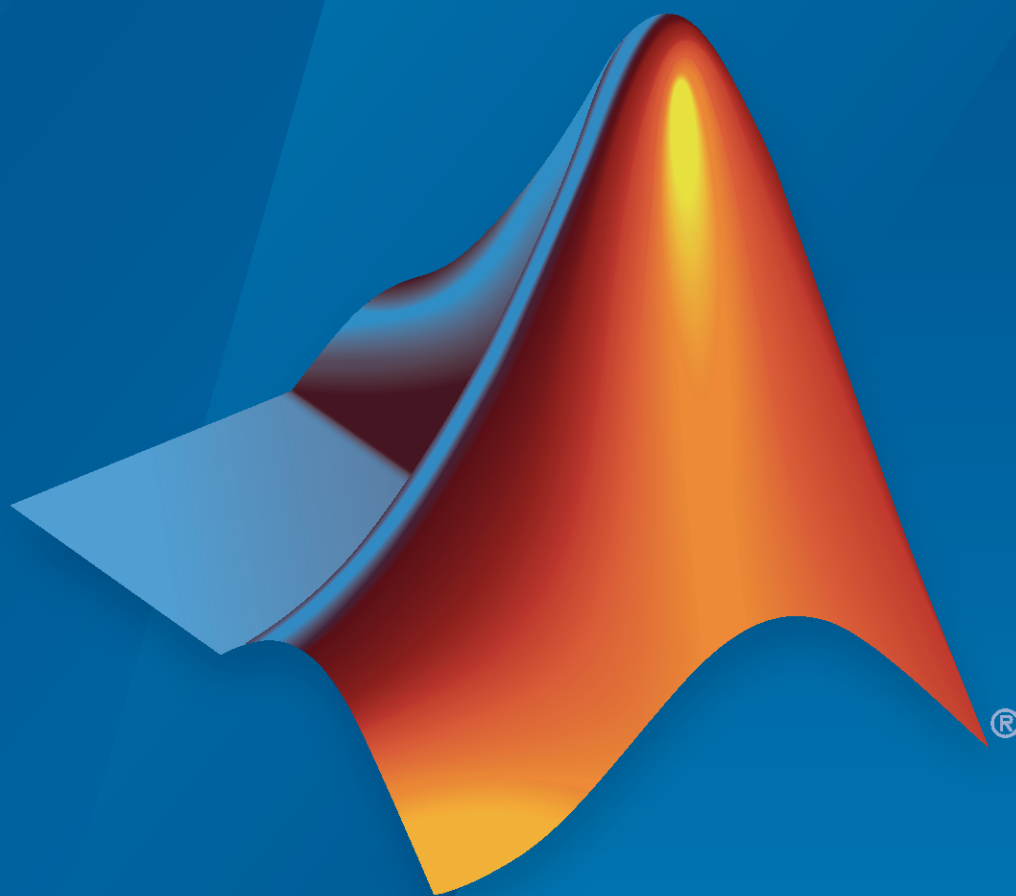


Installation and Licensing

Installation Help



MATLAB® & SIMULINK®

R2025b



How to Contact MathWorks



Latest news: www.mathworks.com

Sales and services: www.mathworks.com/sales_and_services

User community: www.mathworks.com/matlabcentral

Technical support: www.mathworks.com/support/contact_us



Phone: 508-647-7000



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MathWorks Installation Help

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September 2020	PDF only	Revised for MATLAB 9.9 (Release 2020b)
March 2021	PDF only	Revised for MATLAB 9.10 (Release 2021a)
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MathWorks Product Installation

This chapter describes how to install MathWorks® products.

Security Considerations for Installing MathWorks Products

When installing MATLAB and other MathWorks products using the installer available from MathWorks Downloads, keep the following security considerations in mind.

Use a Secure Location

When running the installer, ensure that it is executed in a secure location to which only authorized users have write access. Avoid using universally writable directories, such as `\tmp` or `C:\Windows\Temp`, to mitigate the risk of unauthorized modification or exploitation.

Limit Privileges When Possible

Run the installer with the minimum necessary privileges. Avoid using administrative accounts unless required for the installation process. This practice minimizes the potential impact of any malicious exploitation.

Monitor the Installation Process

Be vigilant during the installation process. If the installation requires administrative privileges, ensure that you trust the source and are aware of the actions being performed.

See Also

Related Examples

- “Download and Install MATLAB” on page 1-3
- “Install Products on Offline Computer” on page 1-10
- “What Is MathWorks Service Host?”

Download and Install MATLAB

You can install MATLAB, Simulink, and accompanying toolboxes and blocksets on your personal Windows, Linux, or macOS computer by downloading and running the interactive MATLAB installer. Before you download and install MATLAB, check that your computer meets the system requirements for your platform:

- MATLAB System Requirements for Windows
- MATLAB System Requirements for Linux
- MATLAB System Requirements for Mac

Download Installer

Download the installer for your platform and MATLAB release from the link below:

Download for Windows, Linux, or Mac MathWorks Downloads Page (sign-in required)

- If you have a MATLAB license through your organization, use your organization's email address to sign in.
 - If you obtained a license from the MathWorks Store, sign in to the account you used to obtain the license.
-

Install MATLAB

Using the downloaded installer, follow the instructions in the table below for your platform. When installing products, use a secure location, limit privileges when possible, and monitor the installation. For more details, see “Security Considerations for Installing MathWorks Products”.

Platform	Instructions
Windows	To install MATLAB on Windows, follow these steps: 1 Double-click the installer downloaded from the MathWorks Downloads page. 2 Follow the prompts to complete the installation. Default installation folder: C:\Program Files\MATLAB\R20XXy To start MATLAB after the installation is complete, see “Start MATLAB on Windows Platforms” (MATLAB).

Platform	Instructions
Linux	To install MATLAB on Linux, follow these steps: Unzip the installer files downloaded from the MathWorks Downloads page and navigate to the unzipped folder. For example, use these commands to unzip the installer for release R2025b to a folder of the same name, and then navigate to the folder. <pre>unzip matlab_R2025b_Linux.zip -d ./matlab_R2025b_ cd ./matlab_R2025b_Linux</pre> In the installation folder, run the <code>install</code> script to open the installer. <pre>xhost +SI:localuser:root sudo -H ./install xhost -SI:localuser:root</pre> <code>sudo</code> is required only when you install products to a folder where you do not have write permissions, which might include the default installation folder. The <code>xhost</code> commands are required only when you install products as the root user with <code>sudo</code>. These commands temporarily give the root user access to the graphical display required to run the installer. Follow the prompts to complete the installation. Default installation folder: <code>/usr/local/MATLAB/R20XXy</code> To start MATLAB after the installation is complete, see “Start MATLAB on Linux Platforms” (MATLAB).

Platform	Instructions
Mac	To install MATLAB on Mac, follow these steps: 1 Unzip the DMG file downloaded from the MathWorks Downloads page. 2 Double-click the unzipped file to mount the installer as a virtual disk. 3 Double-click the installer and follow the prompts to complete the installation. Default installation folder: /Applications/MATLAB_R20XXy.app 4 (<i>Apple silicon Macs only</i>) Install a Java runtime on your Mac. To get a compatible runtime, see MATLAB on Apple Silicon Macs. To start MATLAB after the installation is complete, see “Start MATLAB on macOS Platforms” (MATLAB).

To access additional resources for which you are licensed, go to matlab.mathworks.com and sign in to your MathWorks Account. Resources include MATLAB Online (access MATLAB from a web browser) and online training (self-paced interactive courses).

Troubleshoot Common Installation Issues

If you have trouble installing MATLAB products, review the following common issues that might occur during the installation process. If you continue to have problems, contact support. Provide any error messages, log files, or screenshots related to the problem in your help request.

Internet Connection Issues

If you lose your internet connection while installing, try rerunning the installer. If you continue to have connection issues, see [Why do I get a connection error when installing or activating MATLAB or other MathWorks products?](#)

tmp Folder Not Large Enough

During installation, the MathWorks installer temporarily stores files in the tmp folder of your platform. If you get an error that your tmp folder is not large enough to complete the installation, you can change where the installer stores these files. See [How can I change the temp directory the MATLAB installer uses?](#)

Licensing Issues

During installation, the license you want to select might not be listed. Or, you might be prompted to enter an Activation Key and not have the option to select a license.

- If your MathWorks Account is tied to an organization, such as a company or university, contact your IT department to get the license information needed to complete the installation.
- If your MathWorks Account is not tied to an organization, you might need to purchase a new license or get a trial from the MathWorks Store.

MATLAB Does Not Start

If MATLAB does not start after installation, try following the potential solutions listed in the MATLAB Answer for your platform.

- Why will MATLAB not start up properly on my Windows based system?
- Why will MATLAB not start up properly on my Linux machine?
- Why will MATLAB not start up properly on macOS?

Download Products Without Installing

Download products without installing them immediately (either on the same or a different computer). This procedure is useful when you want to install MathWorks products later, on one or more computers, either connected to the internet or offline. You must have a license linked with your MathWorks Account (this includes trial licenses).

After you download the installer and products, you can install MathWorks products from the download location at any time. If you are using a File Installation Key, make sure the downloaded product files include the installer file and are in a location that an off-network computer can access.

Note To download the installer and product files, you must be using a computer connected to the internet.

Before You Begin

MathWorks Account

To download the product installer, you must have a MathWorks Account or access to one. If you have an individual license, a MathWorks Account was created for you during your purchase.

