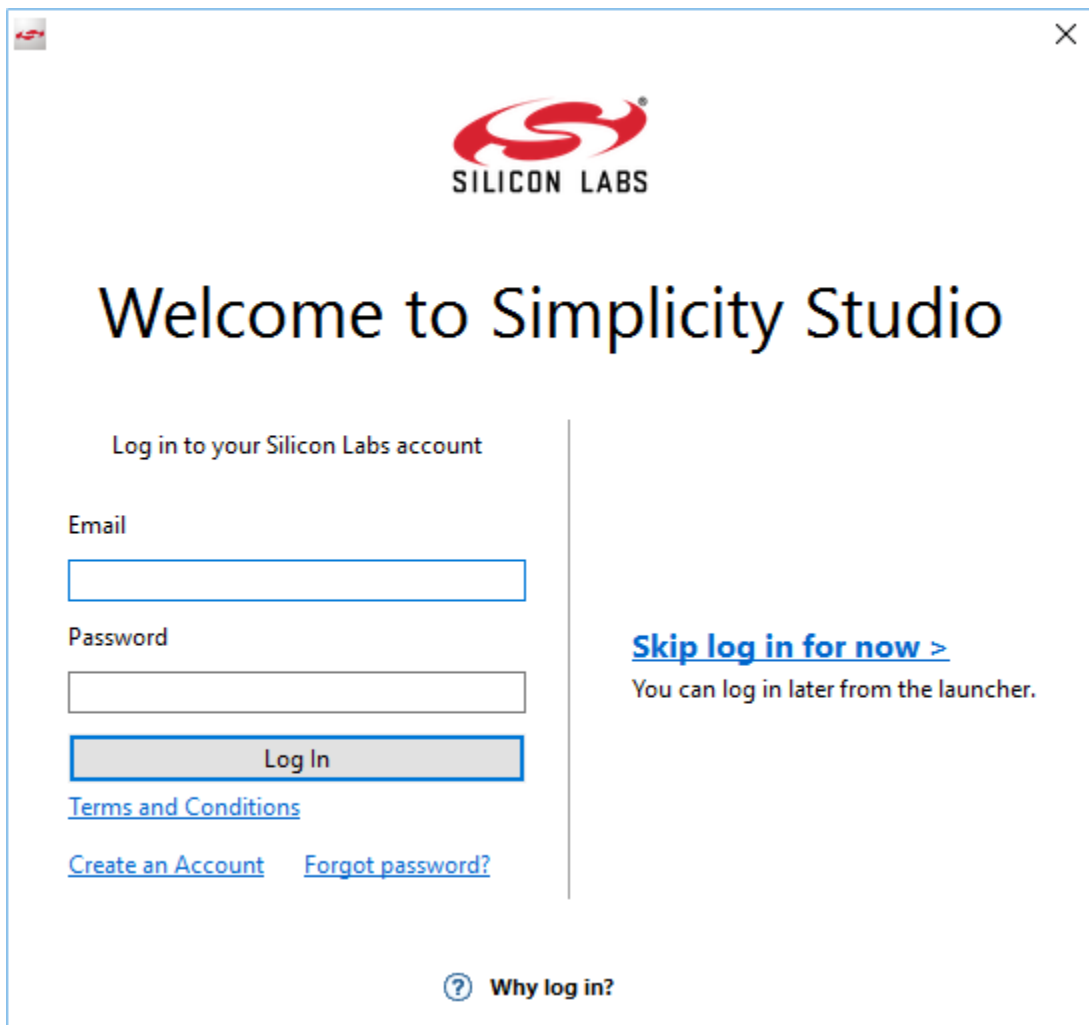
Note: Official Linux support is only for Ubuntu LTS distributions.

1.2 License Agreement

When Simplicity Studio first launches, it presents a License Agreement dialog. Accept the terms of the agreement and click [Next].

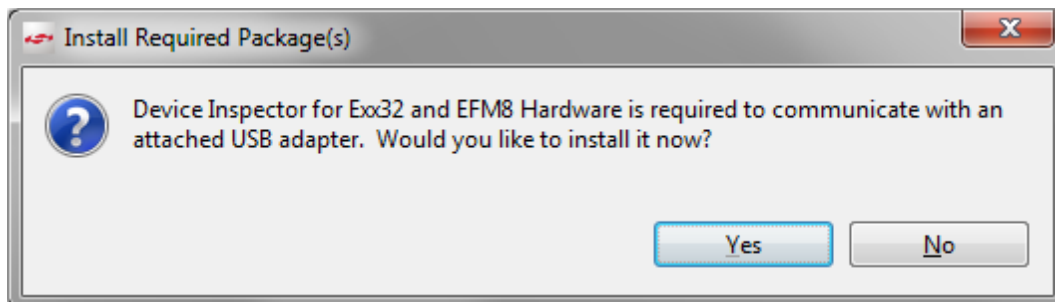
1.3 Log into Simplicity Studio with your Silicon Labs Credentials

When the application launches, you are invited to log in. Log in using your support account username and password. Although you can skip log in here, you must be logged in to access protected content.



1.4 Device Inspector Installation

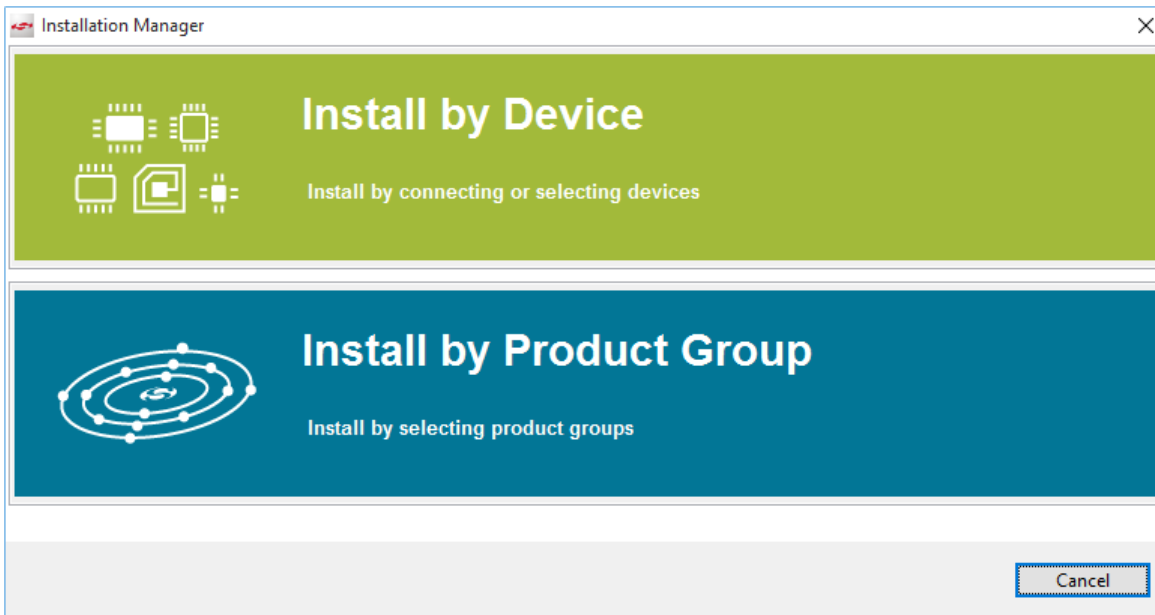
Once initial software installation is complete, Simplicity Studio checks for connected hardware. If any debug adapters are connected to the computer, Simplicity Studio will detect them and prompt a download of the appropriate Device Inspector. Click [Yes].



1.5 Installation Manager

After some additional items are installed, you are offered the option of installing by device or installing by product group.

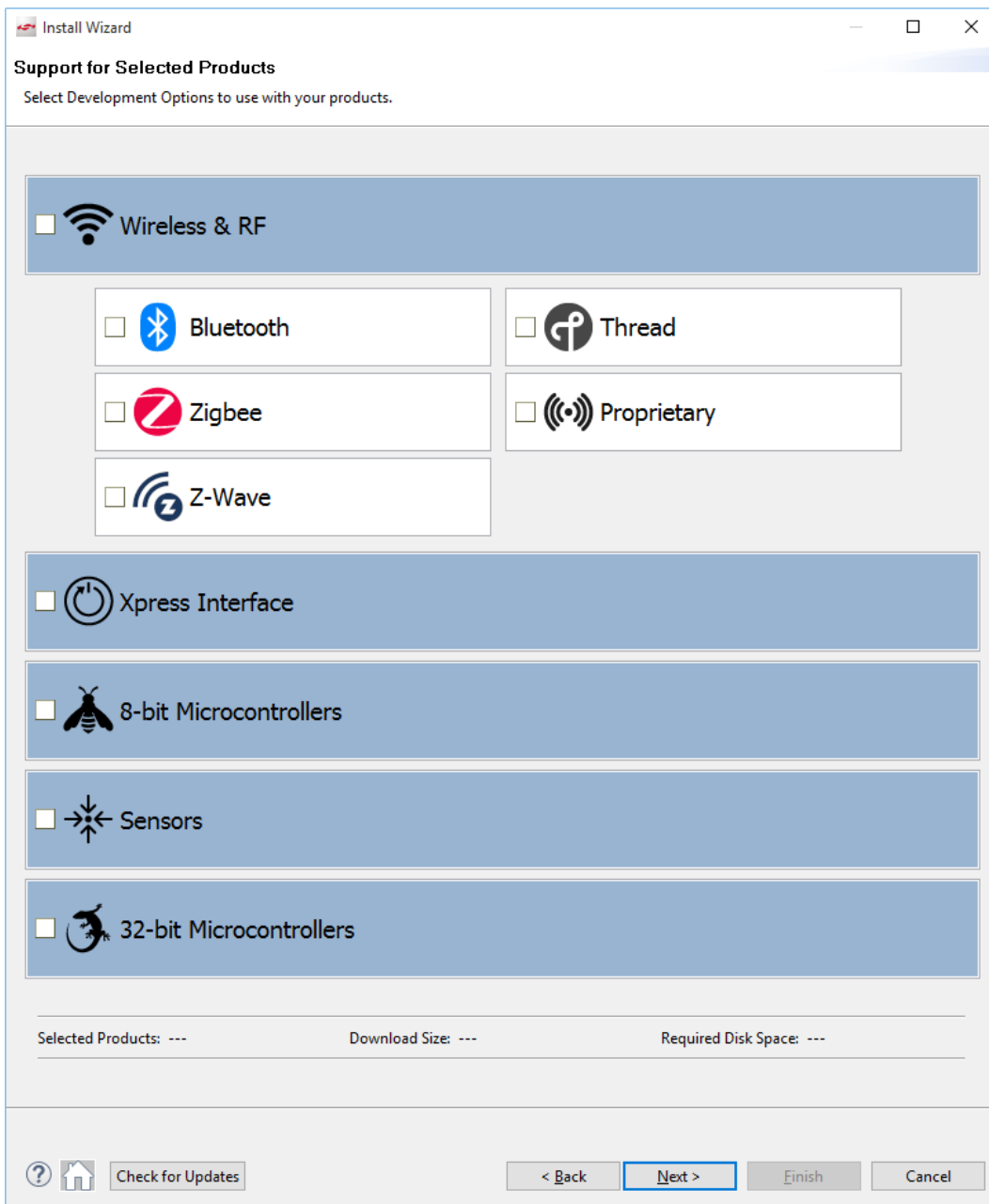
[Install by Product Group] will give you a more targeted set of installation options.



At any time throughout these procedures, you can click Home (🏠) to return to this dialog.

1.6 Install by Product Group Details

If you click [Install by Product Group], you are offered a list of product groups. Click the box for each of the desired product groups. For the Wireless & RF product group, there are additional options to install support for some or all of the supported wireless protocols.

