



MATLAB New User Guide

- **Individual licenses**

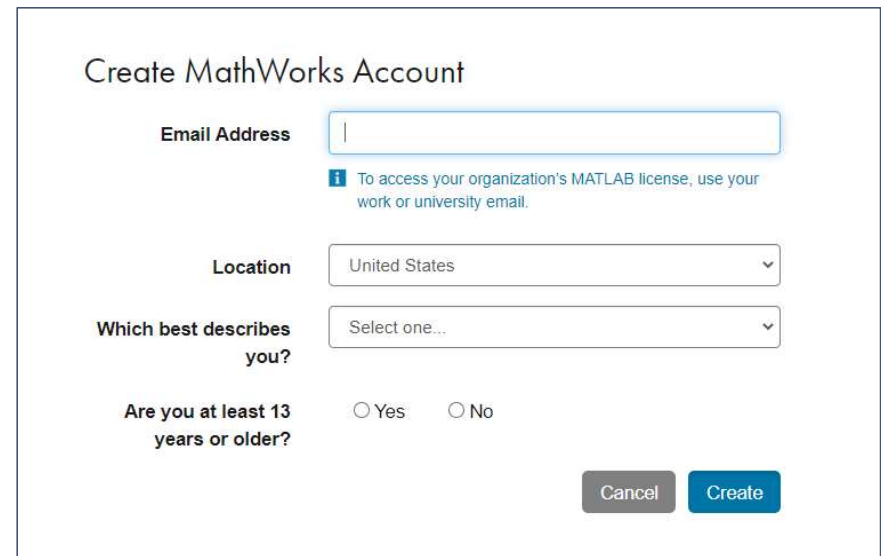


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MathWorks Account Creation

- Using your university email address, proceed to create an account at
❑ <https://www.mathworks.com/mwaccount/register>
- Provide the required information
- Click 'Create'
- Click link in email from MathWorks to verify your email address



The screenshot shows the 'Create MathWorks Account' form. It includes the following fields and options:

- Email Address:** A text input field with a blue border.
- Location:** A dropdown menu currently showing 'United States'.
- Which best describes you?:** A dropdown menu currently showing 'Select one...'.
- Are you at least 13 years or older?:** Radio buttons for 'Yes' and 'No'.
- Buttons:** 'Cancel' (grey) and 'Create' (blue) buttons at the bottom right.
- Information:** A blue 'i' icon followed by the text: 'To access your organization's MATLAB license, use your work or university email.'

CWL License Installation

- MATLAB (Individual)

MATLAB Installer Download

MATLAB Standard Installation

☐ MATLAB Systems Requirement:

<https://www.mathworks.com/support/requirements/previous-releases.html>

❑ MATLAB System Requirement Version 2020b(Window)

Operating Systems

- Windows 10 (version 1803 or higher)
- Windows 7 Service Pack 1
- Windows Server 2019
- Windows Server 2016

Processors

Minimum: Any Intel or AMD x86-64 processor

Recommended: Any Intel or AMD x86-64 processor with four logical cores and AVX2 instruction set support

Disk

Minimum: 3.5 GB of HDD space for MATLAB only, 5-8GB for a typical installation

Recommended: An SSD is recommended

A full installation of all MathWorks products may take up to 32 GB of disk space

RAM

Minimum: 4 GB

Recommended: 8 GB

For Polyspace, 4 GB per core is recommended

Graphics

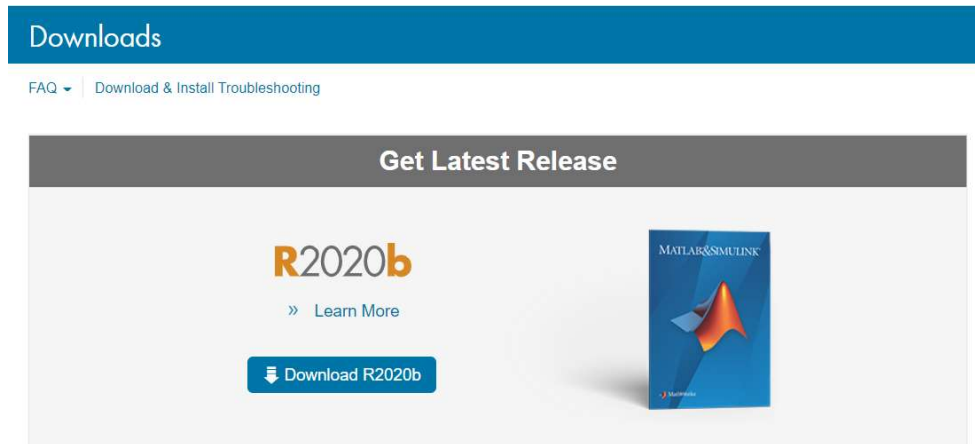
No specific graphics card is required.