If you do not have a MathWorks Account, select one of the following procedures determined by your situation:

Your Situation	Action
You are using your university's license.	Go to your institution's portal to install.
You are using your company's (network) license.	After you have created your MathWorks Account, you can continue to "Step 1. Download Installer and Product Files". If your administrator has downloaded the installer and product files, find out where you can access them and then go to "Install Documentation on Permanently Offline Computers".
You are using your company's Enterprise license.	See your license administrator.
You do not have a product license or trial.	Go to the MathWorks Store.

Make Sure Offline System Meets Requirements

If you are planning to install products on an offline machine, make sure the offline system meets System Requirements for MATLAB.

Troubleshoot Connection Issues During Download

If you lose internet connection while downloading, you will need download again. If you continue to have connection issues, consider creating a more reliable internet connection (either moving closer to the router or using an Ethernet cable) or changing machines.

For additional suggestions on diagnosing internet connection issues, see this MATLAB Answer.

Step 1. Download Installer and Product Files

Sign in to your MathWorks Account. If you have Two-Step Verification enabled (in your MathWorks Account), enter the verification code sent to your primary method.

- 1 From the Downloads page on MathWorks, select the release and platform of the computer that you are using to download (not the target computer).
- 2 Start the installer. When prompted to allow the app to make changes, answer **Yes**.
- 3 If prompted again, sign in to your MathWorks Account and accept the MathWorks license agreement.
- 4 From the installer, select **Advanced Options > I want to download without installing**.

Step 2. Select Destination Folder

Enter the path to the folder where you want to download the installer and product files.

When specifying a folder name:

- You can use any alphanumeric character and some special characters, such as underscores.
- You cannot use non-English characters.
- Folder names cannot contain invalid characters and the destination cannot be named “private.”

The destination folder must be on an absolute path.

Step 3. Select Platform

Select the platform of the computer you are going to be installing MATLAB on. You can select multiple platforms, but note that all platforms are downloaded into the same top level folder.

Downloading on Windows for Linux or macOS If you download the installer on Windows for installation on Linux, before you install on the target machine, you must transfer the files to the machine without compressing them in a file, such as a ZIP archive. Otherwise, you get an error after uncompressing the ZIP archive because Windows can't reliably recreate the symbolic links that were created prior to compression. See this MATLAB Answer for details and solutions.

Step 4. Select Products

The Product Selection list shows all the products available across all of your linked licenses.

- To make a particular product available for installation on the target computer, check the box next to its name. MATLAB is selected by default.
- If you do not want to have a particular product available for installation on the target computer, clear the check box next to its name.
- If any of your selected products have a dependency on a product that was not selected, you will get a Product Dependencies warning and you will be asked to add the dependent products.

Dependent products are optional and you can choose to add or not add them. However, while you are still able to install the selected products without dependent products, you may not be able to access all the functionality you require.

- Required products must be installed.

When the software is installed, the products available for installation will depend on what is allowed on the license.

Step 5. Confirm Selections and Download

- 1 Review the summary of your download choices. To change a setting, click the topic on the navigation bar. To proceed with the download, click **Begin Download**.
- 2 When the download is complete, click **Close**.

Step 6. Move Installer and Product Files (Optional)

If the target machine is an offline machine, copy the products files (including the installer file) to the target computer or an accessible location (for example, a USB drive or network share).

Verify that the folder containing the product files includes the following:

- The installer file for the target platform in the root of the folder:
 - **Windows**— `setup.exe`
 - **Linux**—`install`

If you plan to run the installer using the root account, see this MATLAB Answer: [Why can't I install MATLAB with the root account in Linux?](#)

- **macOS (Intel processor)**—`InstallForMacOSIntelProcessor`
- **macOS (Apple silicon)**—`InstallforMacOSAppleSilicon`
- An archives subfolder

If the archives subfolder contains less than three files, you might be missing required files and must download the files again.

Next Steps

The procedure you follow depends on whether or not the target computer is connected to the internet.

- **With internet connection:** use the procedure in “Download and Install MATLAB” on page 1-3
- **Offline:** use the procedure in “Install Products on Offline Computer” on page 1-10

See Also

Related Examples

- “Install Products on Offline Computer” on page 1-10

Install Products on Offline Computer

Use this procedure when you want to install MathWorks products on a computer that does not have an internet connection.

To prepare for this workflow, you must get the following items:

- A File Installation Key and license file. See “Step 1. Get License File and Installation Key”.
- The product installer and product files using the procedure in “Download Products Without Installing” on page 1-7. Make sure you move the installation files along with the license file and file installation key to the target computer.

Downloading on Windows for Linux or macOS If you download the installer on Windows for installation on Linux or macOS, when you install on the target machine, you will get an error because Windows® can't reliably recreate the symbolic links that are included with the UNIX® installers. See this MATLAB Answer for details and solutions.

You must have the correct permissions to install MathWorks software. If you have questions about permissions, ask your system administrator.

Before You Begin

To avoid problems during the installation process, read these important notes before you begin.

Make Sure Your System Meets Requirements

Before you begin, see System Requirements for MATLAB.

Change the tmp directory for installation

To change the tmp folder for installation, see MATLAB® Answer How can I change the temp directory the MATLAB installer uses?

Connection Errors

If you get connection errors while running the installer for an offline workflow, then you most likely do not have all the installation files required to install MathWorks products using a File Installation Key. Using a computer connected to the internet, go to “Download Products Without Installing” on page 1-7 to restart the workflow from the beginning.

Step 1. Get License File and Installation Key

- Individual license users can get their license file and file installation key (FIK) from License Center.

Using a computer with an internet connection:

- 1** Sign in to your MathWorks Account and click the license you want to use.
- 2** Go to the **Install and Activate** tab. If you have not activated a computer for this license yet, click **Activate** to activate the license, download the license file, and get the file installation key.

If you have already activated the license, and you have the file installation key, you can click the download arrow or email icon under **Get License File** instead.

- 3 Download and save these items on removable media (for example, a USB stick).
 - 4 Copy the license file and file installation key to the target computer.
- Network license users can get the network license file and FIK from their license or network administrator and copy them to their machine.
 - Administrators can get a copy of the network license file from the server hosting the network license manager and the file installation key (FIK) from License Center (do not give your users the license file downloaded with the FIK).
 - If you are using a trial license, go to <https://www.mathworks.com/licensecenter/trials>.

Step 2. Start Installer

Start the installer using the target machine's platform-specific instructions, as shown in this section. When prompted to allow the app to make changes, answer **Yes**.

Security Considerations When installing products, use a secure location, limit privileges when possible, and monitor the installation. For more details, see “Security Considerations for Installing MathWorks Products”.

Windows

On Windows systems, the default installation directory is:

`C:\Program Files\MATLAB\R2025b`

To launch the installer on Windows systems:

- 1 Double-click the `setup.exe` file to launch the installer.
- 2 When asked if you want to allow the application to make changes, answer **Yes**.
- 3 If your computer has been configured to use a proxy server for internet access, enter the user name and password to continue with a standard installation. Contact your system administrator for proxy server credentials.

Linux

On Linux® systems, the default installation directory is:

`/usr/local/MATLAB/R2025b`

Note You must install MathWorks products to a directory where you have write permissions. Root privileges are not required to run the installer unless you want to install to the default directory.

Follow these steps to install on Linux:

- 1 At the system terminal, unzip the `matlab_R2025b_Linux.zip` installer archive to the `matlab_R2025b_Linux` directory by entering:

`unzip matlab_R2025b_Linux.zip -d matlab_R2025b_Linux`

2 Navigate to the `matlab_R2025b_Linux` directory.

- To launch the installer and install to a directory where you have write permissions, execute:
`./install`

When prompted by the installer, specify the folder for installation.

- To launch the installer as root, execute:
`sudo ./install`

If the installer fails to launch as root, it might not have access to the graphical user interface that you need for installation. Try this workaround:

```
xhost +SI:localuser:root
sudo -H ./install
xhost -SI:localuser:root
```

This allows the root user to access the running X server, launches the installer, and then removes the root user from accessing the X server.

macOS (Intel Processor)

On macOS Intel® processor systems, the default installation directory is:

`/Applications/MATLAB_R2025b.app`

To install on macOS Intel processor systems:

- 1 Double-click the `matlab_R2025b_macOSIntelProcessor.dmg.zip` file to unzip the disk image.
- 2 Double-click the `matlab_R2025b_macOSIntelProcessor.dmg` disk image file to mount the virtual disk.
- 3 Double-click the `InstallForMacOSIntelProcessor` installer file in the virtual disk to launch the installer.
- 4 If your computer has been configured to use a proxy server for internet access, enter the user name and password to continue with a standard installation. Contact your system administrator for proxy server credentials.

macOS (Apple Silicon)

On macOS Apple silicon systems, the default installation directory is:

`/Applications/MATLAB_R2025b.app`

To install on macOS Apple silicon systems:

- 1 Double-click the `matlab_R2025b_macOSAppleSilicon.dmg.zip` file to unzip the disk image.
- 2 Double-click the `matlab_R2025b_macOSAppleSilicon.dmg` disk image file to mount the virtual disk.
- 3 Double-click the `InstallForMacOSAppleSilicon` installer file in the virtual disk to launch the installer.
- 4 If your computer has been configured to use a proxy server for internet access, enter the user name and password to continue with a standard installation. Contact your system administrator for proxy server credentials.