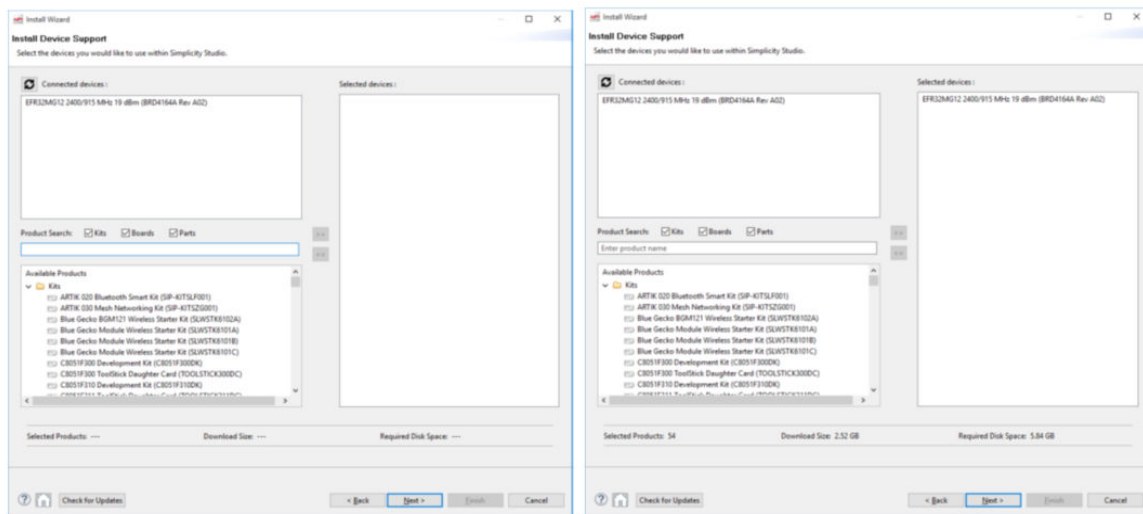


After making the selections, click [Next] and go to the next phase of installation

1.7 Install by Device Details

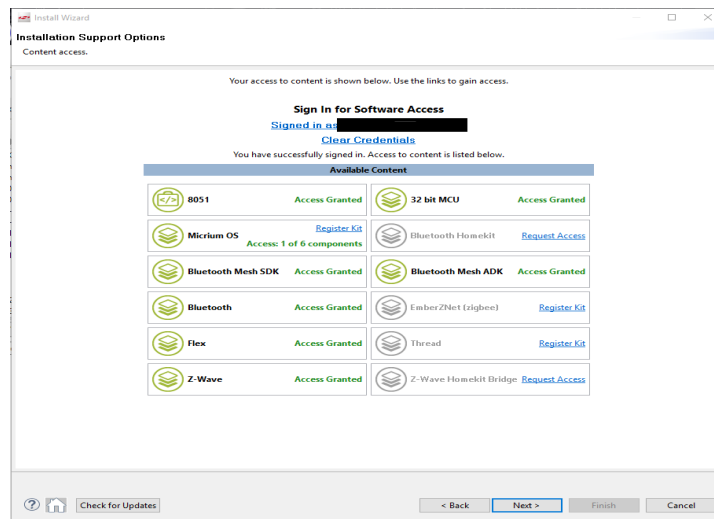
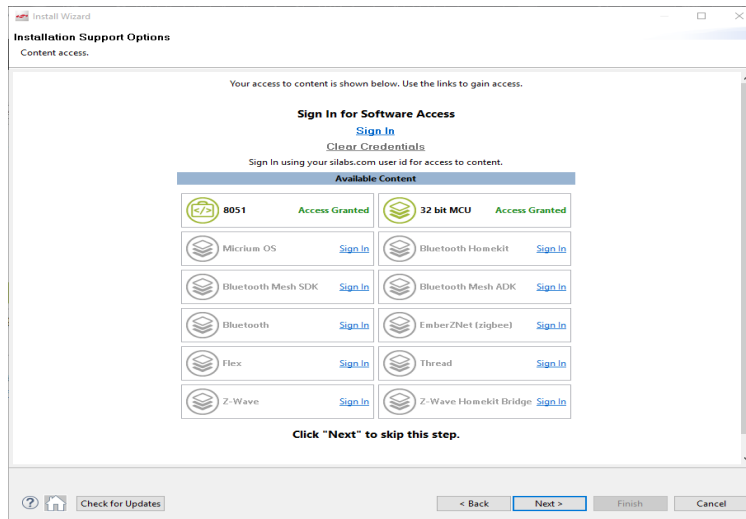
If you click [Install by Device], an Install Device Support dialog appears. After a short delay, it shows any connected devices. If a device is connected and it does not show, click [Refresh]. Select either a connected device, or search for a product and select it. When a product is selected click >> to add it to the Selected Device pane. Simplicity Studio calculates available space required for installation.

You can also click a selected device and click << to remove it. Click [Next] to continue.



1.8 Installation Support Options

The next dialog varies depending on whether or not you have signed in. If you have not signed in, you have no access to restricted content and so the wireless SDKs and Micrium OS components cannot be installed. After deciding whether or not to [Sign In], click [Next].



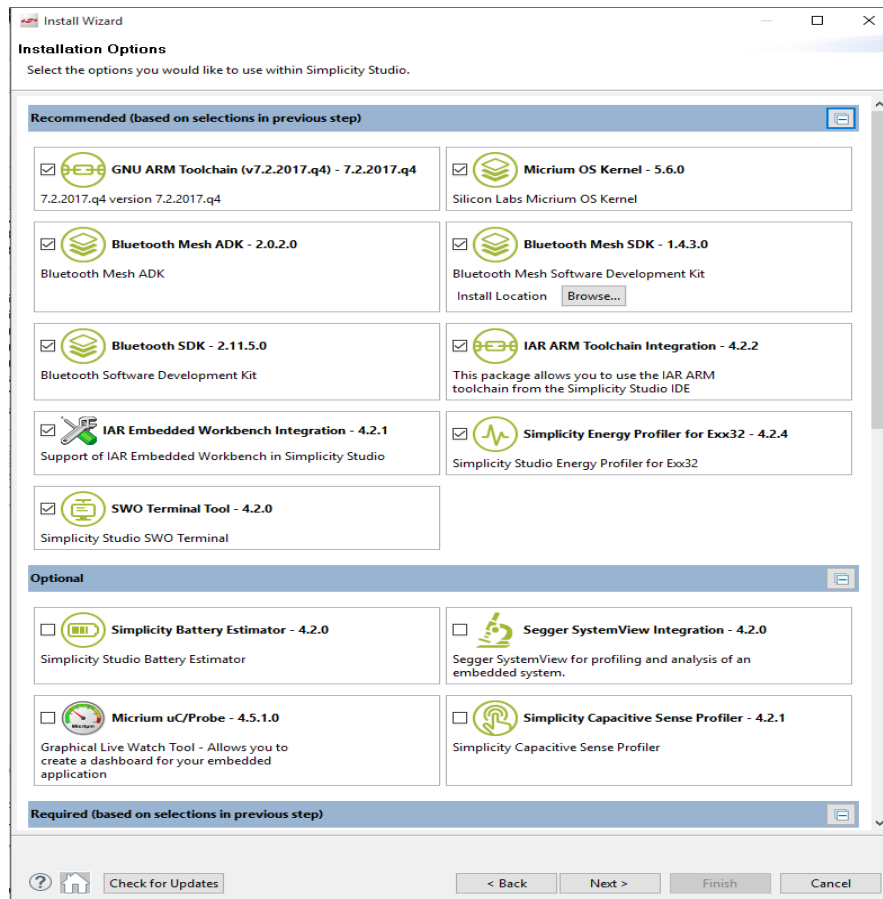
1.9 Installation Options

The Installation Options dialog shows the tools and software packages that can be installed (the versions may be different). The following figures show installation options after selecting the Bluetooth product group (a), and after selecting an EFR32MG device (b). In both views, any tools or packages that are not needed can be unchecked. If installing by Product Group, the selection is filtered more specifically than when installing by device. If installing by device and unchecking recommended items:

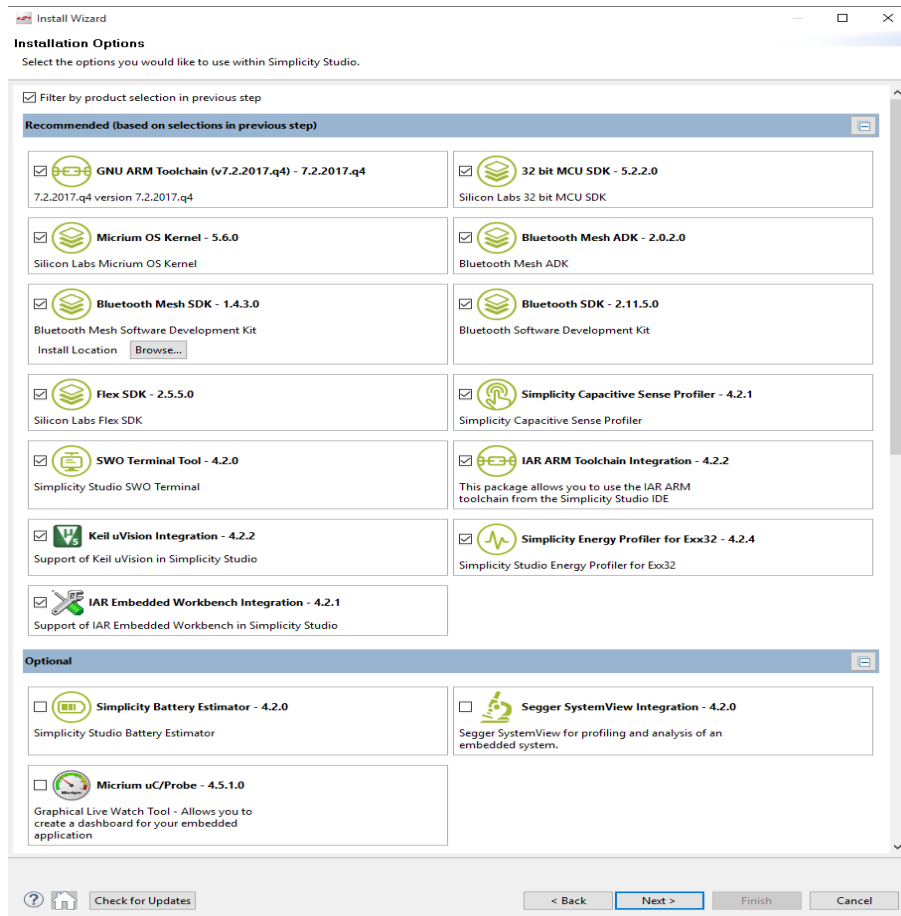
- If GCC will be used, GNU ARM Toolchain must be checked.
- If work will include RAIL/Bluetooth Dynamic Multiprotocol examples, then the Micrium OS Kernel and the Flex SDK must be checked.

After the selections are completed, click [Next].

a)



b)

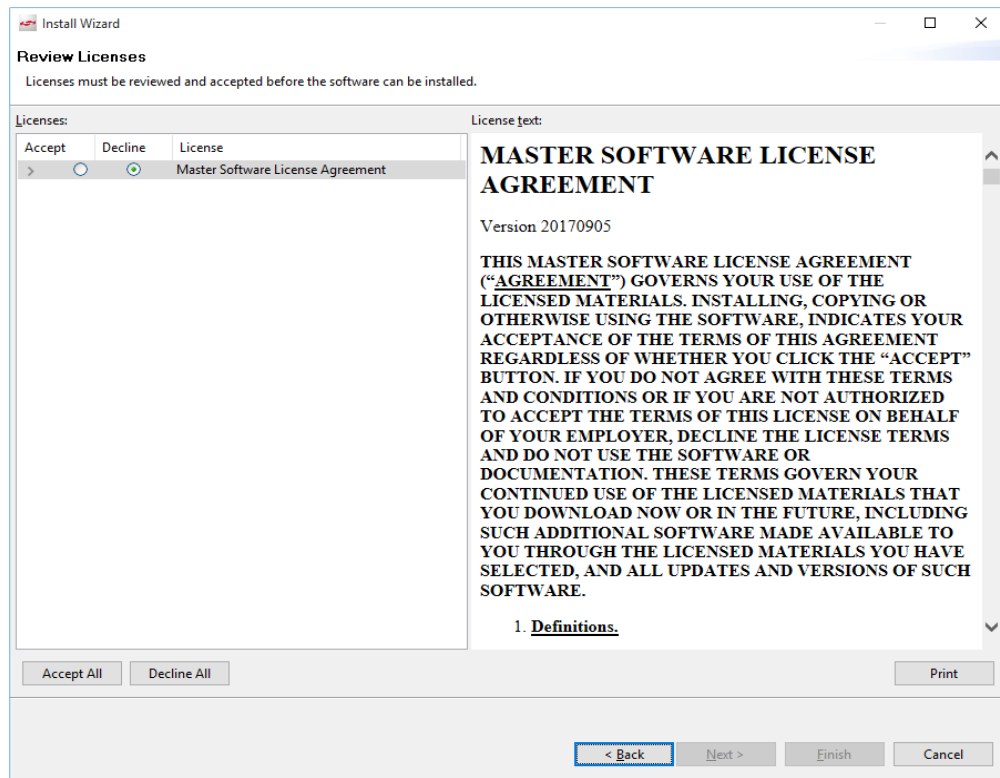


Note: Previous stack versions are shown under [Other Options].