Hardware accelerated graphics card supporting OpenGL 3.3 with 1GB GPU memory is recommended.

GPU acceleration using Parallel Computing Toolbox requires a GPU that has a compute capability 3.0 or higher.

For more information, see [GPU Support by Release](#).

MATLAB Installer Download



- Download the MathWorks Installer from the MathWorks website or MATLAB Portal
☐ <https://www.mathworks.com/downloads/>
- Sign in to a MathWorks account is required when clicking *Download* button

MATLAB Installer Download

- Click the blue button on the left to download the latest release of MATLAB you have access to, or select an older license in the menu on the right.

Downloads

FAQ ▾ | [Download & Install Troubleshooting](#)

[Contact support](#)

Download R2020b

↓ R2020b

Download earlier release

R2020a

R2019b

R2019a

R2018b

R2018a

MATLAB Installer Download

- Choose the platform (*Windows/macOS/Linux*)
- If prompted by your browser to Run or Save the installer, choose to save.

Downloads

FAQ ▾ | [Download & Install Troubleshooting](#)

Download R2020b (includes R2020b Update 1)

Download and run the Installer

Windows

macOS

Linux

- When prompted, sign in as thana@ascendas-asia.com
- Select your license
- Choose the products, toolboxes, and blocksets that you want to install

MATLAB Standard Installation

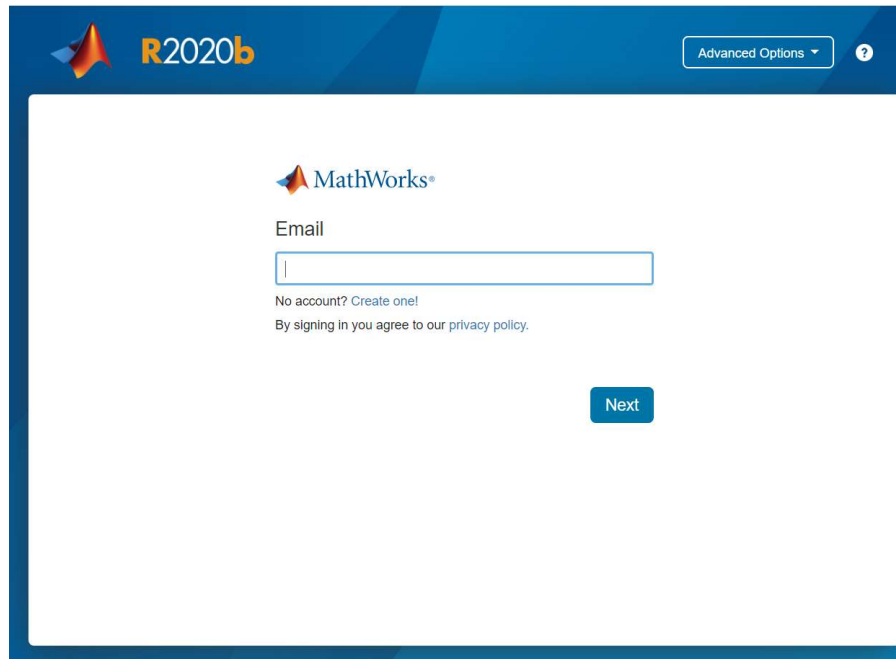
(automatically with Internet connection)

- How do I install MATLAB?
 - <https://www.mathworks.com/matlabcentral/answers/98886-how-do-i-install-matlab>
- Locate the downloaded installer and launch it:
 - **Windows:** Double click the matlab_R20XXx_win(64/32).exe to launch the installer. The Windows Self-Extractor will run, and then the installer will launch.
 - **Mac:** Double-click the matlab_R20XXx_maci64.zip. This will extract the files and automatically make another folder called matlab_R20XXx_maci64. Inside this folder, double-click InstallForMacOSX to launch the installer.
 - **Linux:** Unzip the matlab_R20XXx_glnxa64.zip file. From the extracted contents, run the install script.

MATLAB Standard Installation

(automatically with Internet connection)