The native Apple silicon MATLAB requires that a Java® runtime be installed on your Mac. To obtain a compatible Java runtime, see MATLAB on Apple Silicon Macs

Step 3. Accept License Agreement

Review the software license agreement. If you do not agree with the terms of the license agreement, you will be unable to install MathWorks products.

Step 4. Enter File Installation Key

Enter the File Installation Key where prompted.

- If the product files are not found by the installer, you will get an error before you enter the File Installation Key. This message includes instructions for downloading the necessary files.
- If you get a message saying that the key is invalid, check to make sure you entered the key correctly. If necessary, get a new File Installation Key.
- If you get a message saying that the key is invalid for the release you are trying to install, see your administrator or go to the License Center to get the files for the File Installation Key you have. If you are using a trial license, go to <https://www.mathworks.com/licensecenter/trials>.

Step 5. Select License File

The license file is required for installation when you use a File Installation Key. It identifies which products you can run.

- The file must be a valid license file.
- If the installer detects that the license file is invalid for any reason, use a different license file or get a new license file.

Step 6. Select Destination Folder

The destination folder is where you want to install MathWorks products. Accept the default installation folder, or click **Browse** to select a different one. If the folder does not exist, the installer creates it.

The destination folder must be on an absolute path. MathWorks recommends that you install MathWorks products in their own folder. If you select the top-level drive, you will be asked to confirm your selections.

When specifying a folder name:

- You can use any alphanumeric character and some special characters, such as underscores.
- You cannot use non-English characters.
- Folder names cannot contain invalid characters and the destination cannot be named "private."

If you make a mistake while entering a folder name and want to start over, click **Restore Default**.

Changing the tmp directory for installation To change the tmp folder for installation, see MATLAB Answer How can I change the temp directory the MATLAB installer uses?

Step 7. Select Products

The Product Selection list shows all the products associated with the File Installation Key you specified.

- To install a particular product, check the box next to its name. MATLAB is selected by default.
- If you do not want to install a particular product, clear the check box next to its name.
- If any of your selected products have a dependency on a product that was not selected, you will get a Product Dependencies warning and you will be asked to add the dependent products.

Dependent products are optional and you can choose to add or not add them. However, while you are still able to install the selected products without dependent products, you may not be able to access all the functionality you require.

- Required products must be installed.

Step 8. Select Options

Some options are available only for certain license types. If no options are presented to you, you can go to the next step.

- **Windows** — You can choose to put shortcuts for starting MATLAB in the **Start** menu and on the desktop.
- **Linux** — You can specify whether you want to create symbolic links to the `matlab` and `mex` scripts. Specify a folder to which you have write access and that is common to all the user paths on this computer, such as `/usr/local/bin`.

Step 9. Confirm Selections and Install

Review the summary of your installation choices. To change a setting, click the topic on the navigation bar. To proceed with the installation, click **Begin Install**.

When the installation is complete, note if the installer shows you any additional steps required to complete configuration, and click **Finish**. If additional steps are required, complete them before running MATLAB.

If you are installing server products, see “Install Polyspace, RoadRunner, and Server Products”.

License or System Administrators Only If you run into unrecoverable errors, or if your organization has complex license mixing issues, consider performing an ISO download instead. See [How do I download a MATLAB ISO archive?](#)

See Also

Related Examples

- “Download Products Without Installing” on page 1-7
- “Install Documentation on Permanently Offline Computers”

Add Toolboxes and Products to MATLAB Installation

Depending on how you want to expand your MathWorks software, you can purchase and install additional products or extend the capabilities of products you are already licensed for.

- Additional Products and Toolboxes — Additional products contain functionality that can be used in conjunction with MATLAB and Simulink®.

When you purchase additional products to add to a license you already own, rerun the installer to add those products to your existing installation. This procedure is exactly the same as when you installed your original products for the first time.

- Single installation — See the instructions in “Download and Install MATLAB” or “Install Products on Offline Computer”.
- Multiple installations — Administrators, select a procedure from “Install Products on Client Machines”.
- Add-Ons — Add-ons extend the capabilities of MATLAB by providing additional functionality for specific tasks and applications, such as connecting to hardware devices, additional algorithms, and interactive apps.

To learn more, see “Add-Ons” (MATLAB).

- MATLAB Copilot — MATLAB Copilot provides generative AI capabilities in MATLAB. Unlike other MathWorks products, there is no toolbox or app to download and install for MATLAB Copilot. Rather, you gain access to MATLAB Copilot as a licensed user through your MathWorks Account. For more details, see .

See Also

Related Examples

- “Installing Products”

Install Documentation

By default, when using MATLAB, you access product documentation on the web. This reduces the installation footprint.

To use documentation when your computer is not connected to the internet—either temporarily or permanently—you can install the documentation on your machine.

- The documentation installer installs documentation for every product installed on your machine for the release of MATLAB you are using to install the documentation. If you have multiple releases of MATLAB on the same machine, run the installation procedure from each of those MATLAB versions.
- If MATLAB was installed using a Designated Computer or Network license, you can install the documentation just one time to have it be available to all users on that license using the machine.
- The amount of disk space the documentation requires depends on how many documentation sets you are installing. The full documentation set requires more than 10 GB of disk space.

When you are ready to begin, select a procedure from the following table.

Scenario	Workflow
Your machine is usually connected to the internet when using MATLAB but you work offline occasionally.	"Install Documentation for Temporary Offline Use"
Your machine is permanently offline.	"Install Documentation on Permanently Offline Computers"

See Also

Related Examples

- "Download and Install MATLAB"
- "Install Products on Offline Computer"
- "Install Products Programmatically"

Install Documentation for Temporary Offline Use

When using MATLAB, you access product documentation on the web, by default. If you need offline access to the documentation, you can download and install it when your computer is connected to the internet, and then access the locally installed documentation when your computer is temporarily offline.

If the computer you use is permanently offline, see “Install Documentation on Permanently Offline Computers”.

Download and Install Documentation (Requires Internet Connection)

To download and install the documentation, follow these steps:

- 1 Open MATLAB.
- 2 On the **Home** tab, in the **Environment** section, click **Settings**.

Click **Preferences** instead.

- 3 In the left pane of the Settings dialog box, click **MATLAB**, and then click **Help**.
- 4 Under **Documentation Location**, select **Installed locally**.
- 5 Click **Install Documentation**.

MATLAB installs the documentation in the support package root folder. To find the support package root, use the function `matlabshared.supportpkg.getSupportPackageRoot`.

- 6 Restart MATLAB.
- 7 Verify that MATLAB opens the locally installed documentation. At the MATLAB command prompt, enter: `doc`

On the documentation home page that opens, if the URL points to a local IP address and port number (for example, `http://127.0.0.1:12345`), then MATLAB is accessing the locally installed documentation.

To update installed documentation after adding or removing products, or to install the most recent documentation, repeat this procedure.

Revert to Web Documentation

To revert to opening documentation from the web, follow these steps:

- 1 Open MATLAB.
- 2 On the **Home** tab, in the **Environment** section, click **Settings**.

Click **Preferences** instead.

- 3 In the left pane of the Settings dialog box, click **MATLAB**, and then click **Help**.
- 4 Under **Documentation Location**, select **Web, on mathworks.com**.

- 5 Restart MATLAB.
- 6 Verify that MATLAB opens the web documentation. At the MATLAB command prompt, enter: `doc`

On the documentation home page that opens, if the URL points to a web address (for example, `https://www.mathworks.com/help/...`), then MATLAB is accessing the web documentation.

See Also

Related Examples

- “Install Documentation on Permanently Offline Computers”
- “Download and Install MATLAB”

Install Documentation on Permanently Offline Computers

When using MATLAB, you access product documentation on the web, by default. To use the documentation on a computer that is permanently offline, you can download a documentation ISO image, copy the image to the offline computer, and then mount the image and install the documentation.

If you typically work with MATLAB while connected to the internet and only occasionally work offline, see “Install Documentation for Temporary Offline Use”.

Prerequisites

- The offline computer must run on Linux or Windows. On macOS operating systems, downloading and installing documentation from a mounted DMG image is not supported.
- The computer you use to download the documentation must have an internet connection.
- To download the documentation, you must have a MathWorks Account. Installing the documentation on the offline computer does not require a MathWorks Account.
- Both the computer you use to download the documentation and the offline computer must have more than 10 GB of available disk space to accommodate the size of the documentation ISO image.
- MATLAB must already be installed on the offline computer.
- Knowledge of IT concepts is recommended but not required.

Download Documentation (Requires Internet Connection)

To download the R2025b documentation, in the **Operating Systems** list below, select the operating system for the target offline computer. Then, click **Download documentation**.

Note macOS DMGs are not available. To download and install documentation on macOS operating systems, see “Install Documentation for Temporary Offline Use”.

Operating Systems

Windows



Download documentation

To download documentation for releases before R2025b, see the support article [How do I download and install documentation on offline machines?](#)

Copy Documentation to Offline Computer

Copy the documentation ISO image that you downloaded to the offline computer using removable media or a shared network location. Then, on the offline computer, mount the image using the standard process for your platform.

For more details, see this support article.

Install Documentation on Offline Computer

Install the documentation on the offline computer using the `mpm` command line tool. `mpm` is included as part of the downloaded documentation ISO image.

Note Perform these steps from the command line for your operating system. Do not run these commands from MATLAB.