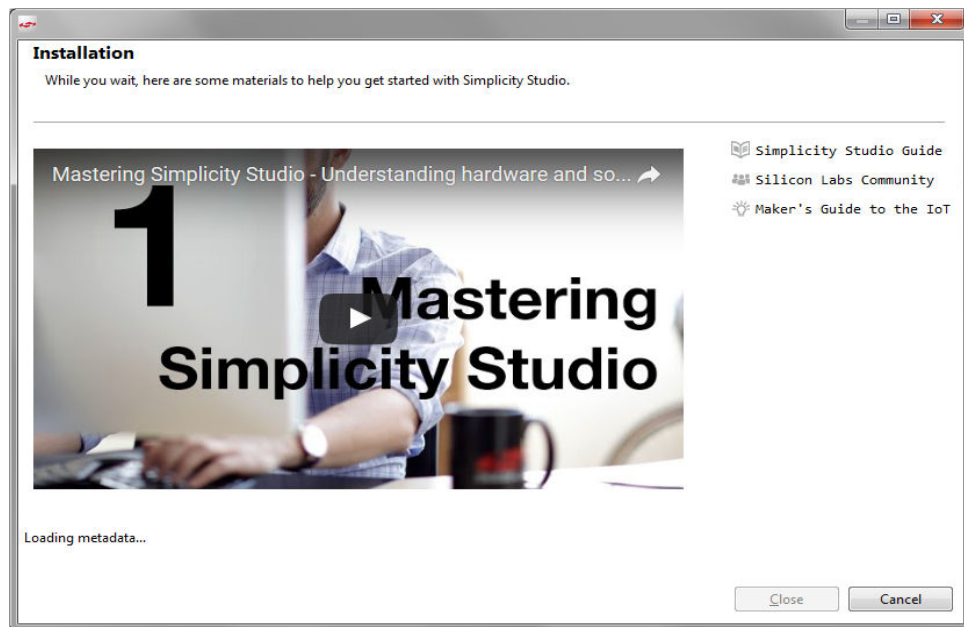
1.10 Review Licenses

Simplicity Studio displays a Review Licenses dialog. Accept the licenses shown and click Finish.

Note: If any components that have a separate license are installed in the future, this dialog will be presented again.



Installation takes several minutes. During installation, Simplicity Studio offers you viewing and reading options to learn more about the environment.



Restart Simplicity Studio when prompted to do so after the installation completes.

1.11 Special Network Considerations

1.11.1 The Network uses a Proxy Server for Internet Access

Many corporate networks employ proxy servers as a security measure to provide a more secure networking environment. If this is the case, then Simplicity Studio will have to be configured to work with the proxy server and the IT department will have to configure the proxy server to allow Simplicity Studio to connect to the Simplicity Studio update servers.

In this scenario, an error will be displayed when trying to install Simplicity Studio. The normal errors shown are either login errors where Simplicity Studio could not validate the sign in credentials or a “Connection Error” where Simplicity Studio could not connect to the update server.

All of the error messages described above generally indicate that Studio has failed to install the required components. After running Studio for the first time, users must select which components to install before creating a project or viewing documents and release materials. Studio requires an active internet connection with properly configured network or proxy settings to install these components. Only users on a network with a firewall that blocks access to the Studio servers or users that are required to use a proxy server to access external servers may be required to manually enter their network proxy settings into the Studio Network Connection Preferences dialog.

Studio Update Server Access

In order to install or update Studio components, your computer must be able to access the following domains:

- <https://developer.silabs.com> (port 443)
- <https://siliconlabs.force.com> (port 443)

If you are not sure if your network allows access to these servers or if you require the use of a proxy server to access external sites, contact the IT administrator to find out if a proxy server is being used and to request that the URLs listed above are added to the proxy server configuration.

Testing Server Access

Simplicity Studio access to the updated servers can be manually checked using a web browser. Firefox is recommended as it does not generally use the local system certificate store for SSL certificates.

Ensure that you have access to the following servers when using your web browser:

- <https://developer.silabs.com>
- <https://siliconlabs.force.com>

If you can successfully connect to <https://developer.silabs.com> via web browser, you should see an html page with the words "dev-tools".

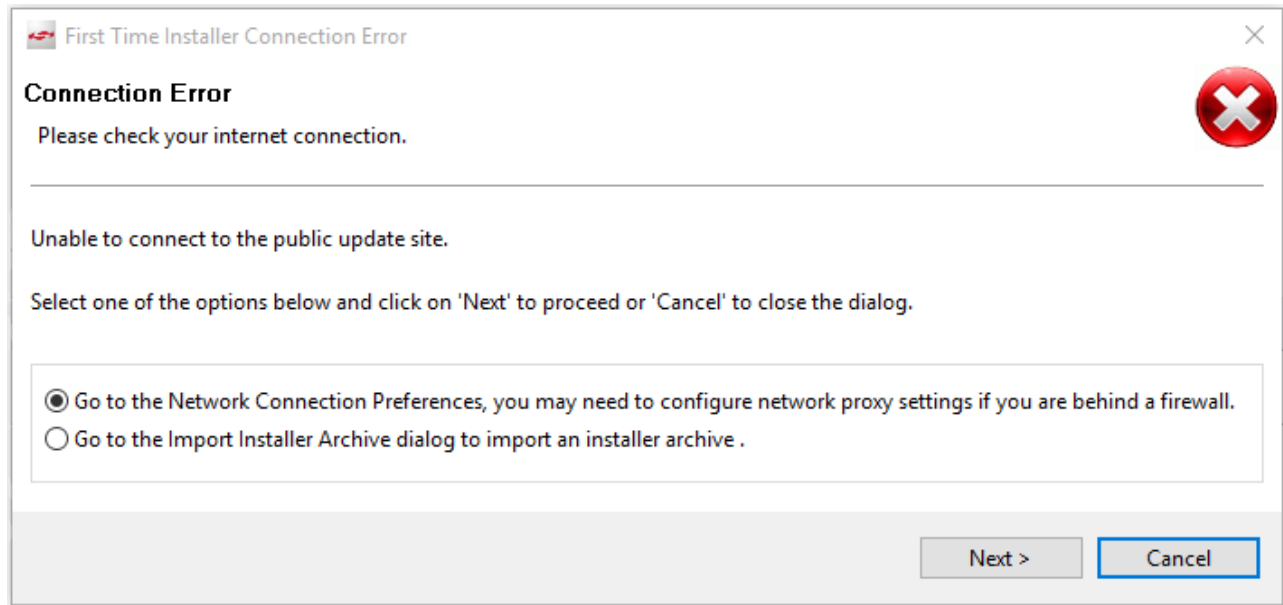
If you can successfully connect to <https://siliconlabs.force.com> via web browser, verify that you can successfully login with your Silicon Labs user account.

Configuring a Proxy Server

For users on a network requiring the use of a proxy server to access Simplicity Studio update servers, check with your IT administrator on the correct proxy server IP address and port for HTTP, HTTPS, and SOCKS protocols.

Note: Use of the SOCKS protocol is less common and entering settings for the SOCKS protocol can block update access if entries are made when a SOCKS server is not being used).

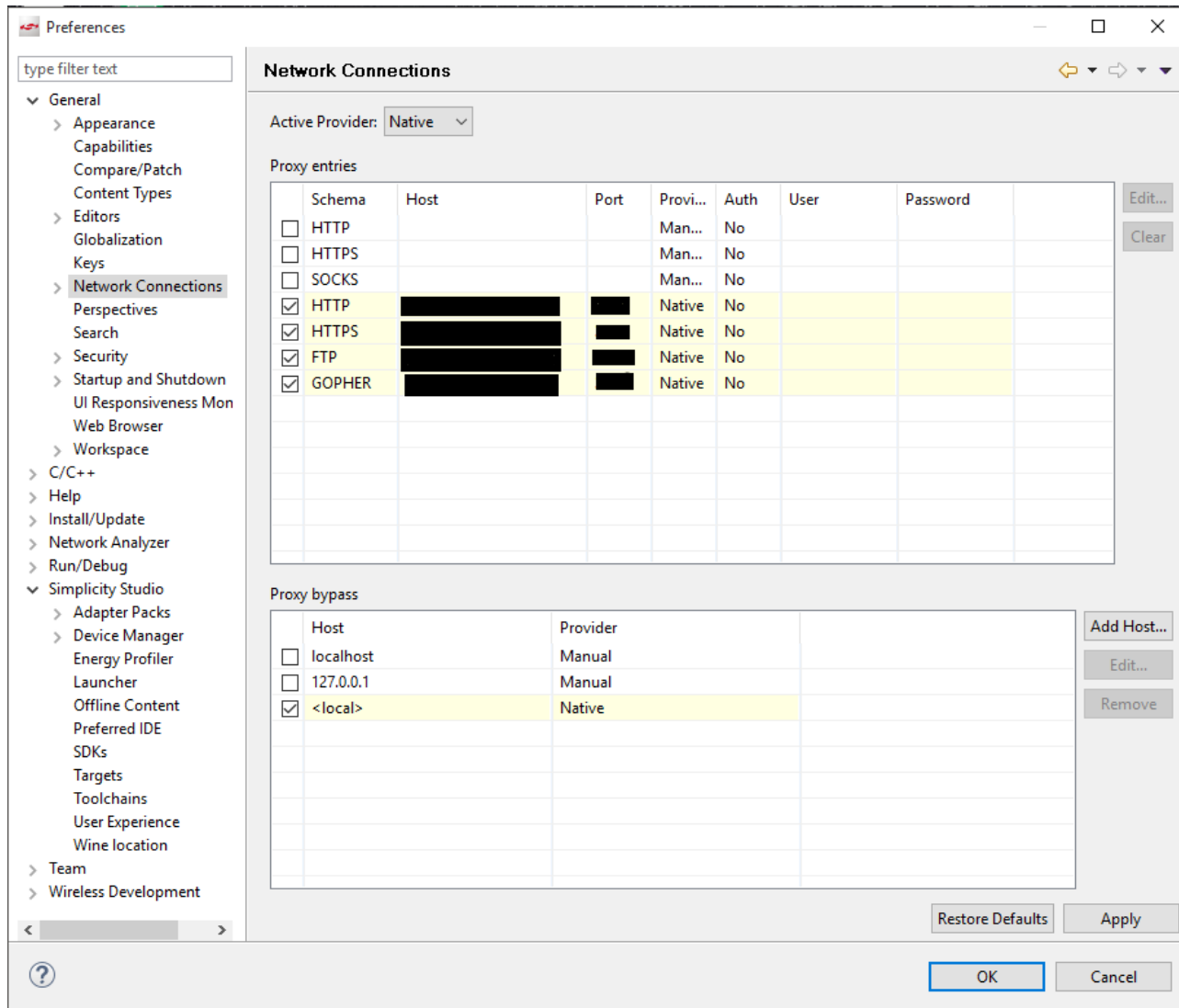
When you first run Simplicity Studio and the program can't detect an active internet connection, the Connection Error Dialog will appear.



To configure your proxy settings for Studio, select “Go to the Network Connection Preferences” and click [Next].

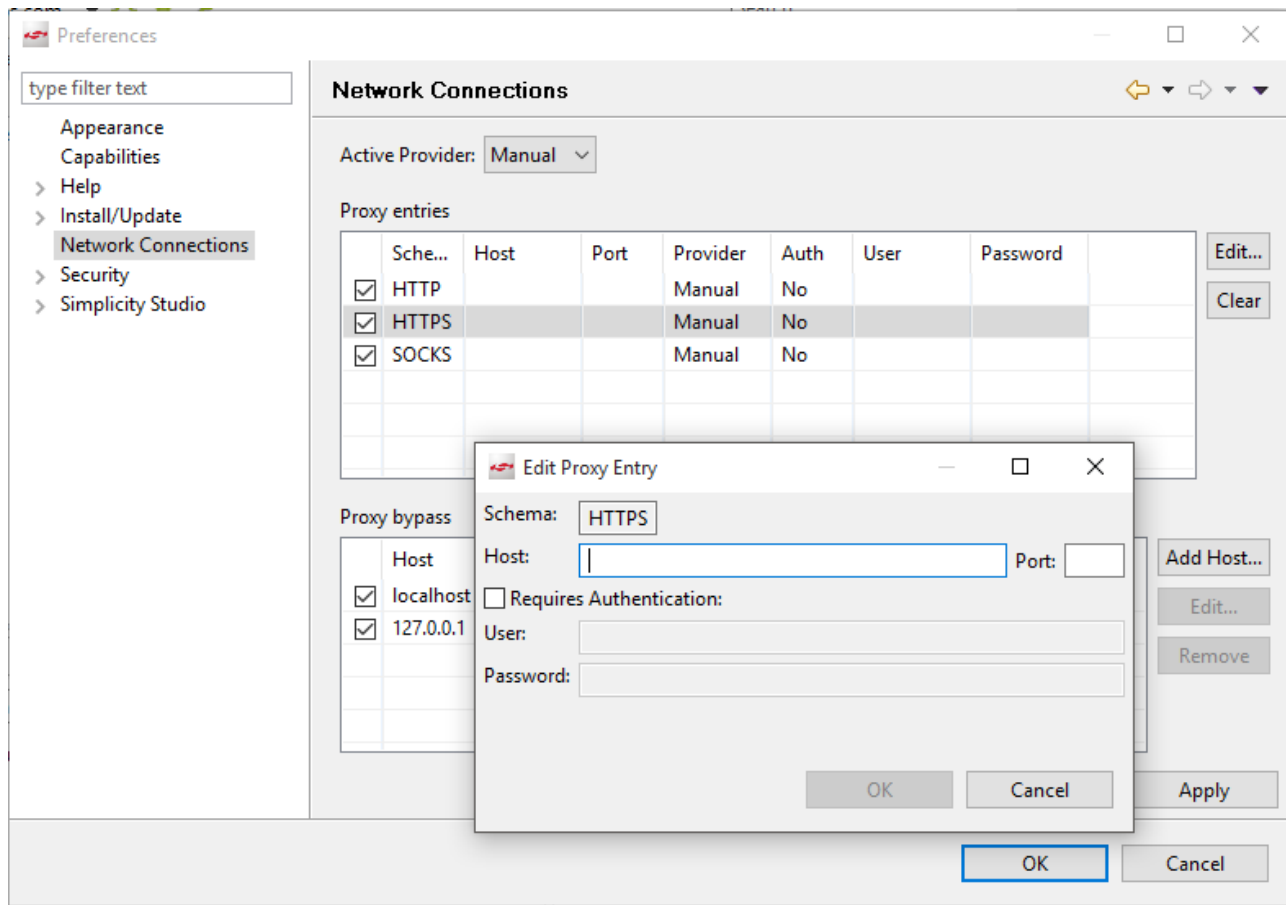
You may also reach the proxy setting dialog by clicking the Settings button on the top-left side of the toolbar (next to the Sign In button). Then navigate to Network Connections.