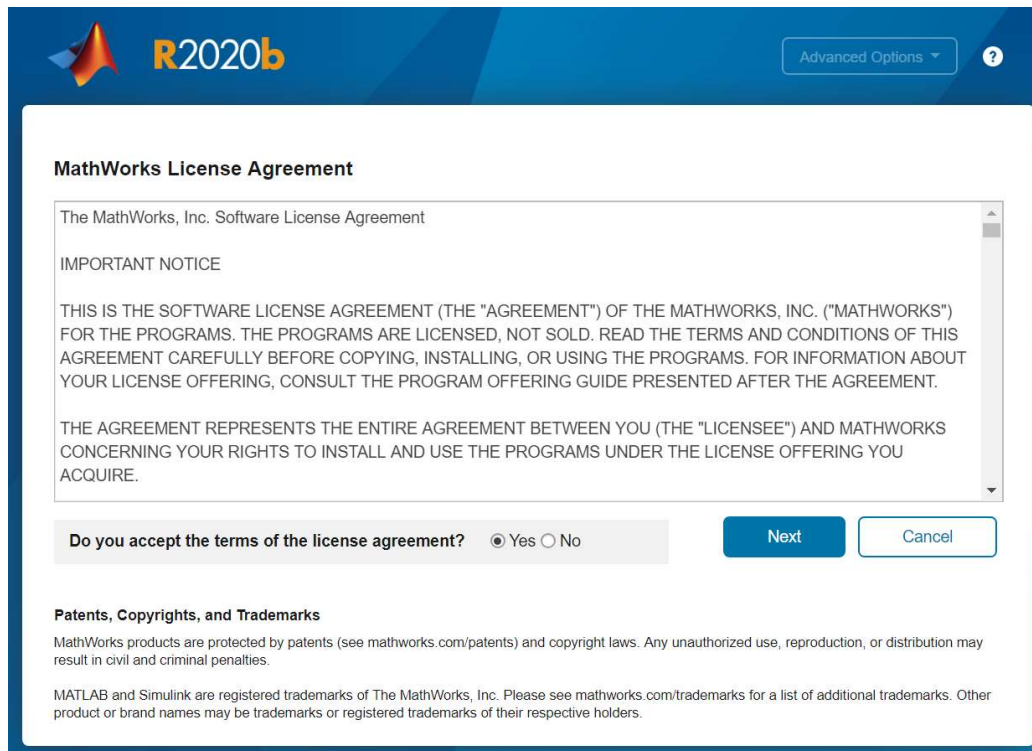
- In the MathWorks Installer, select Log in with a MathWorks Account and follow the instructions in the installer



The screenshot shows the MathWorks R2020b installer window. The title bar is blue with the R2020b logo and an 'Advanced Options' dropdown. The main content area is white and features the MathWorks logo at the top. Below the logo is the label 'Email' followed by a text input field. Under the input field, there is a link 'No account? Create one!' and a line of text stating 'By signing in you agree to our [privacy policy](#).' At the bottom right of the main area is a blue 'Next' button.

MATLAB Standard Installation (automatically with Internet connection)

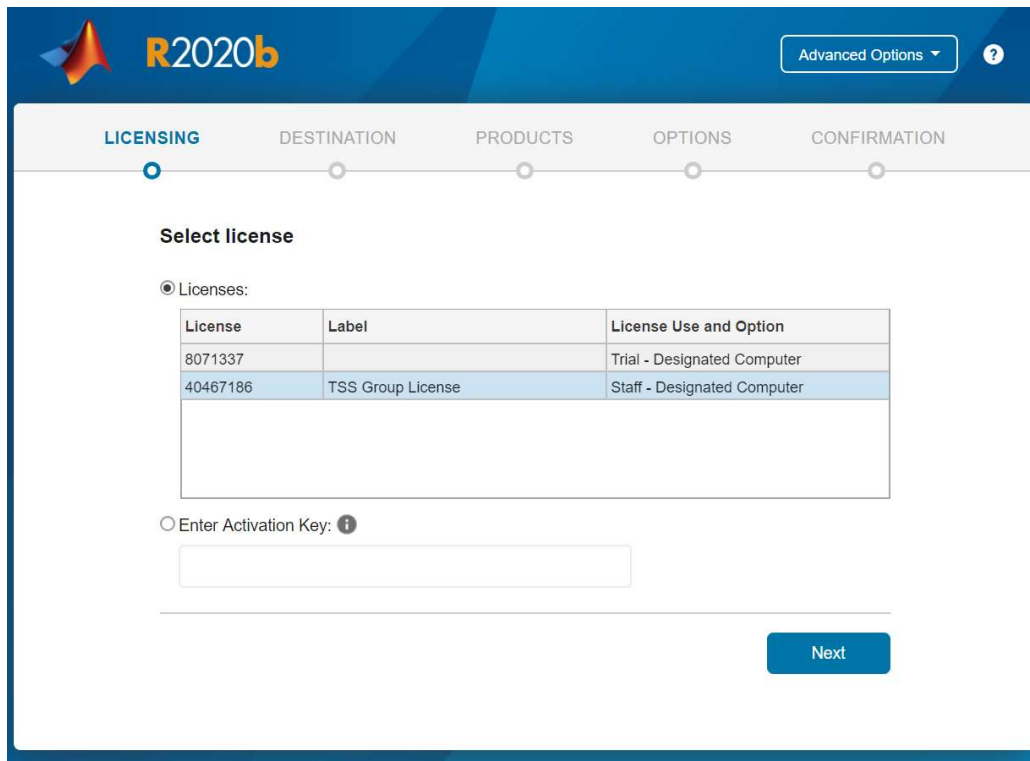
- Accept the license agreement and click Next.