- 1 From the operating system command line, navigate to the folder within the mounted image that contains the documentation installer.

```
cd <mountedDocImage>/bin/<arch>
```

- `<mountedDocImage>` is the root of the mounted documentation ISO image.
- `<arch>` is the operating system architecture folder of the ISO image, such as `win64`, `glnxa64`, `maci64`, or `maca64`.

- 2 Install the documentation by using the `mpm install-doc` command. Specify the `--matlabroot` option to the folder where MATLAB is installed on the offline computer. By default, `mpm` installs the documentation to the support package root folder within MATLAB, as determined by the function `matlabshared.supportpkg.getSupportPackageRoot`.

Windows example:

```
.\mpm.exe install-doc --matlabroot="C:\Program Files\MATLAB\R2025b"
```

Linux or Mac example:

```
./mpm install-doc --matlabroot=/home/<username>/matlab
```

To install the documentation to a custom location, also specify the full path to this location using the `--destination` option. Use this option when you want to:

- Install the documentation on a network drive so that your users all access the same version.
- Install the documentation to a shared location on computers accessed by multiple users. This scenario applies to Linux platforms only, where the documentation is installed by default to a user-specific folder. On Windows, the documentation is installed by default to a shared location.

Windows example:

```
.\mpm.exe install-doc --matlabroot="C:\Program Files\MATLAB\R2025b" --destination="Z:\Shared\MATLAB Doc"
```

Linux example:

```
./mpm install-doc --matlabroot=/home/<username>/matlab --destination=/usr/local/share/matlab-doc
```

- 3 Unmount the documentation ISO image. If you need to reclaim the disk space, delete the image.

Configure MATLAB to Use Installed Documentation

Update the MATLAB settings so that MATLAB opens the installed documentation instead of the web documentation. For each installation of MATLAB that will use the documentation:

- 1 Open MATLAB, and at the command prompt, enter:

```
s=settings, s.matlab.help.DocLocation.PersonalValue='INSTALLED';
```
- 2 If you installed the documentation to a custom location, update the documentation root to point MATLAB to that location. `<custom/doc/install/folder>` is the documentation path you specified in the `--destination` option of `mpm install-doc`.

```
docroot('<custom/doc/install/folder>/help')
```
- 3 Optionally add the previous MATLAB commands to your `startup.m` or `matlabrc.m` file so that they run every time that MATLAB starts up. For more details on using MATLAB startup files, see “Startup Options in MATLAB Startup File” (MATLAB).
- 4 Restart MATLAB.

Verify Local Installation

Verify that the documentation opens locally. At the MATLAB command prompt, enter: `doc`

In the browser page that opens, check the address of the URL.

- If the URL points to a local IP address and port number (for example, `http://127.0.0.1:12345`), then MATLAB is accessing the locally installed documentation.
- If the URL points to a web address (for example, `https://www.mathworks.com/help/...`), then MATLAB is still accessing the web documentation. Update MATLAB to point to the locally installed documentation, as described in the section “Configure MATLAB to Use Installed Documentation”.

Update Documentation on Offline Computer

To update installed documentation after adding or removing products, or to install the most recent documentation, repeat the previous procedures.

See Also

Related Examples

- “Install Documentation for Temporary Offline Use”
- “Install Products on Offline Computer”

Install Support Packages Programmatically

Many MATLAB and Simulink products use support packages to interact with hardware or provide additional processing capabilities. This procedure shows how to install support packages programmatically using MATLAB Package Manager (mpm). To install support packages interactively instead, use the Add-Ons panel in MATLAB. For more details, see “Get and Manage Add-Ons” (MATLAB).

Get MATLAB Package Manager

MATLAB Package Manager (mpm) is a command-line tool for installing products and support packages from the operating system command line. To get the latest version of mpm for your platform, follow the instructions in “Get MATLAB Package Manager”.

Configure Installation Using Input File

Get the mpm input file for your MATLAB release and use it to configure your support package installation.

From the `mpm-input-files` folder on GitHub®, open the folder of the MATLAB release for which you want to install support packages, and download a copy of the `mpm_input_<release>.txt` file.

In this input file, configure your support package installation by uncommenting lines that start with a single `#` and updating their values.

- **Release Update Level (Optional)**

By default, mpm installs the latest versions of MATLAB support packages for the given release.

To install a specific release update, uncomment the `updateLevel` line and change the update level. For example:

- `updateLevel=0` installs the general release.
- `updateLevel=1` installs update 1.

- **MATLAB Installation Folder (Optional)**

In the `destinationFolder` line, specify the root folder of the MATLAB installation. If you do not specify `destinationFolder`, then mpm sets the default destination folder for that computer's platform. If MATLAB is not installed already, then mpm installs MATLAB to the folder you specify in the `destinationFolder` line.

To specify the MATLAB installation folder, uncomment the `destinationFolder` line and specify the path to the folder.

Linux or Mac example:

```
destinationFolder=/home/<USER>/matlab
```

Windows example:

```
destinationFolder=C:\Users\<USER>\matlab
```

Note You cannot use `destinationFolder` to set the support package installation folder. `mpm` automatically derives this folder from the product installation folder specified by `destinationFolder`. To change the support package installation folder, install MATLAB and then run the function `matlabshared.supportpkg.setSupportPackageRoot`.

- **Support Packages**

Uncomment the support packages you want to install. For example, this code configures `mpm` to install two support packages. The required products, MATLAB and Deep Learning Toolbox™, are also included in the installation.

```
product.Deep_Learning_Toolbox_Model_for_ResNet-50_Network
# ...
product.Deep_Learning_Toolbox_Model_for_VGG-16_Network
```

Save the file.

Install Support Packages

Install the support packages using `mpm install`. Specify the full path to the input file you downloaded and updated.

Linux or Mac:

```
./mpm install --inputfile=/path/to/file/mpm_input_<release>.txt
```

Windows (*run as administrator*):

```
.\mpm.exe install --inputfile="\"path\"to\"file\"mpm_input_<release>.txt"
```

`mpm` also installs the required products, MATLAB and Deep Learning Toolbox in this example, if they are not installed already.

See Also

`mpm download` | `mpm install`

More About

- “Install Products Programmatically”
- “Get MATLAB Package Manager”
- “Install Support Packages on Offline Computer”

External Websites

- MATLAB Package Manager Changelog (GitHub)

Install Support Packages on Offline Computer

Many MATLAB and Simulink products use support packages to interact with hardware or provide additional processing capabilities. To install support packages on an offline computer, you must download the support packages on a computer connected to the internet, copy the support packages to the offline computer, and then install the support packages on the offline computer using MATLAB Package Manager (mpm).

Get MATLAB Package Manager (Requires Internet Connection)

MATLAB Package Manager (mpm) is a command-line tool for installing products and support packages from the operating system command line. To get the latest version of mpm for your platform, follow the instructions in “Get MATLAB Package Manager”.

Configure Download Using Input File (Requires Internet Connection)

Get the mpm input file for your MATLAB release and use it to configure your support package download.

From the `mpm-input-files` folder on GitHub, open the folder of the MATLAB release for which you want to download support packages, and then download a copy of the input file. For example:

```
mpm_input_r2025a.txt
```

In this input file, configure your support package download by uncommenting lines that start with a single `#` and updating their values.

- **Release Update Level (Optional)**

By default, mpm downloads the latest versions of MATLAB support packages for the given release.

To download a specific release update, uncomment the `updateLevel` line and change the update level. For example:

- `updateLevel=0` downloads the general release.
- `updateLevel=1` downloads update 1.

- **Download Folder (Required)**

Uncomment the `destinationFolder` line and specify a download folder.

Linux or Mac example:

```
destinationFolder=/home/<USER>/downloads/mathworks
```

Windows example:

```
destinationFolder=C:\Users\<USER>\Downloads\MathWorks
```

- **Platforms (Optional)**

By default, mpm downloads support packages for the platform of the computer that runs the mpm download command.

If you plan to install the support packages on computers that have different platforms, copy the following code block into the input file, and then uncomment the platforms of those computers.

```
## Uncomment the lines of the platforms for which you want to download products.
```

```
#platform.glnxa64
#platform.win64
#platform.maca64
```

For example, the code below downloads support packages for Linux (glnxa64), Windows (win64), and Mac (mac64) platforms.

```
platform.glnxa64
platform.win64
platform.maca64
```

- **Support Packages**

Uncomment the support packages you want to download. For example, the code below configures `mpm` to download two support packages. The required products, MATLAB and Simulink, are also included in the download.

```
product.MATLAB_Support_Package_for_Arduino_Hardware
# ...
product.Simulink_Support_Package_for_Arduino_Hardware
```

Save the file.

Download Support Packages (Requires Internet Connection)

Download the support packages using `mpm download`. Specify the full path to the input file you downloaded and configured.

Linux or Mac:

```
./mpm download --inputfile=/path/to/file/mpm_input_<release>.txt
```

Windows:

```
.\mpm.exe download --inputfile="\"path\to\file\mpm_input_<release>.txt"
```

Copy Downloaded Support Packages to Offline Computer

Make the downloaded folder available for installation on the offline computer by doing one of the following:

- Copy the folder to a shared network drive that the computer can access.
- Copy the folder directly to the computer using removable media.

Install Support Packages on Offline Computer

In the downloaded folder, navigate to the `mpm/<arch>` subfolder, where `<arch>` is the platform architecture of the target computer, such as `glnxa64` (Linux) or `win64` (Windows). This subfolder contains the version of `mpm` that you can use to install the downloaded support packages. On Linux and Mac platforms only, give executable permissions to `mpm` so that you can run it.