The easiest setting to use is the “Native” Active Provider setting. With this setting Simplicity Studio will use the proxy server settings from the computer operating system. If Simplicity Studio was able to find the proxy settings they will be highlighted in yellow, enabled, and displayed in the proxy entries box:



If the settings do not appear or they do not match the proxy settings given by the IT department, then the Active Provider drop down box should be set to “Manual” and the entries for the proxy server entered for the HTTPS and, if necessary, the SOCKS protocol. Simplicity Studio does not use the HTTP protocol for updates, so it is not necessary to enter the settings for it. The Proxy entries allow the user to specify a proxy server and port. Also enter User and Password information if your proxy server requires authentication. The Proxy bypass items allows users to enter hostnames that are reached directly without going through the proxy server. By default, localhost and 127.0.0.1 should be bypassed (don't use proxy server settings) since these resolve to the local machine (i.e. offline installer files, local archives, etc).

Note that the Proxy entries and Proxy bypass items will not have any effect unless they are checked via selecting the Manual setting.



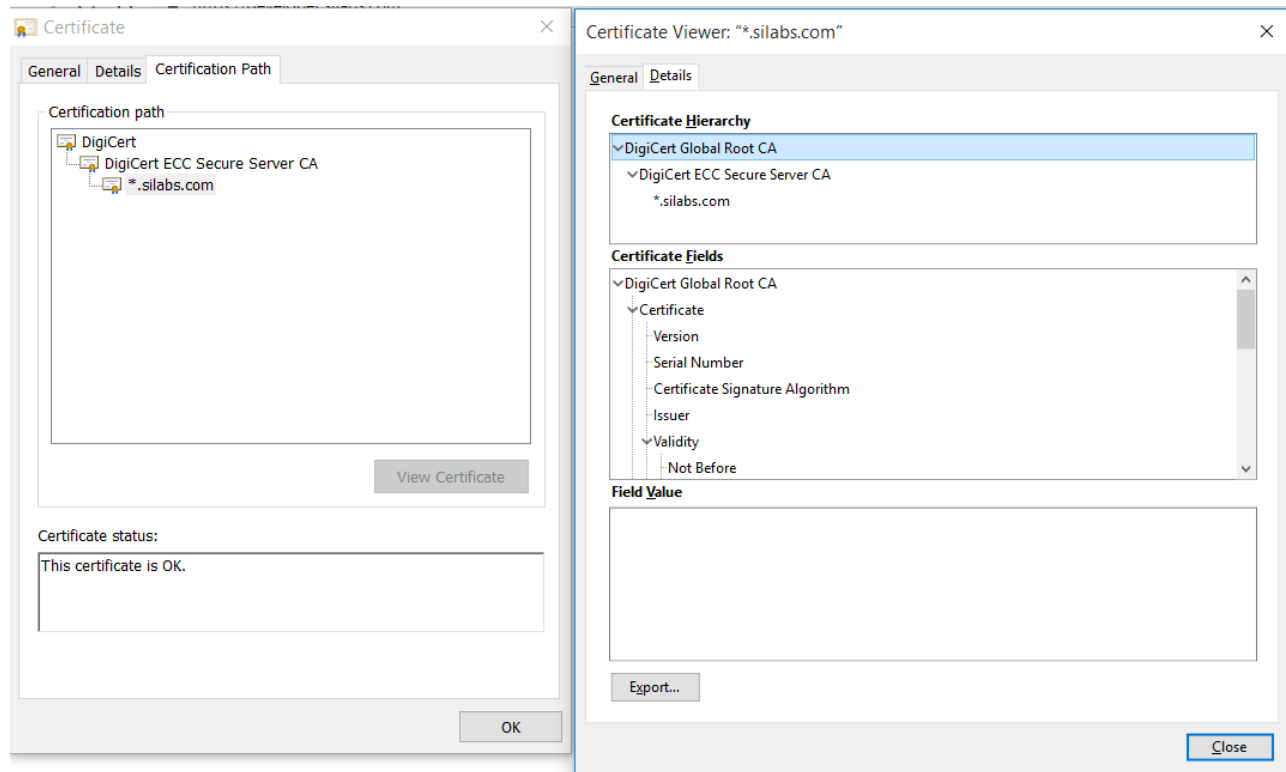
Users who don't require a proxy server should select the Direct setting under the Active Provider dropdown menu to completely bypass the proxy entries.

See the Eclipse documentation for Network Connections on how to configure proxy settings within Studio at:
<http://help.eclipse.org/mars/index.jsp?topic=%2Forg.eclipse.platform.doc.user%2Freference%2Fref-net-preferences.htm>

1.11.2 The Network Monitors SSL Traffic

When a computer is on a company network and the network uses a proxy server to control internet access, the network might also employ "man-in-the-middle" SSL monitoring of the network traffic. Normally this is done by installing a company signed root certificate onto each of the computers by the IT department. This is a common practice that allows the company to intercept internet traffic and inspect it for viruses or company secrets. If this is the case, then the Simplicity Studio installation might need to be modified so that it has access to the company root certificate and can confirm that the certificate path to the Simplicity Studio content servers can be trusted.

Symptoms of this issue include getting an error message such as "Failed to log in please check user name and password. Reason: illegal auth endpoint null". Another error that might indicate this condition is "'Installing Software' has encountered a problem." And the problem details show it was unable to read a repository with a "Read timeout out" error. To confirm this is the reason, open a web browser and paste this URL into the browser: <https://developer.silabs.com>. On the resulting web page, click on the lock icon and view the certificate details. If the certificate is not issued by DigiCert with one intermediate certificate by DigiCert ECC Secure Server CA, then there is a man-in-the-middle certificate(s). In the screenshot below, the image on the left is from Google Chrome and the one on the right is from Mozilla Firefox for the case where there is no man-in-the-middle certificate:



If there is a man-in-the-middle certificate, then Silicon Labs recommends you contact your IT department or secure internet provider to get their recommendation on how to handle this situation. Some alternative approaches are detailed below, but Silicon Labs recommends that you consult your IT department before following any of the suggested approaches.

Method 1 Import SSL certificates into the Simplicity Studio Java Runtime Engine (JRE)

The SSL security certificates need to be imported into the Java runtime engine (JRE) that Simplicity Studio uses.

1. First exit Simplicity Studio.
2. Simplicity Studio needs access to the certificates for these two urls:

<https://developer.silabs.com>

<https://siliconlabs.force.com>

For some SDKs, the certificate for this URL might also be needed:

<https://secure-private-ga.s3-accelerate.amazonaws.com>

3. Open each URL in a web browser and verify the site has the secure (lock) icon.
4. Export first the Root certificate (top level certificate).

Exporting certificates seems slightly easier with Firefox, but can be done with any browser. If the root certificate is the same for any of the URLs after the first one, then it does not need to be exported again, but if any of the intermediate certificates are different then they would need to be exported. With Firefox, you click the 'info' circle to the left of the lock icon which is left of the url, then expand the connection details and select "More Information", click the "Security" tab and then "View Certificate" and then highlight the top certificate and click the "Export..." link at the bottom and choose a location to save the certificate (save it in the default suggested format).

5. Highlight the next lower certificate, if any, and continue exporting them until all of the certificates in the Certification Path have been exported.

6. Check the other URL(s) listed above for any certificates that are different. The root certificate and top level certificates are probably identical so they would not need to be exported again.

7. To import certificates to Java, open a terminal or command prompt window and use the change directory ('cd') command to navigate to the Simplicity Studio JRE folder. The path will vary depending on the operating system

64-bit Windows

```
cd [SimplicityStudioInstallation]\features\com.silabs.external.java.windows.x86_64.feature_1.8.0.92\jre\bin
```

Default:

```
cd C:\SiliconLabs\SimplicityStudio\v4\features\com.silabs.external.java.windows.x86_64.feature_1.8.0.92\jre\bin
```

32-bit Windows

```
cd [SimplicityStudioInstallation]\features\com.silabs.external.java.windows.x86.feature_1.8.0.92\jre\bin
```

Default:

```
cd C:\SiliconLabs\SimplicityStudio\v4\features\com.silabs.external.java.windows.x86.feature_1.8.0.92\jre\bin
```

macOS

```
cd /Applications/Simplicity Studio.app/Contents/Eclipse/jre/Contents/Home/bin
```

Linux

```
cd /home/[USERNAME]/SimplicityStudio_v4/jre/bin
```

8. Now use the 'keytool' to import each of the downloaded certificates into the JRE keystore:

```
keytool -importcert -alias [ALIASNAME] -keystore ..\lib\security\cacerts -file [PATH_TO_CERTIFICATE_FILE] -storepass changeit
```

ALIASNAME is the name to assign to this certificate in the keystore. It can typically be the basename of the certificate .crt file. 'changeit' is the default password that is used for keystore vault access.

Method 2 Modify Simplicity Studio .ini File to Access the Operating System Truststore

Again, before using this method verify that this method is approved by your IT department.

Use a text editor on the file studio.ini located in the Simplicity Studio installation folder. Add these two lines at the end of the file:

For Windows:

```
-Djavax.net.ssl.trustStore=NUL
```

```
-Djavax.net.ssl.trustStoreType=Windows-ROOT
```

For macOS*:

```
-Djavax.net.ssl.trustStore=NUL
```

```
-Djavax.net.ssl.trustStoreProvider=Apple
```

```
-Djavax.net.ssl.trustStoreType=KeychainStore
```

*This has not yet been confirmed to work by a Mac User.

Method 3 Use an Offline Installer

*This would involve using one of the offline installation methods described in the next section.

2. Requesting Access to Offline Simplicity Studio Installations

Because not all Silicon Labs customers use Simplicity Studio, each customer account does not automatically have access to the Simplicity Studio offline options. Access will be granted to any customer registered at www.silabs.com by making a request through a support case as described in this section.

2.1 Request for Access to Simplicity Studio Offline files

If a customer needs to install Simplicity Studio using one of the offline methods, they should create a support case from their Silicon Labs account (log in at <http://www.silabs.com> and then go to [Account] from the drop-down menu next to the username). Enter “Request access to Simplicity Studio Offline Installation” in the Subject line. In the Type field, select Software or License Access Request. In the Part Number field, select “Simplicity Studio – IDE”. In the Description field, it would be helpful to list the desired product groups to be installed to allow a better support response for what files will be needed to support the desired groups.

3. Using the Simplicity Studio Offline Installers

Silicon Labs developed the Simplicity Studio offline installers to give customers a simple way to install Simplicity Studio in an offline environment. The self-contained offline installers are executed (or unarchived for Linux installations) and the user only has to specify the installation location (or accept the default location) and the various license agreements and then the installation will start. After the installation completes Simplicity Studio will be launched automatically.

3.1 Download the Desired Offline Installer

After access to the Offline Installers has been granted from the support case, use a PC with internet access to log in to the Silicon Labs website and go to your account page. Near the top of the screen there should be a new “Simplicity Studio” tab next to the “Cases” or “Software Releases” tab. The tab contains both the Offline Installers and the Offline Installer Archives.

The filter can be changed from [All Software] to [Offline Installers] to restrict the list of download options that are shown. Refer to the figure below.

The screenshot shows the Silicon Labs website interface. At the top left is the Silicon Labs logo. Below it are navigation menus: About, Products, Solutions, and Community & Support. On the right, there are links for Parametric Search and Cross-Reference Search. The main content area has a navigation bar with tabs for Home, Cases, and Simplicity Studio. A dropdown menu is open under the Simplicity Studio tab, showing options: All Software, Offline Archives, and Offline Installers. The Offline Installers option is selected. Below the dropdown is a table of offline installers with columns for Name, Description, and Download Archive.

Name	Description	Download Archive
ZWave Windows Installer	Offline Simplicity Studio installer for the ZWave family on Windows	Download Now
ZWave Mac Installer	Offline Simplicity Studio installer for the ZWave family on Mac	Download Now
ZWave Linux Installer	Offline Simplicity Studio installer for the ZWave family on Linux	Download Now
BLE-Proprietary-ZWave Windows Installer	Offline Simplicity Studio installer for the BLE-Proprietary-ZWave family on Windows	Download Now
BLE-Proprietary-ZWave Mac Installer	Offline Simplicity Studio installer for the BLE-Proprietary-ZWave family on Mac	Download Now
BLE-Proprietary-ZWave Linux Installer	Offline Simplicity Studio installer for the BLE-Proprietary-ZWave family on Linux	Download Now
Proprietary Windows Installer	Offline Simplicity Studio installer for the Proprietary family on Windows	Download Now
Proprietary Mac Installer	Offline Simplicity Studio installer for the Proprietary family on Mac	Download Now
Proprietary Linux Installer	Offline Simplicity Studio installer for the Proprietary family on Linux	Download Now
BLE Windows Installer	Offline Simplicity Studio installer for the BLE family on Windows	Download Now
BLE Mac Installer	Offline Simplicity Studio installer for the BLE family on Mac	Download Now
BLE Linux Installer	Offline Simplicity Studio installer for the BLE family on Linux	Download Now

Figure 3.1. Offline Installer Filter

The offline installers allow installation of Simplicity Studio with support for either a specific product group or for support of one or more of the various wireless protocols. There are offline installers for each of the supported operating systems (Windows, macOS and Linux). Select the desired installer from this list of options:

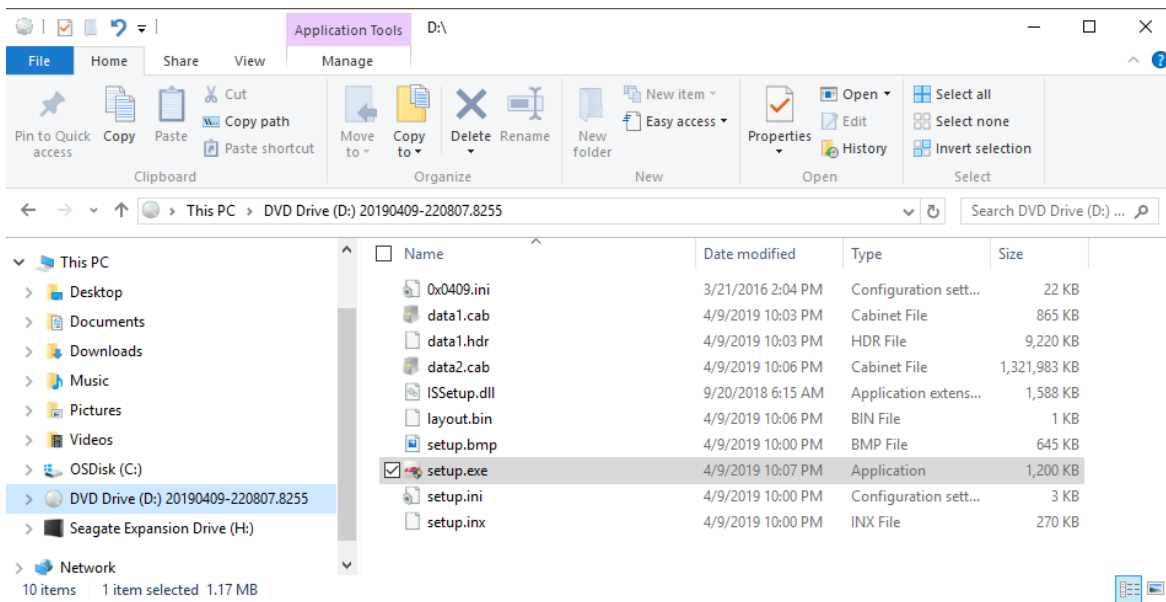
- BLE – Bluetooth SDK, Bluetooth Mesh SDK and EFR32 device, BGM, MGM module support.
- C8051-EFM8 – 8051 SDK, Silicon Labs 8051 and EFM8 device support.
- FFD – Fixed Function Device support. This installs the XpressConfigurator tool and the interface parts it supports.
- Sensor – This installs support for optical and Hall Effect sensors.
- Z-Wave – This installs support for the Z-700 products and the Z-Wave SDK.
- Wireless – If available, this will install support for all wireless protocol SDKs and EFR32 devices and wireless modules (BGM, MGM, ZGM). Because some of the SDKs (EmberZNet and Thread) are not publicly available, this installer is not available to all customers.
- EFM32 – This installs EFM32 device support and the Gecko MCU SDK.
- Proprietary – Flex SDK and EFR32 device and wireless module (BGM, MGM) support.
- Thread - Because this SDK is not publicly available, this installer is not available to all customers.
- EmberZNet - Because this SDK is not publicly available, this installer is not available to all customers.
- BLE-Proprietary-ZWave – This installs support for all the public wireless SDKs (Bluetooth, Bluetooth Mesh, Flex, ZWave) and EFR32 devices and wireless modules (BGM, MGM, ZGM).

3.2 Install Simplicity Studio using the Offline Installer

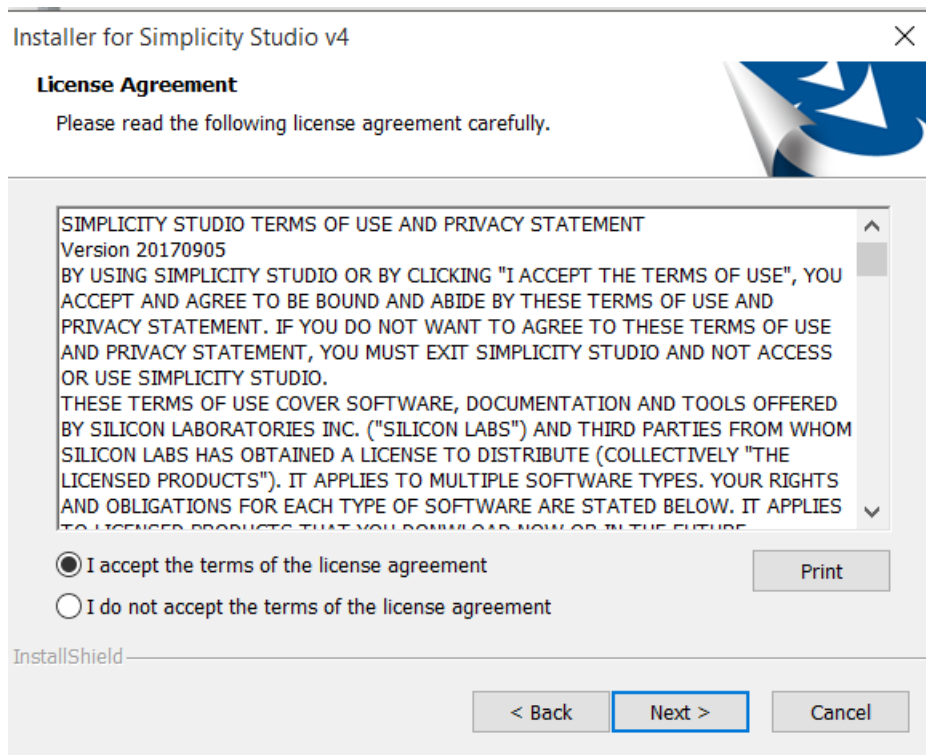
Copy the downloaded offline installer file to the offline computer and then complete the instructions in the following sections, based on the operating system being used.

3.2.1 Windows

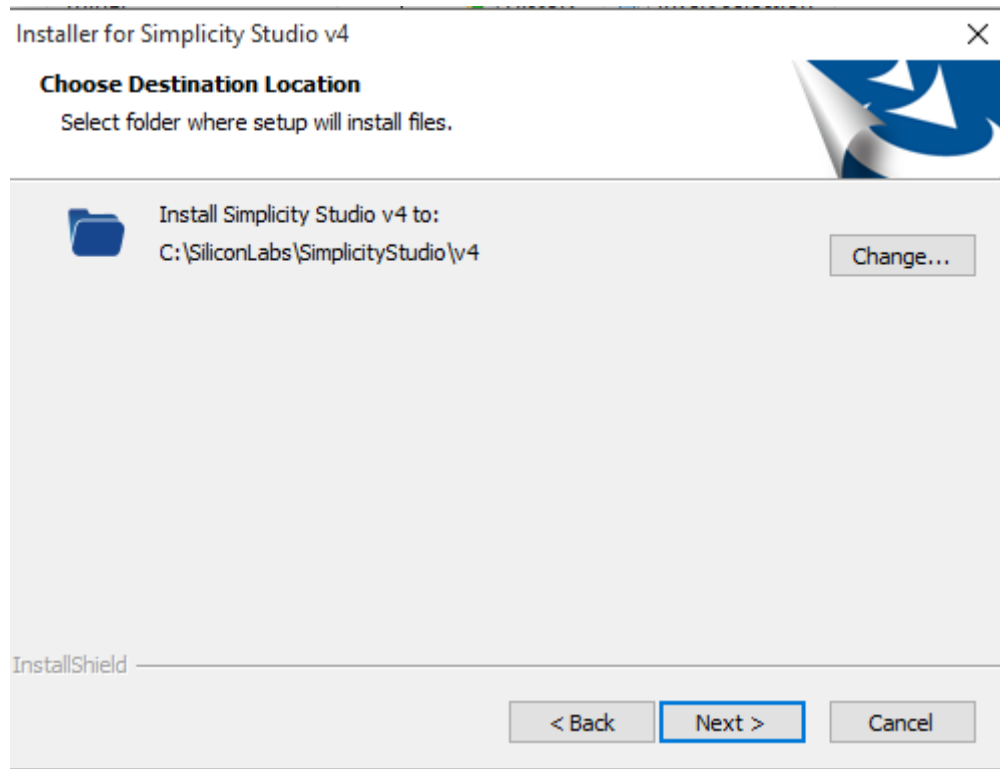
Double click the .exe or .iso file. An iso file is used if the installer is too big to be supplied as an .exe file. Double clicking the .iso file will mount it as a DVD drive:



Then double-click the setup.exe file to launch the installer. A prompt will appear to accept the license agreement:



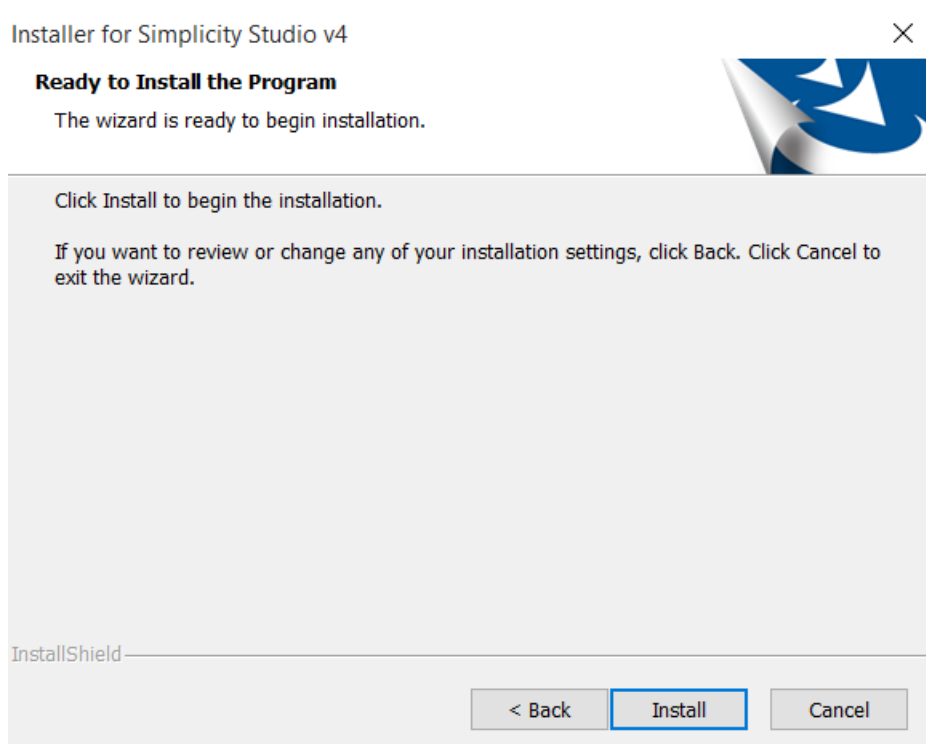
Accept the license agreement and then click [Next] to select the installation location:



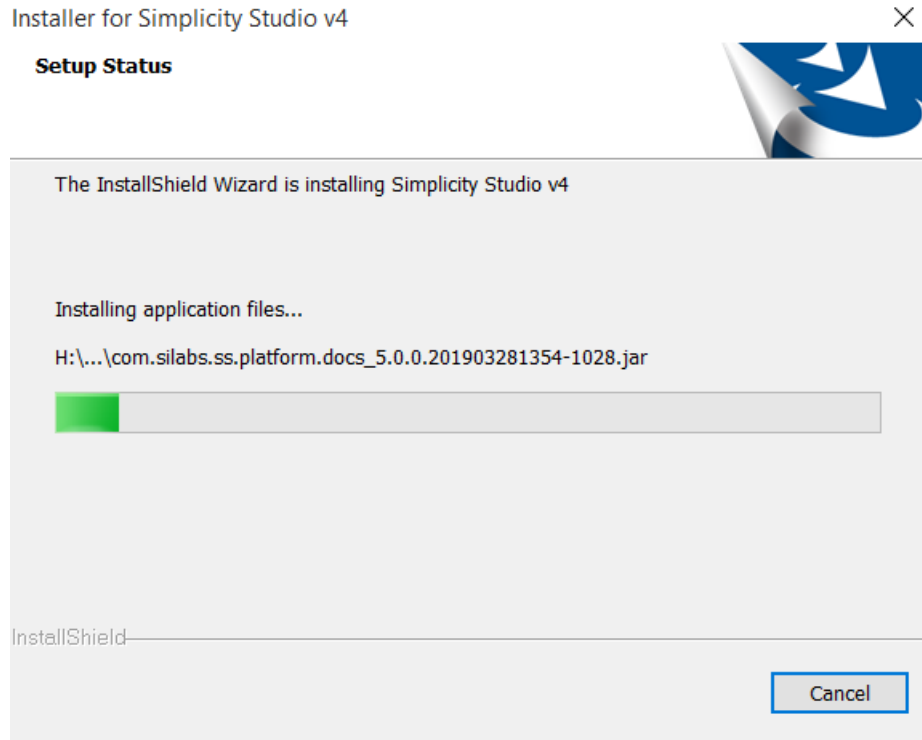
If this is the only Simplicity Studio installation the default location of C:\SiliconLabs\SimplicityStudio\v4 will be suggested. Silicon Labs recommends using the default location unless there is a good reason to use a different location.

Note: On Windows, if the installation path is too long (more than 37 characters), the installation will fail.

After clicking [Next], a final review screen is presented before the installation starts:

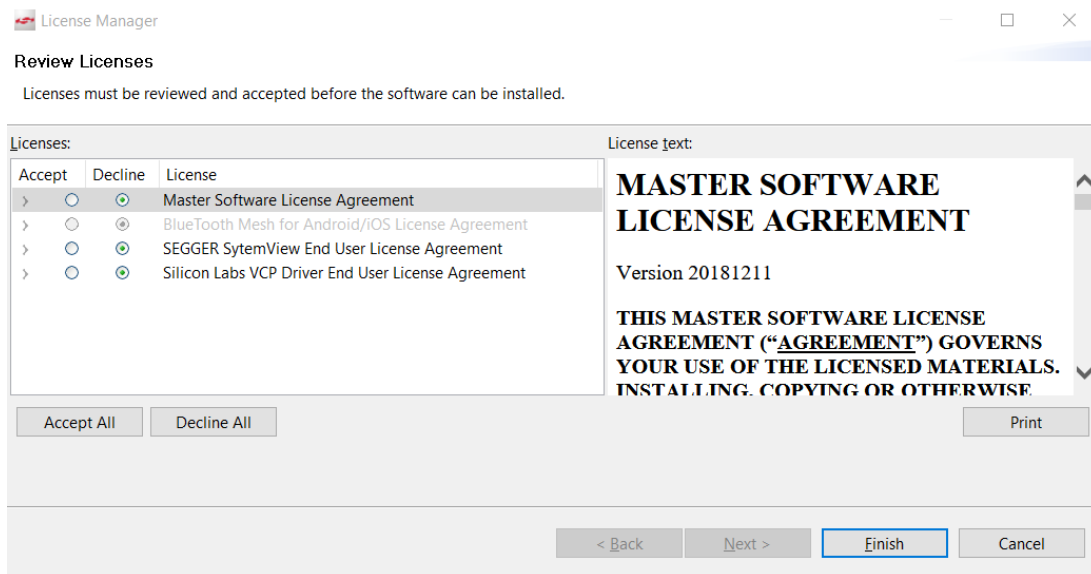


After clicking [Install], Simplicity Studio will be installed to the chosen location and a progress bar will track the installation progress:

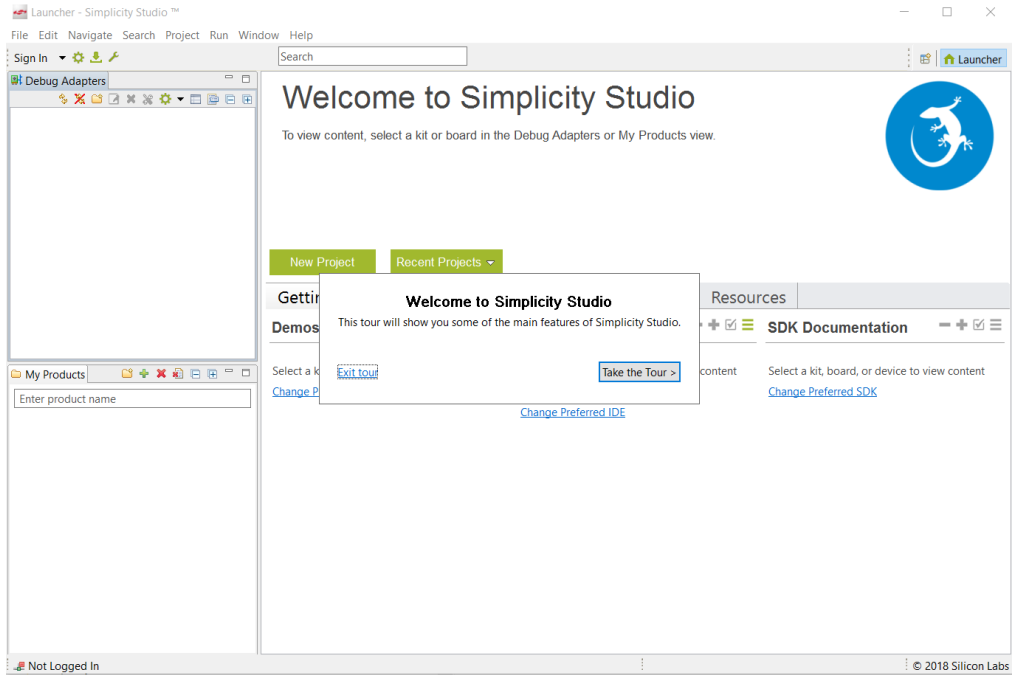


Once the installation finishes, Simplicity Studio will automatically be started and a prompt to accept the various software licenses is displayed:

The licenses will vary based on the product group being installed:

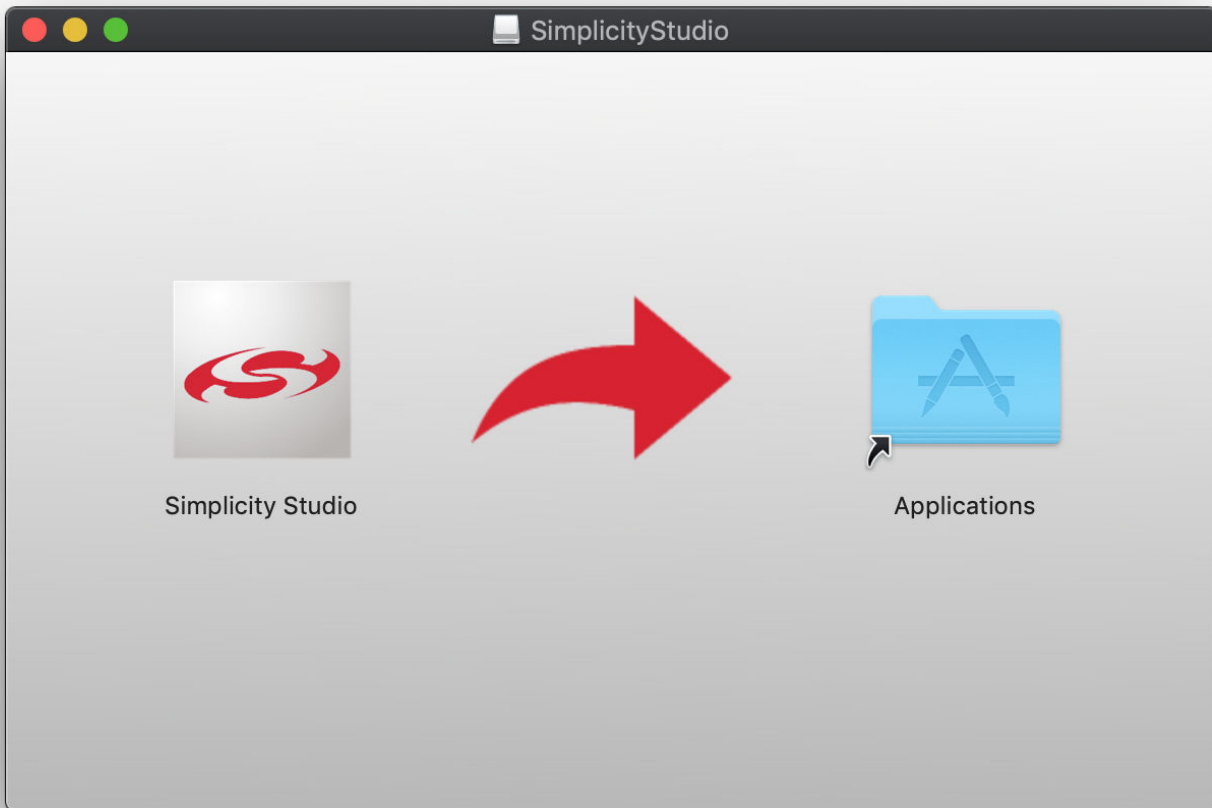


After accepting the license agreements, the Simplicity Studio Welcome screen appears with an option to take a brief tour of Simplicity Studio:



3.2.2 macOS

For the macOS, double-click the downloaded .dmg file to mount the file. Drag the Simplicity Studio application icon to the Applications folder. The file will be verified and then copied. After that completes, start Simplicity Studio from the Launchpad or use Finder to open the Applications folder and start Simplicity Studio from Finder.



3.2.3 Linux

The offline installer download is a zipped tar file that should be expanded in the user's home directory. Follow the directions in the README.txt file to make sure the Linux installation is updated before running the setup.sh script to install the external packages required by Simplicity Studio. Start Simplicity Studio by using the 'run_studio.sh' script. Accept the license terms and then Simplicity Studio will be ready to be used for development.

Note: Official Linux support is only for Ubuntu LTS distributions.

4. Using the Simplicity Studio Offline Archive Files

1. After access to the Offline Archive files has been granted from the support case, use a PC with internet access to download the latest Simplicity Studio installer (install-studio-v4.exe) from the <https://www.silabs.com/products/development-tools/software/simplicity-studio> URL.
2. Log in to the Silicon Labs website and go to your account page. Near the top of the screen there should be a new “Simplicity Studio” tab next to the “Cases” or “Software Releases” tab.