Linux or Mac:

```
cd /path/to/download/folder/mpm/<arch>
chmod +x mpm
```

Windows:

```
cd "%path%\to\download\folder\mpm\<arch>"
```

Install the downloaded support packages on the target computer using `mpm install`.

- Using the `--source` option, specify the absolute path to the downloaded folder.
- Using the `--destination` option, specify the absolute path to the MATLAB installation folder. If MATLAB is not installed already, then `mpm` installs it to this location.

Note You cannot use `--destination` to set the support package installation folder. `mpm` automatically derives this folder from the product installation folder specified by `--destination`. To change the support package installation folder, install MATLAB and then run the function `matlabshared.supportpkg.setSupportPackageRoot`.

- Using the `--products` option, specify the support packages you want to install. `mpm` also installs the required products, MATLAB and Simulink in this example, if they are not installed already.

Linux or Mac:

```
./mpm install --source=/path/to/download/folder --destination=/path/to/install/folder
--products=MATLAB_Support_Package_for_Arduino_Hardware Simulink_Support_Package_for_Arduino_Hardware
```

Windows (*run as administrator*):

```
.\mpm.exe install --source="%path%\to\download\folder" --destination="%path%\to\install\folder"
--products=MATLAB_Support_Package_for_Arduino_Hardware Simulink_Support_Package_for_Arduino_Hardware
```

Add Support Packages to Existing Offline Installation

Download additional support packages to add to the offline installation. Because you installed all required products in the previous steps, specify the `--no-deps` option to omit them from the download.

Linux or Mac:

```
./mpm download --release=R2025a --destination=/path/to/download/folder --no-deps
--products=MATLAB_Support_Package_for_Raspberry_Pi_Hardware Simulink_Support_Package_for_Raspberry_Pi_Hardware
```

Windows:

```
.\mpm.exe download --release=R2025a --destination="%path%\to\download\folder" --no-deps
--products=MATLAB_Support_Package_for_Raspberry_Pi_Hardware Simulink_Support_Package_for_Raspberry_Pi_Hardware
```

You can then copy the downloaded support packages to the offline machine and install them using `mpm install`, as shown in the previous sections.

See Also

`mpm download` | `mpm install`

Related Examples

- “Install Products on Offline Computer”
- “Install Documentation on Permanently Offline Computers”
- “Update MATLAB on Offline Computer”

Install Polyspace, RoadRunner, and Server Products

To install products other than MATLAB, Simulink, and its toolboxes or other products, see the documentation for those products.

Polyspace Desktop and Server Products

Product	Documentation
Polyspace® Bug Finder™ and Polyspace Bug Finder Server™	Polyspace Bug Finder
Polyspace Code Prover™ and Polyspace Code Prover Server	Polyspace Code Prover
Polyspace Access™	Polyspace Access
Polyspace Test™	Polyspace Test
Polyspace Client™ for Ada and Polyspace Server for Ada	Polyspace Products for Ada

RoadRunner Products

Product	Documentation
RoadRunner (including add-ons such as RoadRunner Scenario)	RoadRunner

MATLAB Server Products

Product	Documentation
MATLAB Parallel Server™	MATLAB Parallel Server
MATLAB Web App Server™	MATLAB Web App Server
MATLAB Production Server™	MATLAB Production Server

What Is MathWorks Service Host?

MathWorks Service Host is a collection of background processes that provide required services to MATLAB and other MathWorks products. Starting from R2024a, all MATLAB installations require MathWorks Service Host.

MathWorks Service Host facilitates communication with MathWorks web services and supports a variety of connectivity functions, including:

- Licensing.
- Enabling MathWorks Account Sign-in.
- Supporting MATLAB Connector for MATLAB Drive. For details, see “Install MATLAB Connector for MATLAB Drive” (MATLAB).
- Enabling REST Function Service. For details on creating REST function services in MATLAB, see “Create MATLAB REST Function Services” (MATLAB).
- Supporting hardware connectivity in MATLAB Online. For example, see “Connect to Raspberry Pi Hardware Board in MATLAB Online” (MATLAB).

Installation and Updates

MathWorks Service Host is installed into a separate location from MATLAB and other MathWorks products. The MathWorks Service Host installation automatically updates itself when a new version is available (approximately every four weeks).

These automatic updates only update MathWorks Service Host and do not update your MATLAB installation(s). You still control which MATLAB update you want to install for a given release, such as R2024a (see “Update an Existing Installation”).

The latest version of MathWorks Service Host supports all versions of MATLAB that might be installed on a computer. It includes two processes that run in the background even when other MathWorks products are closed. These processes are low impact, energy-efficient processes (as classified by Windows and macOS). These background processes are required, so you should avoid stopping them. When you start MathWorks applications, such as MATLAB, they also start another MathWorks Service Host client process. This client process will terminate when you close the application.

MathWorks Service Host is installed in the User Profile on Windows and Home directory on macOS and Linux.

Security Considerations

MathWorks Service Host is code-signed and has a digital signature verifying its authenticity and integrity. When MathWorks Service Host is installed, or auto-updates to a new version, the code signatures are verified. This checks that the packages are genuine and that they have not been altered or tampered with after they were signed by MathWorks. Code signing enables you to verify and confirm that MathWorks Service Host is a genuine installation from MathWorks (e.g. using standard tools like SignTool or Codesign). On Windows and Linux, the signer is “The MathWorks, Inc.” and the digital signatures use the SHA-256 message digest algorithm. On macOS, the signing authority is “Developer ID Application: The MathWorks, Inc. (94DN422U8R)”.

See Also

Related Examples

- “Security Considerations for Installing MathWorks Products”

Install Products on a Network License

Installation options for clients in a network configuration

Plan Your Network License Manager Installation and Configuration

Installation Procedures for Network License Manager

For network installations, MathWorks uses a license manager program from Flexera Software, Inc. (referred to in this documentation as the network license manager).

It is a good practice to install the network license manager before installing MATLAB. Doing so makes it easier to verify your MATLAB installations, because you can confirm the client computers are accessing the license server correctly at the time of installation.

Select a procedure from the Administer Network Licenses category to install and run the network license manager.

After you have installed the network license manager, select a procedure for installing MATLAB.

Caution Follow these recommendations when planning your network installation:

- Do not expose the commands to run the network license manager to the Internet or an untrusted network.
 - Start the network license manager so that local administrator access is required to run the shutdown procedure.
-

Installation Procedures for MATLAB

To install MATLAB on user computers, you must be:

- An administrator for the license that you want to install
- A user named on the license or who has linked the network license to their MathWorks Account

Use the following table to choose an appropriate MATLAB installation procedure.

Type of Installation	Person Who Installs	Procedures
Install and activate interactively with an Internet connection.	Administrator or user	Administrators: Follow the instructions in “Download and Install MATLAB” on page 1-3. Users: Follow the directions in “Have End Users Install Products” on page 2-11. Then, follow the instructions in “Download and Install MATLAB” on page 1-3.

Type of Installation	Person Who Installs	Procedures
Administrator downloads installer. User installs and activates interactively with an Internet connection.	Administrator and user	Follow the directions in “Have End Users Install Products” on page 2-11. Then, have the end user follow the instructions in “Download and Install MATLAB” on page 1-3.
Install and activate interactively on an offline computer	Administrator or user	Follow the directions in “Have End Users Install Products” on page 2-11.
Administrator downloads installer. User installs and activates interactively on an offline computer.		Then, use the instructions in “Install Products on Offline Computer” on page 1-10.
Install in silent mode. Instead of performing the installation interactively and providing the information requested by each dialog box, you can run the installer noninteractively. In this mode, you enter all required information into a properties file.	Administrator or knowledgeable user	“Install Products Programmatically” on page 2-8

See Also

Related Examples

- “Update Network License Manager Software”
- “Administering Network Named User Licenses”
- “Administering Concurrent Licenses”
- “License Requirements for MATLAB on Cloud Platforms”

Update or Modify Network License Files

About Network Licenses

Network licenses contain the encrypted passcodes for each product that your organization is licensed to install and run.

In general, you do not need to modify the network license file on the server or on the client computers. However, in some situations, you must edit the license file:

- When you change the license server name (for example, if the license is now being hosted on a new server).
- When you change the port number (for example, if the port address for the server has changed). See [How do I migrate my MATLAB clients to a new license server when the license server changes?](#)
- When you update the network installation with a new license file. See [MATLAB Answer How Do I Update the License File Used By the License Manager?](#)

Inside the Network License File

The network license file is a specially formatted ASCII text file that contains encrypted product passcodes for each product you are licensed to run. Each product passcode identifies the number of keys available for that product. The network license manager grants or denies access to a product depending on the availability of the license keys associated with each product.