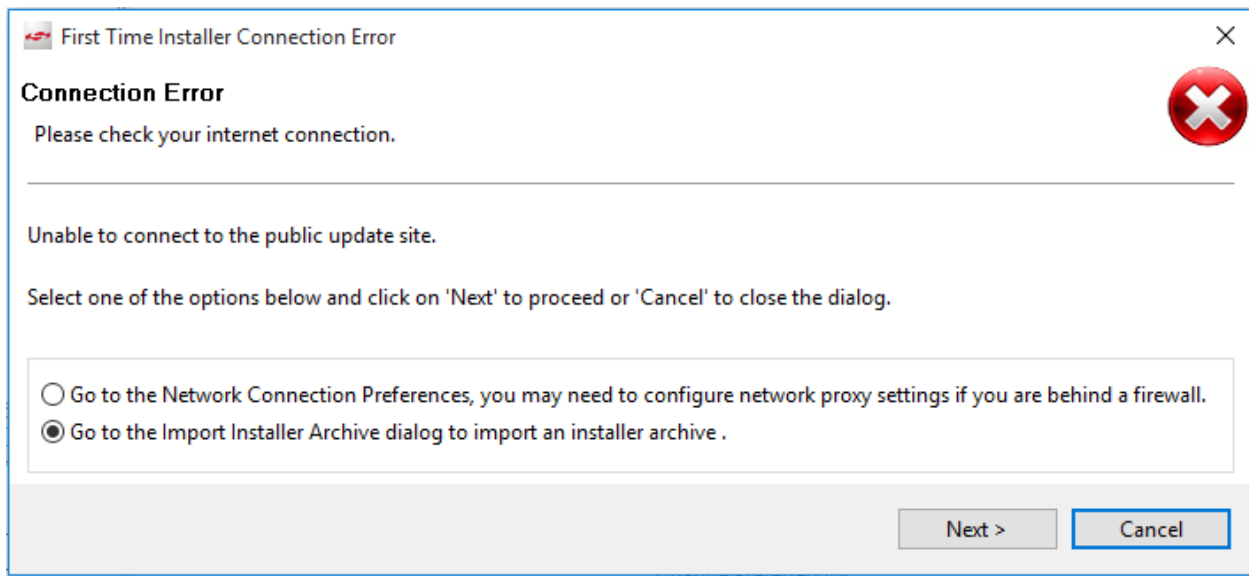
The screenshot shows the Silicon Labs website interface. At the top, there are navigation menus for 'About', 'Products', 'Solutions', and 'Community & Support'. Below these are search options for 'Parametric Search' and 'Cross-Reference Search'. The main navigation bar includes 'Home', 'Cases', 'Software Releases', 'Simplicity Studio' (which is highlighted), and 'Sales Guide'. On the left side, there are sections for 'Sales Guide', 'Recent Items', and 'Account' with links like 'My Profile', 'Manage Notifications', 'Manage Community Settings', 'Change My Password', and 'Logout'. The main content area features a dropdown menu set to 'Offline Archives' and a 'Filter' button. Below this is a table with columns for 'Name', 'Description', and 'Download Archive'. The table lists several offline update sites for Micrium Components, Private SDKs, Wireless, Public SDKs, C8051-EFM8, Fixed Function Device, EFM32, and Sensors, each with a 'Download Now' button.

Name	Description	Download Archive
Offline update site for Micrium Components	Offline archive to install or update Micrium components for registered users (TPC, File System, USB Device, USB Host, CANOpen)	Download Now
Offline update site for Private SDKs	Offline archive to install or update SDKs for registered mesh kit customers (Thread, EmberZNet)	Download Now
Offline update site for Wireless	Offline archive to install or update Simplicity Studio Wireless software	Download Now
Offline update site for Public SDKs	Offline archive to install or update SDKs for registered users (Bluetooth, Flex, BT Mesh, MOS Kernel)	Download Now
Offline update site for C8051-EFM8	Offline archive to install or update Simplicity Studio C8051-EFM8 software	Download Now
Offline update site for Fixed Function Device	Offline archive to install or update Simplicity Studio FFD software	Download Now
Offline update site for EFM32	Offline archive to install or update Simplicity Studio EFM32 software	Download Now
Offline update site for Sensors	Offline archive to install or update Simplicity Studio Sensors software	Download Now

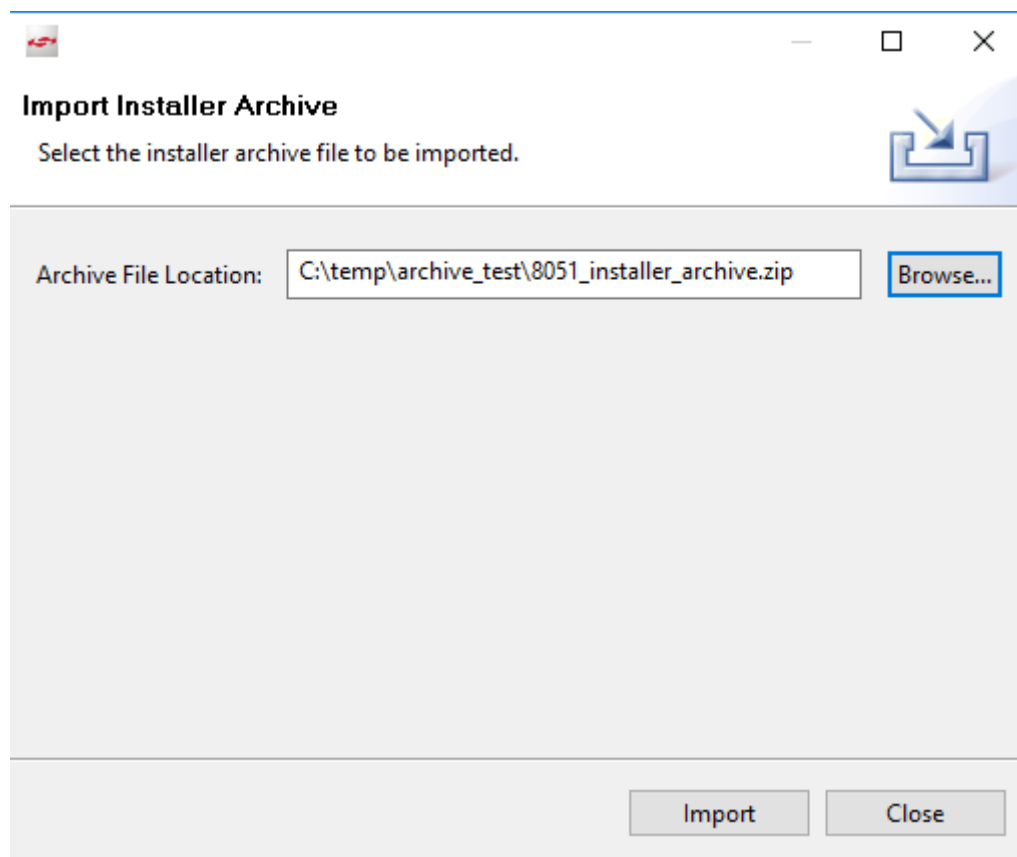
3. Click the “Simplicity Studio” tab and then click the small down arrow to the left of the [Filter] button and select “Offline Archives”. Next, click the [Filter] button.
4. Click the “Download Now” link for each of the desired Installer Archives.
5. Copy the install-studio-v4.exe and *_archive.zip files to a known location on the offline machine.

5. Using the Simplicity Studio Installer and the Offline Archive Files in an Offline Installation

1. Run the Simplicity Studio installer (install-studio-v4.exe).
2. After the installation completes and Simplicity Studio is launched, the “Welcome to Simplicity Studio” dialog will be displayed. Click on the “Skip log in for now” link.
3. When the Connection Error dialog box appears, select the “Go to Import Installer Archive dialog...” radio button and click [Next]:



4. Click [Help] > [Import Installer Archive].
5. In the dialog box that appears, click on the Browse button and navigate to where the installer archive file is located. Highlight the file and click [Open].

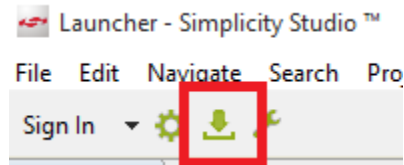


6. Click the [Import] button. The asset files stored in the archive will be imported. This consists of all the data sheets, application notes, configurator files, debug information, etc., for the entire product family so it can take a few minutes to import.

Note: When importing the SDK offline archive files, the control will return immediately as these archive files are just added as an available update site to be used by the installation wizard.

7. Repeat steps 8 to 10 for any additional installer archive files.

8. Click the Update icon:



And then follow the basic installation steps described for the online installation method (section [1.4 Device Inspector Installation](#)).

9. Any evaluation kits or other boards can now be attached to the computer and development with Simplicity Studio can begin.

10. If software updates are needed in the future, a new offline installation archive file can be downloaded following the process described in this document. If it is desired to add a new version of the Gecko SDK Suite and some of its SDKs, then the "Offline archive for Wireless" file must be downloaded and imported in addition to the SDK archive file(s). The Wireless archive contains the necessary Simplicity Studio updates as well as the Gecko Platform that is the base package on which all of the Gecko SDKs rely.

6. Extending a Simplicity Studio Offline Installation using Online Updates

The offline installers are geared to supporting the major product groups. If support is required for a combination of product groups not provided by an offline installer, then the offline installation will need to be extended. The easiest way to do that is to use the online update mechanism by clicking the [Update Software] icon from the Launcher perspective (or selecting [Help] > [Update Software]), selecting [Install by Product Group], checking the box for any additional product groups for which support is needed, and completing the update. Refer to section [1.6 Install by Product Group Details](#) for more details.

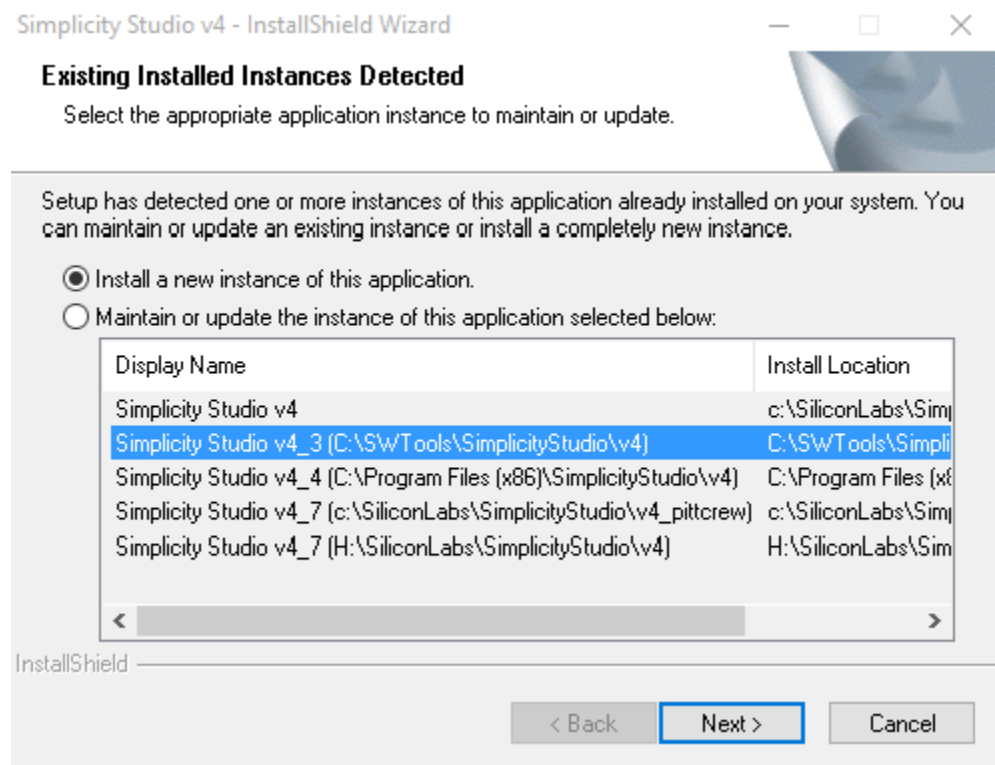
7. Extending a Simplicity Studio Offline Installation using Offline Installer Archive Files

If support for products beyond what is supplied in the offline installer is needed and the online update is not possible, then the offline archive files can be used to extend a Simplicity Studio installation. The required offline archive files should be downloaded and then the procedure specified in section 4. [Using the Simplicity Studio Offline Archive Files](#) should be followed.