- Each INCREMENT line identifies a product, the number of keys available for the product, and other information. (The INCREMENT lines in your license file might not include every element shown in the example.)
- The backslash (\) character indicates that the line continues onto the next line.
- The lines that begin with a pound sign (#) are comments. The MathWorks installer uses the information in these comment lines such as license server host ID or Internet address when it processes the license file during installation.

```
# BEGIN-----BEGIN-----BEGIN
# MATLAB license passcode file.
# LicenseNo: 123456          HostID: 6C4B905F446E
#
# R2021b
#
INCREMENT MATLAB MLM 46 30-jan-2025 13 FDC7243F4976 \
    VENDOR_STRING=vi=0:at=200:ae=1:lu=300:lo=CN:ei=1234567:lr=1:2p=0: \
    DUP_GROUP=UH asset_info=123456 ISSUED=21-Nov-2021 BORROW=720 \
    NOTICE=product=MATLAB SN=123456 SIGN="00C8 0547 EFDF 50D7 B9CE \
    4C9D 3348 561B E9E3 6CCA 7986 C2F6 38C8 794F EE84"
INCREMENT SIMULINK MLM 46 30-jan-2025 1 7DE4D05FF067 \
    VENDOR_STRING=vi=0:at=200:ae=1:lu=300:lo=CN:ei=1234567:lr=1:2p=0: \
    DUP_GROUP=UH asset_info=123456 ISSUED=21-Nov-2021 BORROW=720 \
    NOTICE=product=SIMULINK SN=123456 SIGN="00BE C534 0A32 1821 \
    AFCE D040 2085 3E00 9005 4983 7EFB 875F E4A7 FEE6 9548"
```

License Processing

When you install the network license manager or MATLAB software, the installer processes the network licenses for use on the server and client machines, respectively:

During Network License Manager Installation on Server

On the server, the installer:

- Makes a copy of the network license file named `license.dat`, processes the file to add the `SERVER` and `DAEMON` lines, and puts this copy in the `/etc` folder where you are installing the network license manager.
- The `SERVER` line identifies the server name, host ID, and port number. The `DAEMON` line identifies the name of the network license manager daemon.
- For Network Named User licenses, when the installer creates an options file during installation, it also adds the `Options=` syntax to the `DAEMON` line in your license file. This syntax specifies the path name of the options file.

For example, consider a server named `thunderball` that runs on port `27000` and whose host ID is the MAC address `03:42:f8:1b:b2:72`. The `SERVER` and `DAEMON` lines in your license file would look like this:

```
SERVER thunderball 0342f81bb271 27000
DAEMON MLM "C:\Program Files\MATLAB\R2025b\etc\win64\MLM.exe" options="C:\Program Files\MATLAB\R2025b\etc\mlm.opt"
```

During license processing, the installer removes the colons from the MAC address.

During MATLAB Installation on Client Computer

First, you must copy the `license.dat` file configured during the installation of the network license manager and put it either on the client machine or somewhere network accessible before you can run the installer.

Then, during installation, the installer creates a copy of `license.dat`, and processes it to remove the `INCREMENT` lines and the `DAEMON` line in the license file, leaving the `SERVER` line. It also adds the statement `USE_SERVER` to the file. This line points the client to the network license file on the server, which contains all the passcodes for the products.

It names this configured file `network.lic` and puts the file in `matlabroot\licenses`.

Note Do not give users the license file you download from License Center. They can install only with the license file that was specially configured during the installation of the network license manager.

MATLAB License Search Path

MATLAB reads the license file at startup to check for product licensing. MATLAB searches for the license file in the following locations, in the specified order:

- 1 The license file specified on MATLAB startup command line using the `-c` option. The `-c` option overrides the entire search order and uses only what was specified on the command line. This is the *only* path MATLAB searches.
- 2 Environment variables `MLM_LICENSE_FILE` and `LM_LICENSE_FILE`.
- 3 The profile folder of the person starting the program.
- 4 The `\licenses` folder in the MATLAB installation for files named `license.dat` or any file with the extension `.lic`.

When MATLAB is checked out from a network license server, all toolbox checkouts in that same session will also come from that license server. If a license file on the path is not a server license (that

is, it is a standalone license file for Individual, Designated Computer, or Trial), toolboxes can still be checked out from that file or from the license server.

Set MATLAB License Search Path

By default, MATLAB installs the license file on the client computer in the `\licenses` folder in the MATLAB client installation folder. However, you can override that location in one of either of the following ways:

- Specify the path to the license file on the command line during MATLAB startup using the `-c` option.

The `-c` option overrides the entire search order, including environment variables, and uses *only* what was specified on the command line. This is the *only* path MATLAB searches.

You can specify a list of paths to search. When using the `-c` option, keep in mind the following:

- If the path to your license file contains a space, enclose the path name in quotation marks.
- If you are specifying more than one license file, make sure to enclose the entire list of license files in quotation marks.
- Set environment variable.

MLM_LICENSE_FILE specifies the location of the license file for MathWorks products. MATLAB searches for this environment variable first.

Note Although you can set the environment variable `LM_LICENSE_FILE`, use of this variable is discouraged as it affects all Flex-enabled products. Instead, use `<VENDOR>_LICENSE_FILE`.

Note If you use the environment variable `MLM_LICENSE_FILE`, you must delete `matlab/licenses/network.lic`.

Update Network License File

When you receive a new license from MathWorks, plan to update the license file on the network server when users are least likely to be accessing a MATLAB license.

Prepare Latest License File

Download the latest license file and prepare it for use with the license server.

- 1 Download the latest license file from the License Center. To perform this step, you must be a license administrator.
 - a In the [License Center](#), click the product license you want to update.
 - b On the **Install and Activate** tab, in the license server table, find the row for your license server. Then, in the **Get License File** column, click the download arrow or email icon.
 - c Click **Download License File**, and then click **Done**. Ignore the additional steps shown on the page. The downloaded license file is named `license.lic`.
- 2 (Optional) If you are updating multiple licenses, repeat the previous step to download the other license files. Then, combine the contents of these files into a single `license.lic` file. Do not include any blank lines in the file.

- 3 Copy the **SERVER** and **DAEMON** lines from the server's existing license file into the downloaded license file. The modified license file should look similar to the following:

```
SERVER <hostname> <hostID> <portNumber>
DAEMON MLM <lmroot>/etc/<arch>/MLM
# BEGIN-----BEGIN-----BEGIN
<license file 1>
# END-----END-----END
# BEGIN-----BEGIN-----BEGIN
<license file 2>
# END-----END-----END
.
.
.
# BEGIN-----BEGIN-----BEGIN
<license file N>
# END-----END-----END
```

Replace Existing License File

- 1 Stop the license manager by following the instructions for your platform. See “Start and Stop Network License Manager”.
- 2 Replace the existing server license file with the prepared license file.

Tip: If you are also updating the license manager software, replace the existing license manager binaries with the latest binaries at this time. For details on updating the license manager, see “Update Network License Manager Software”.

- 3 Restart the license manager by following the instructions for your platform. See “Start and Stop Network License Manager”.

You can perform a status inquiry to confirm that the license file has been updated. The following support article contains instructions for performing a status inquiry: [Monitor the Usage of Licenses or Keys](#).

See Also

External Websites

- [License Center](#)

Install Products Programmatically

If you have to perform many MATLAB software installations, and the information you need to enter for each installation is the same, you can put this information in a properties file and run the MathWorks installer programmatically. You specify the properties file at the command line when you start the installer. The file provides information to the installer that you would otherwise enter interactively, using the installer dialog boxes. Programmatic installation, also called a silent installation, can save time and prevent errors.

Prerequisites

You need a File Installation Key to use the installer properties file (`installer_input.txt`). For information on how to get a File Installation Key, see “Install Products on Offline Computer”.

Download Installer and Products

Download an installer containing the MathWorks products you want to install on the target computers. The download procedure to use depends on whether you want to install only a subset of products for which you have licenses or all products for which you have licenses.

Download Subset of Products Using Download-Only Installer

If you need to install only a subset of products on the target computers, use the MathWorks installer to download a separate installer containing those products.

- 1 Go to MathWorks Downloads, select the release and platform of the computer you are using to perform the download, and download the installer.
- 2 Run the downloaded installer, sign in to your MathWorks Account, and accept the license agreement.
- 3 Under **Advanced Options**, select **I want to download without installing**.
- 4 Specify where you want to download the installer, the platform of the target computers, and the products you want to include in the download. Then, download the installer containing the product files.
- 5 Copy the installer to a location that each target computer can access, such as a local folder on each target computer or a network share.

Download All Products Using ISO Image (Windows or Linux Only)

To install all products on target Windows and Linux computers, download the ISO image containing all products.

Downloading and silently installing products from DMG images on macOS is not supported.

To download an ISO image, you must be a license administrator.

- 1 Go to MathWorks Downloads, and from the **I Want To** menu, select **Get ISOs and DMGs**. This link is visible only if you are signed in as a license administrator.
- 2 Select the release and update of the ISO you want to download.
- 3 Under **Get ISOs and DMGs for MATLAB and Simulink Products**, select the platform of the target computers (not the computer you are using to perform this download) and download the ISO.

- 4 Using the standard process for your operating system, mount the downloaded ISO to a folder.
- 5 Copy the installer to a location that each target computer can access, such as a local folder on each target computer or a network share.

Create Installer Properties File

- 1 Make a copy of the installer properties file `installer_input.txt`. This file is located in the top level of the folder containing the installer.

For example, on a Windows computer, you might execute this command:

```
copy Z:\installer_input.txt C:\temp\my_installer_input.txt
```

- 2 Open the copied installer properties file using any text editor.
- 3 Uncomment only the parameters that start with a single `#` symbol and enter the appropriate values. For example:

- **destinationFolder**

Specify the path to the folder where you want to install products. You must specify the full path. Specifying a relative path might cause the `installer_input` file to be read incorrectly. Here are sample destination folders for each operating system.

- Windows:

```
destinationFolder=C:\Program Files\MATLAB\R2025b
```

- Linux:

```
destinationFolder=/opt/MATLAB/R2025b
```

- macOS:

```
destinationFolder=/Applications
```

- **fileInstallationKey**

Specify the value of your File Installation Key. For example:

```
fileInstallationKey=01234-56789-01234-56789
```

- **agreeToLicense**

You must specify this value as `yes` to accept the license agreement to install MathWorks products.

```
agreeToLicense=yes
```

- **Products**

By default, the installer installs all products for which you are licensed, as determined by the File Installation Key you specified. To install a specific product or a subset of products for which you are licensed, uncomment the lines for the products you want to install. For example:

```
product.MATLAB
# ...
product.Simulink
```

- 4 Save your changes to the file.

Run Installer Using Properties File

- 1 Navigate to the folder containing the installer and products.
- 2 In a command window or terminal, start the installer using the `-inputFile` option to specify the full path of your installer properties file as a command-line argument.

On Windows, run the `setup.exe` application with the `-inputFile` option. For example:

```
setup.exe -inputFile C:\temp\my_installer_input.txt
```

On Linux or macOS, run the `install` script with the `-inputFile` option. For example:

```
install -inputFile /tmp/my_installer_input.txt
```

View Installation and Activation Log Files

During the installation and activation of MathWorks products, the product installer creates a log file that can be used to obtain information on these processes.

The installation log file is named `mathworks_%username%.log` and the activation log file is named `aws_%username%.log`. In both cases, `%username%` is the username of the person running the installer.

To locate your log files, see [Where Are the MATLAB Installation and Log Files Located?](#)

Have End Users Install Products

Note If you arrived at this topic because of the error "Network License File Required" and you have already linked the network license to your MathWorks Account, contact your administrator to get a copy of the network license file, and then return to the installer.

Note These instructions are to help the user on the network license install on their own machine. If you are an administrator installing software for your end users, see "Install Products on Client Machines". Otherwise, see instructions below for giving your users the items they need to install successfully.

License Requirements

All network license users must have a configured copy of the network license (`license.dat`) on their machine or accessible from a network share before they can install products.

- **Administrators** – Before your network users install MATLAB, give them a copy of `license.dat` from the network license manager. This network license file was processed during the installation of the network license manager for your organization, meaning it contains the correct **SERVER** line for the network license server you are using. To learn more about how the network license is processed during installation, see "License Processing".

Do not give users a copy of the original license file you received in the licensing email. They cannot use the licensing information in this form — it does not include the correct **SERVER** line. Also, do not forward to users the licensing email you received from MathWorks.

- **MATLAB Users** – You must get a copy of `license.dat` from your license or network administrator before you can install MathWorks products.

If you are using a trial license, go to <https://www.mathworks.com/licensecenter/trials>.

Select a Procedure

Consult the following table to determine which procedure to use.

Scenario	Procedure to follow
You plan to update and upgrade MATLAB releases yourself.	"Option #1: Link Network License to Your MathWorks Account"
You are asked to perform this installation only one time and do not expect to be installing updates and upgrades yourself. If your computer is offline, you must use this option.	"Option #2: Use License File and File Installation Key to Install"

Multiple Releases You can install multiple releases on the same machine. For example, you can have both R2022a and R2022b, or R2022b and R2023a.

Option #1: Link Network License to Your MathWorks Account

If your computer is offline, you must follow the workflow in Option #2.

To link your network license:

- 1 Contact your administrator to get the network license number you should use.
- 2 To link the license to your MathWorks Account, follow the instructions in Link an additional license (you may have to sign in first).

If you do not have a MathWorks Account, you can create one at the linked page.

- 3 Get a copy of your organization's network license file from your administrator and copy this license file to the machine where you are planning to install.

If you select this option, you can follow the online installation procedure as documented in “Download and Install MATLAB” with the following difference:

During the online installation, when prompted, specify the network license linked to your account. The installer recognizes it as a network license and prompts you for the license file. Enter the path to the license file and click **Next** to continue installing.

Option #2: Use License File and File Installation Key to Install

For this workflow, your computer can be connected to the Internet or offline. If your machine is offline, you must use this workflow.

- 1 Contact your administrator to get a copy of the network license file (see “License Requirements”) and a file installation key (FIK).
- 2 Copy the network license file and FIK to the machine where you are planning to install MATLAB.
- 3 Follow the procedures in “Download Products Without Installing” and “Install Products on Offline Computer”. If your administrator downloaded the installer, ask them to give you access to the files.

See Also

Related Examples

- “Download and Install MATLAB” on page 1-3
- “Install Products on Offline Computer” on page 1-10

Activate MATLAB Installation Manually

Activation Overview

Activation is a process that verifies licensed use of MathWorks products. This process validates the license and ensures that it is not used on more computers or by more users than allowed by the license option you selected. Normally, activation is performed during installation, and there is no separate action for the end user.

However, there may be occasions to manually activate the software, for example, if the activation during installation fails for some reason, or if the installation was performed using a File Installation Key and no license was supplied.

This topic describes how to activate the software manually should you need to.

You can follow these procedures also if you are an end user who has been asked to activate MATLAB software that was not installed by you.

- To perform an online activation from within MATLAB, the computer must be connected to the Internet.
- To perform an offline activation from within MATLAB, you must have a license file.
 - If you are using an individual license, use an online machine to go to License Center to get the license file (if you don't know what type of license you have, you can find that out in License Center).
 - Select license to use.
 - Go to the Install and Activate tab.
 - Click **Activate to Retrieve License File**. Download and transfer the license file to the offline machine.
 - If you are using a shared license, contact your administrator to get a license file configured especially for your organization. Copy it to the offline machine.

Step 1. Launch Activation App

You can launch the activation app from within MATLAB or from the operating system command line.

Launch Activation App from MATLAB

Follow these steps:

- 1 On the **Home** tab, in the **Resources** section, click **Help > Licensing**.
- 2 Select **Activate Software**.

Launch Activation App from Command Line

- **Windows Systems** — in the search box on the taskbar, enter "Activate" to bring up the **Activate MATLAB** application.
- **macOS Systems** — Double-click the activation application icon in the MATLAB application package. To view the contents of the MATLAB application package, right-click (or **Ctrl**+click) the package and select **Show Package Contents**.

- Navigate to your MATLAB installation folder and open the activation application.
 - **Windows Systems** — Double-click the `MathWorksProductAuthorizer.exe` file in `matlabroot\bin\${ARCH}` folder, where `matlabroot` is your MATLAB installation folder, and `${ARCH}` is a platform-specific subfolder, for example: `matlabroot\bin\win64`.
 - **Linux and macOS Systems** — Run `MathWorksProductAuthorizer` in the `matlabroot\bin\${ARCH}` folder, where `matlabroot` is your MATLAB installation folder, and `${ARCH}` is a platform-specific subfolder, for example: `matlabroot\bin\glnxa64` folder.

Step 2. Activate License

Note The license file (offline) workflow is started automatically if the computer is offline. However, if the computer is connected to the Internet, it starts the online workflow.

- To switch to the license file workflow, from **Advanced Options**, select **I want to use a license file**.
 - To switch from the license file workflow to the online workflow, from **Advanced Options**, select **I want to link to a license**.
-

Online Workflow

- 1 Enter the email address you use for your MathWorks Account.

If you do not have a MathWorks Account, you can create one at this time.

- 2 Select a license from the list of licenses linked with your MathWorks Account and then click **Next**.
- 3 Make sure the selections are correct and then click **Activate**.

Offline (License File) Workflow

- 1 If you are prompted for your email address, under **Advanced Options**, select **I want to use a license file**.
- 2 Enter the path to the license file and then click **Activate**.

What's Next?

You are now ready to begin using MathWorks software.

Install Network License Manager

Install and run the network license manager for Network Named User and Concurrent licenses.

Install Network License Manager Offline

Use a network license file to install the network license manager on a machine that does not have an internet connection. However, you must first download the installer and the license file from a computer that does have an internet connection.

You must install the license manager and have it running before you install MATLAB software on client systems. For information about installing MathWorks software on client systems, see “Plan Your Network License Manager Installation and Configuration” on page 2-2.

You need to install the network license manager only one time at a site.

Step 1. Download License File

Perform these steps on a machine that is connected to the Internet.

- 1 Go to License Center on the MathWorks website. Sign in to your MathWorks Account, if prompted.
- 2 Click the network license you want to use.
- 3 Click the **Install and Activate** tab and then click **Activate a Server**.
- 4 Obtain the host ID of the computer on which you intend to run the network license manager. See What is a Host ID? in MATLAB Answers.
- 5 Specify the operating system type and host ID of the computer on which you intend to run the network license manager. You can optionally assign a descriptive label to the activation as well. Click **Continue**.
- 6 Answer "No" to **Is the software already installed?** and click **Continue**.
- 7 Select either **Download the License File** or **Email License File**.

Whichever option you selected, remember to save the license file to the server where you will be installing the network license manager.

Click **Continue**.

For this workflow, you can skip steps 2 and 3 in License Center and continue following these instructions.

Step 2. Download Installer

- 1 On a computer connected to the Internet, download the MathWorks product installer from the Downloads page on the MathWorks website.
- 2 Copy the installer files and the license file to the server where you will be installing the network license manager.

Step 3. Start Installer

- 1 Start the installer.
 - **Windows Systems**

If you click **Run** when you select the installer on the MathWorks website, the installer starts automatically. If you saved the installer instead, double-click the self-extracting installer file in

the folder where you saved it. The name of the self-extracting installer file is `matlab_release_$ARCH`, where *release* is the release you are installing (for example R2020a) and *\$ARCH* is the selected architecture.