8. Using the Simplicity Studio Installer and the Offline Archive Files in an Online Installation

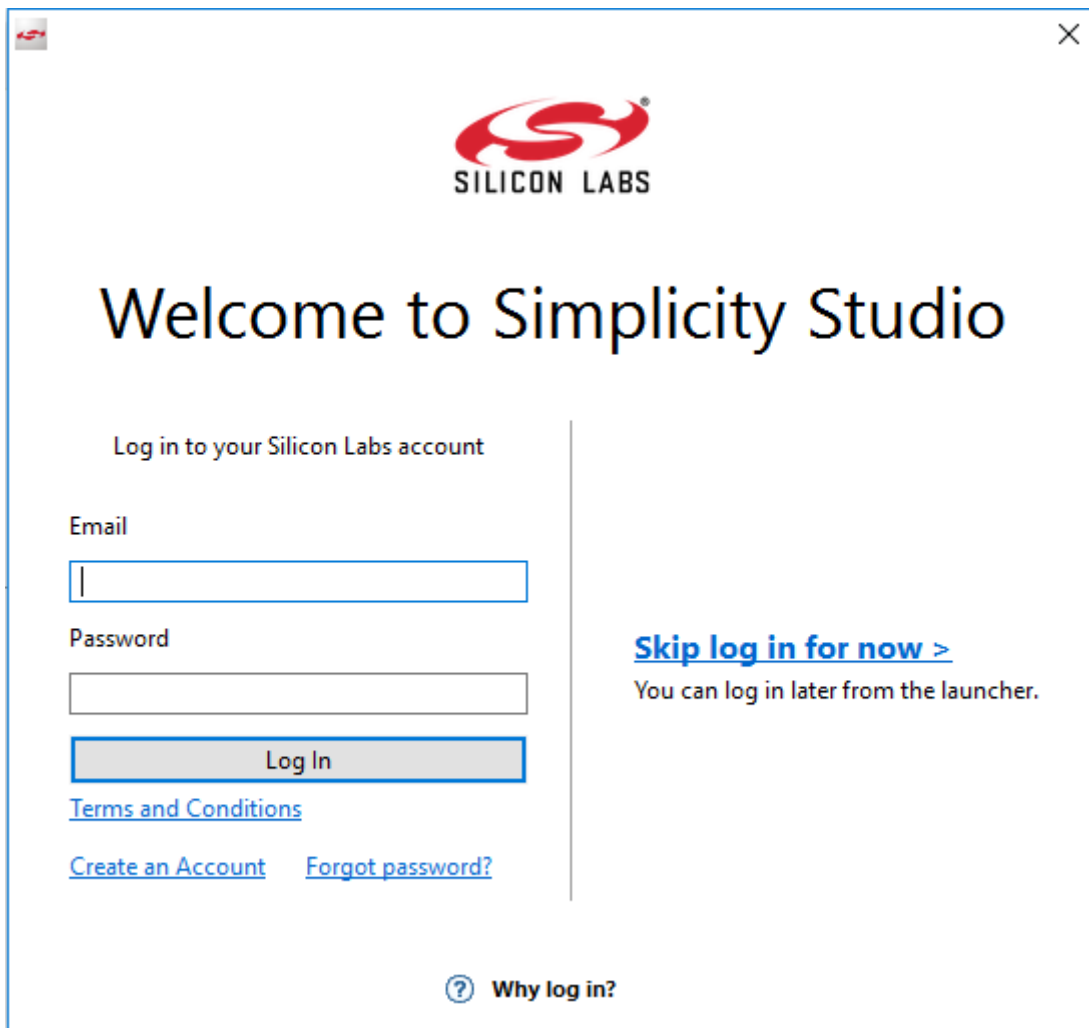
First, if operating in an online environment, it is recommended to install Simplicity Studio using the online update sites as this is how Simplicity Studio has been designed to minimize the installation size on disk and to make it easy to keep Simplicity Studio up to date with the latest content. However, there are some circumstances where the Offline Installation Archive files need to be used and the PC being used does not have internet access. In this case, the following steps will create a Simplicity Studio installation using the archive files instead of the online content.

1. Launch the Simplicity Studio installer (install-studio-v4.exe), the same one as in the offline installation case.
2. If the dialog box “Existing Installed Instances Detected” is displayed, click the “Install a new instance of this application” and click [Next]. The location to be used can be adjusted in a later dialog box.



3. Continue the installation by accepting the License agreement.
4. Now choose where to install Simplicity Studio and click the “Install” button to begin the installation.

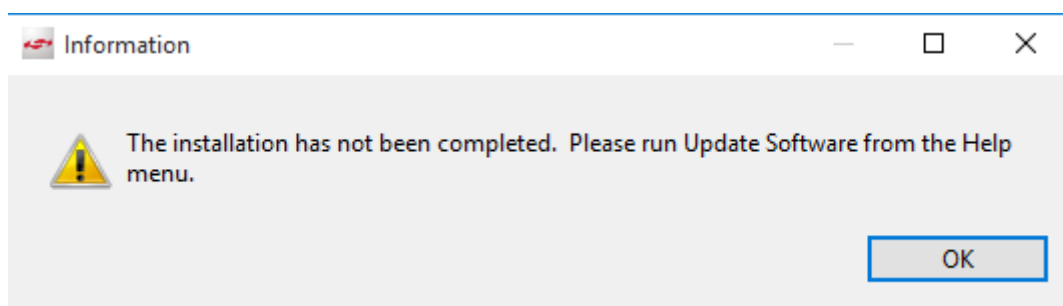
5. When prompted to log in, click the “Skip log in for now” link.



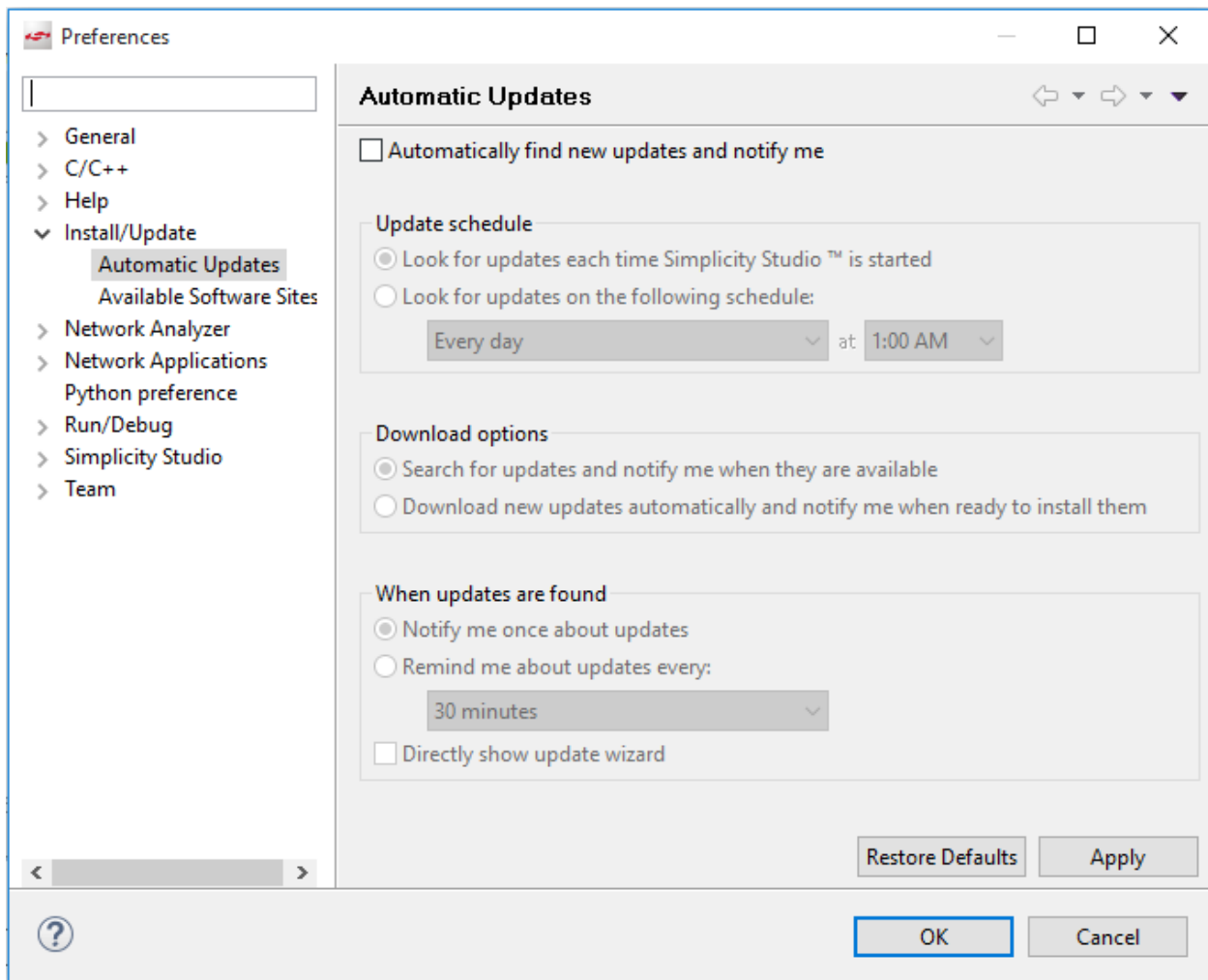
The screenshot shows a login window for Silicon Labs. At the top center is the Silicon Labs logo, which consists of a red stylized 'S' above the text 'SILICON LABS'. Below the logo, the text 'Welcome to Simplicity Studio' is displayed in a large, black, sans-serif font. Underneath, the instruction 'Log in to your Silicon Labs account' is followed by two input fields: 'Email' and 'Password'. A 'Log In' button is positioned below the password field. To the right of the input fields, there is a blue link that says 'Skip log in for now >' with the text 'You can log in later from the launcher.' below it. At the bottom left, there are links for 'Terms and Conditions', 'Create an Account', and 'Forgot password?'. At the bottom center, there is a question mark icon followed by the text 'Why log in?'.

6. Cancel the installation as soon as possible after skipping the log in.

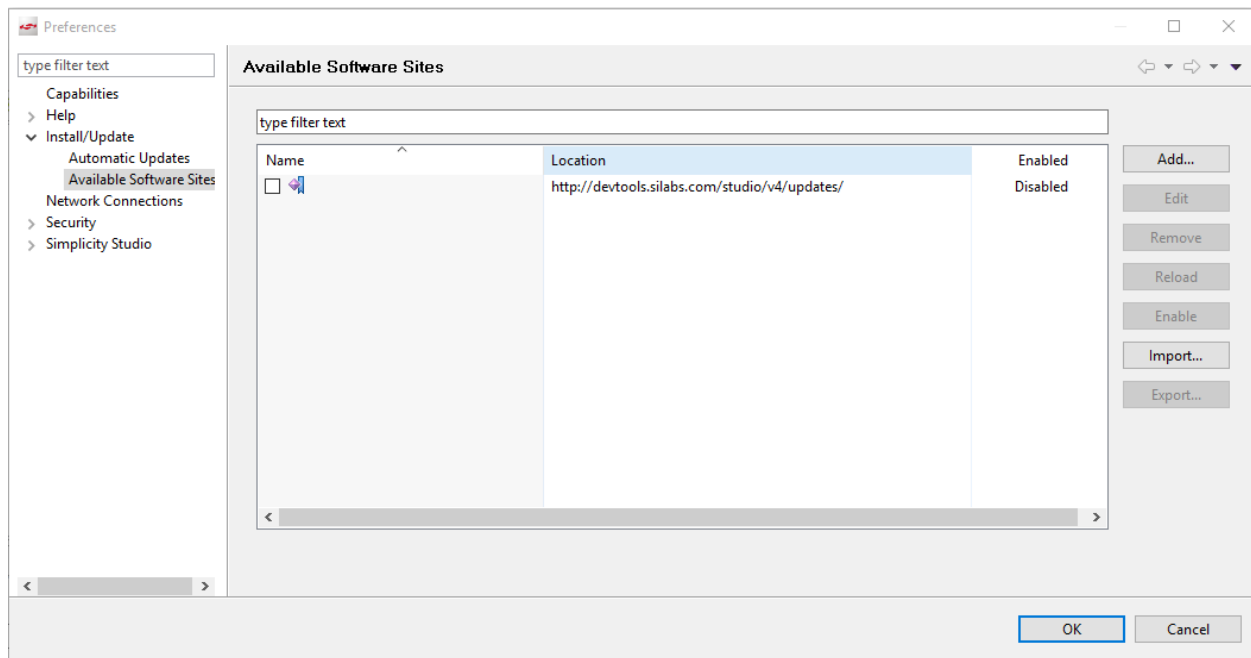
7. When the warning that the installation has not been completed is displayed, click the “OK” button.



8. Disable Automatic Updates by clicking the Settings (gear) Icon and then expanding the “Install/Update” group, click “Automatic Updates” and uncheck the box next to “Automatically find new updates and notify me”.



9. Disable the Available Software Site <http://devtools.silabs.com/studio/v4/updates/> by clicking the Settings (gear) icon and then expanding the “Install/Update” group, clicking “Available Software Sites”, and unchecking the box next to the above URL. This step is recommended so that the online update sites aren’t checked when Simplicity Studio is started up, otherwise the user could be prompted to install updates from the online site and overwrite the offline installed components.



10. After making sure the necessary Offline Installer Archive files are downloaded following Offline Installation steps 1 and 2 in section 4. [Using the Simplicity Studio Offline Archive Files](#), continue the installation following the Offline Installation steps starting at step 4 in section 5. [Using the Simplicity Studio Installer and the Offline Archive Files in an Offline Installation](#).

9. Revision History

Revision 0.1

May, 2019

- Initial release.