The installer should start automatically after file extraction is complete.

To restart the installer later, click `setup.exe`. This file is located in the top level of the folder where you extracted the files.

- **macOS Systems**

Double-click the `dmg` file that you downloaded from the MathWorks website. Double-click `InstallForMacOS.app`.

- **Linux Systems**

Use the `unzip` command to extract the files from the archive file that you downloaded from the MathWorks website. After extracting the files, execute the installer command:

```
./install
```

Step 4. Review Software License Agreement

Review the software license agreement and, if you agree with the terms, select **Yes** and click **Next**.

Note To view the end user license agreement at any time after installation, execute the following command in the MATLAB Command Window:

```
edit(fullfile(matlabroot, 'license_agreement.txt'))
```

Step 5. Select License File

Provide the name and path to the license file that you downloaded in Step 1. Click **Next**.

If the installer cannot find the host ID in the license, you will get a message instructing you to manually add the host ID after you finish installing.

Step 6. Select Destination Folder

The destination folder is where you want to install the network license manager. Accept the default installation folder, or click **Browse** to select a different one. If the folder does not exist, the installer creates it.

The destination folder must be on an absolute path. MathWorks recommends that you install the network license manager in its own folder. If you select the top-level drive, you will be asked to confirm your selection.

When specifying a folder name:

- You can use any alphanumeric character and some special characters, such as underscores.
- You cannot use non-English characters.

- Folder names cannot contain invalid characters and the destination cannot be named “private.”

If you make a mistake while entering a folder name and want to start over, click **Restore Default**.

Step 7. Select Options (Windows Systems Only)

Configuring the network license manager service provides automatic startup at system boot time and centralizes administration of the license manager through the Windows Services control panel. If you want the license manager to start automatically when you start the system, check **Configure as service**.

To review the default network license manager configuration settings, click **View Default Settings**. If you choose not to configure the network license manager service, you can do it later.

Note If you have an existing network license manager that you want to continue to use until you install the new one, do not check **Configure as service**. The installer still installs the network license manager files. After installation, you can stop your existing license manager and start your new license manager.

Step 8. Confirm Selections and Install

Review the summary of your installation choices. To change a setting, click the topic on the navigation bar. To proceed with the installation, click **Begin Install**.

When the installation is complete, note if the installer shows you any additional steps required to complete configuration, and click **Close**. If additional steps are required, complete them before installing and running MATLAB on client machines.

See Also

Related Examples

- “Plan Your Network License Manager Installation and Configuration” on page 2-2

Install Network License Manager Using Internet Connection

Install the network license manager on a computer connected to the internet. You must install the license manager and have it running before you install MATLAB software on client systems. See “Plan Your Network License Manager Installation and Configuration” on page 2-2.

You need to install the network license manager only one time at a site.

Step 1. Download License File

- 1 Go to License Center on the MathWorks web site. Sign in to your MathWorks Account, if prompted.
- 2 Click the network license you plan to use for this installation.
- 3 Click the **Install and Activate** tab and then click **Activate a Server**.
- 4 Obtain the host ID of the computer on which you intend to run the network license manager. See What is a Host ID?.
- 5 Specify the operating system type and host ID of the computer on which you intend to run the network license manager. You can optionally assign a descriptive label to the activation as well. Click **Continue**.
- 6 Answer "No" to **Is the software already installed?** and click **Continue**.
- 7 Select either **Download the License File** or **Email License File**.

Whichever option you selected, remember to save the license file to the server where you will be installing the network license manager.

Click **Continue**.

For this workflow, you can skip steps 2 and 3 in License Center and continue following these instructions.

Step 2. Download and Start Product Installer

- 1 Download the MathWorks product installer from the Downloads page on the MathWorks website.

When you select an installer on the website, you receive the files that the installer needs to run on your selected platform, not the license manager files. The installer downloads the files that it needs from MathWorks during installation.

- 2 Start the installer.

- **Windows Systems**

If you click **Run** when you select the installer on the MathWorks website, the installer starts automatically. If you saved the installer instead, double-click the self-extracting installer file in the folder where you saved it. The name of the self-extracting installer file is `matlab_release_$ARCH`, where *release* is the release you are installing (for example R2020a) and *\$ARCH* is the selected architecture.

The installer should start automatically after file extraction is complete.

To restart the installer later, click `setup.exe`. This file is located in the top level of the folder where you extracted the files.

- **macOS Systems**

Double-click the `dmg` file that you downloaded from the MathWorks website. Double-click `InstallForMacOS.app`.

- **Linux Systems**

Use the `unzip` command to extract the files from the archive file that you downloaded from the MathWorks website. After extracting the files, execute the installer command:

```
./install
```

- 3 When the installer prompts you to sign in, click **Advanced Options > I want to install network license manager**.

Step 3. Review Software License Agreement

Review the software license agreement and, if you agree with the terms, select **Yes** and click **Next**.

Note To view the end user license agreement at any time after installation, execute the following command in the MATLAB Command Window:

```
edit( fullfile(matlabroot, 'license_agreement.txt') )
```

Step 4. Select License File

Provide the name and path to the license file that you downloaded in Step 1. Click **Next**.

If the installer cannot find the host ID in the license, you will get a message instructing you to manually add the host ID after you finish installing.

Step 5. Select Destination Folder

The destination folder is where you want to install the network license manager. Accept the default installation folder, or click **Browse** to select a different one. If the folder does not exist, the installer creates it.

The destination folder must be on an absolute path. MathWorks recommends that you install the network license manager in its own folder. If you select the top-level drive, you will be asked to confirm your selection.

When specifying a folder name:

- You can use any alphanumeric character and some special characters, such as underscores.
- You cannot use non-English characters.
- Folder names cannot contain invalid characters and the destination cannot be named “private.”

If you make a mistake while entering a folder name and want to start over, click **Restore Default**.

Step 6. Select Options (Windows Systems Only)

Configuring the network license manager service provides automatic startup at system boot time and centralizes administration of the license manager through the Windows Services control panel. If you want the license manager to start automatically when you start the system, check **Configure as service**.

To review the default network license manager configuration settings, click **View Default Settings**. If you choose not to configure the network license manager service, you can do it later.

Note If you have an existing network license manager that you want to continue to use until you install the new one, do not check **Configure as service**. The installer still installs the network license manager files. After installation, you can stop your existing license manager and start your new license manager.

Step 7. Confirm Selections and Install

Review the summary of your installation choices. To change a setting, click the topic on the navigation bar. To proceed with the installation, click **Begin Install**.

When the installation is complete, note if the installer shows you any additional steps required to complete configuration, and click **Close**. If additional steps are required, complete them before installing and running MATLAB on client machines.

See Also

Related Examples

- “Plan Your Network License Manager Installation and Configuration” on page 2-2

Update Network License Manager Software

To update network license manager software already installed and configured on a server, follow the procedure shown here to download the latest license manager binaries and replace the existing binary files on the server. Replacing these files requires you to stop and restart the license manager.

Alternatively, to perform a fresh installation of the license manager using the interactive installer, stop the existing license manager and follow the procedure in “Install License Manager on License Server” instead.

Download Latest License Manager Software

From the License Manager Download page, download the license manager ZIP file for the platform of your license server.

Unzip the downloaded file and save the extracted folder to a temporary location on the server. The `etc/<arch>` subfolder of the unzipped folder contains these binary files:

- `lmgrd`
- `MLM`
- `lmutil`
- `lmtools` (Windows only)
- `ParallelServerLicenseCheck`

On Linux, the unzipped folder includes another subfolder, `sys`, containing software libraries that must be replaced.

Stop License Manager

Stop the network license manager by following the instructions for your platform.

- Windows — Double-click the LMTOOLS executable located at `<lmroot>\etc\win64\lmtools.exe`, where `<lmroot>` is the full path to the license manager folder. Then, on the **Start/Stop/Reread** tab of the LMTOOLS application, click **Stop Server**.
- Linux and Mac — At the command line, run the following command from the `etc/<arch>` subfolder of your license manager folder, where `<arch>` is the platform architecture of the license server.

```
./lmutil lmdown -c <licenseFile>
```

`<licenseFile>` is the path to the server license file, such as `license.lic` or `license.dat`.

Replace Existing License Manager Binaries

In the `<lmroot>/etc/<arch>` subfolder of your license manager folder, replace the existing binary files with the downloaded binary files. On Linux, also replace the existing `sys` folder with the downloaded `sys` folder.

Tip: If you are also updating the license file used by the license server, replace it at this time. For details on updating the license file, see “Update Network License File”.

Restart License Manager

Restart the network license manager by following the instructions for your platform.

- Windows — Double-click the LMTOOLS executable located at `<lmroot>\etc\win64\lmtools.exe`, where `<lmroot>` is the full path to the license manager folder. Then, on the **Start/Stop/Reread** tab of the LMTOOLS application, click **Start Server**.
- Linux and Mac — At the command line, run the following command from the `<lmroot>/etc/<arch>` subfolder of the license manager.

```
./lmgrd -c <licenseFile> -l +<logFile>
```

- `<licenseFile>` is the path to the server license file, such as `license.lic` or `license.dat`.
- `+<logFile>` is the full path to the license manager log file. Include a plus symbol (+) immediately before the log file path. This symbol instructs the license manager to append logs to the file, so that when the license manager restarts, it does not create a new log file and overwrite the existing one.

See Also

Related Examples

- “Monitor Network License Manager”
- “Update or Modify Network License Files”