MATLAB Standard Installation

(automatically with Internet connection)

- When prompted, in the license list:
 - select the correct license number



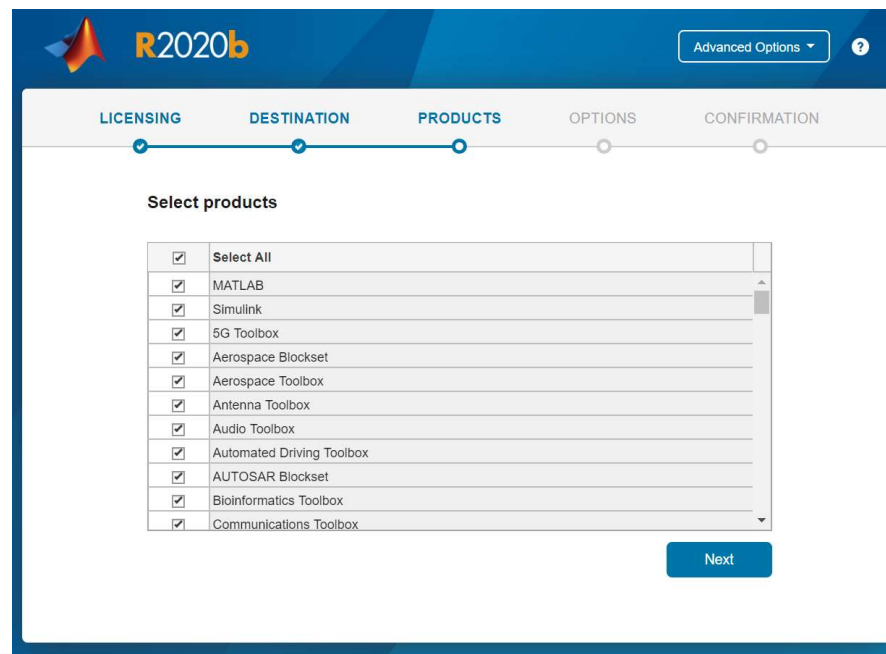
The screenshot shows the MATLAB R2020b Licensing Wizard. The interface has a blue header with the MATLAB logo and 'R2020b' text. A progress bar at the top indicates the current step is 'LICENSING'. Below the progress bar, the 'Select license' section is active. It features a radio button labeled 'Licenses:' which is selected. Below this is a table with three columns: 'License', 'Label', and 'License Use and Option'. The table contains two rows of data. The first row shows license number 8071337 with a blank label and 'Trial - Designated Computer' use. The second row shows license number 40467186 with the label 'TSS Group License' and 'Staff - Designated Computer' use. Below the table is an empty text box for entering an activation key, preceded by a radio button and the text 'Enter Activation Key:'. A 'Next' button is located at the bottom right of the window.

License	Label	License Use and Option
8071337		Trial - Designated Computer
40467186	TSS Group License	Staff - Designated Computer

MATLAB Standard Installation

(automatically with Internet connection)

- Select the products you would like to download and install. The installer will proceed to download and install products from the selected license
- When the installation is completed, click **Finish**. You may now begin using MATLAB.





MATLAB New User Guide

- **Network licenses**



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Unblock TCP port

Unblock 2 TCP ports in the firewall that exist in the network:

- a). TCP port 27000
- b). TCP port 1049
- c). If you wish to use another port numbers, then you can unblock another port numbers.
- d). The port range for first TCP port is 27000 to 27010
- e). There is no port range for second TCP port number. It can be any available port number.

Generate license file

Goto <https://www.mathworks.com/licensecenter>

Then select your license number



The screenshot shows the MathWorks License Center interface. At the top, there is a blue header with the MathWorks logo and the text 'License Center'. Below the header, there are tabs for 'Licenses', 'Trials', and 'Prereleases', and a 'Contact support' link. The main section is titled 'Select a License' and contains a table with the following columns: 'License', 'License Label', 'Option', and 'Use'. The first row of the table has the value '111111' in the 'License' column, which is circled in red. There is an 'Associate to License' button in the top right corner of the table area.

License	License Label	Option	Use
111111			

Generate license file

Click on "Activation and Installation" and click on license



Generate license file

Click on "Download License File"

Next Steps to use the software on:

STEP 1 Get the License File and copy it to the computer you are activating.

[Download License File](#) [Email License File](#)

STEP 2 Install or update the license manager.
[View detailed instructions](#)

STEP 3 Update the license manager with a new license file.
[View detailed instructions](#)

File Installation Key

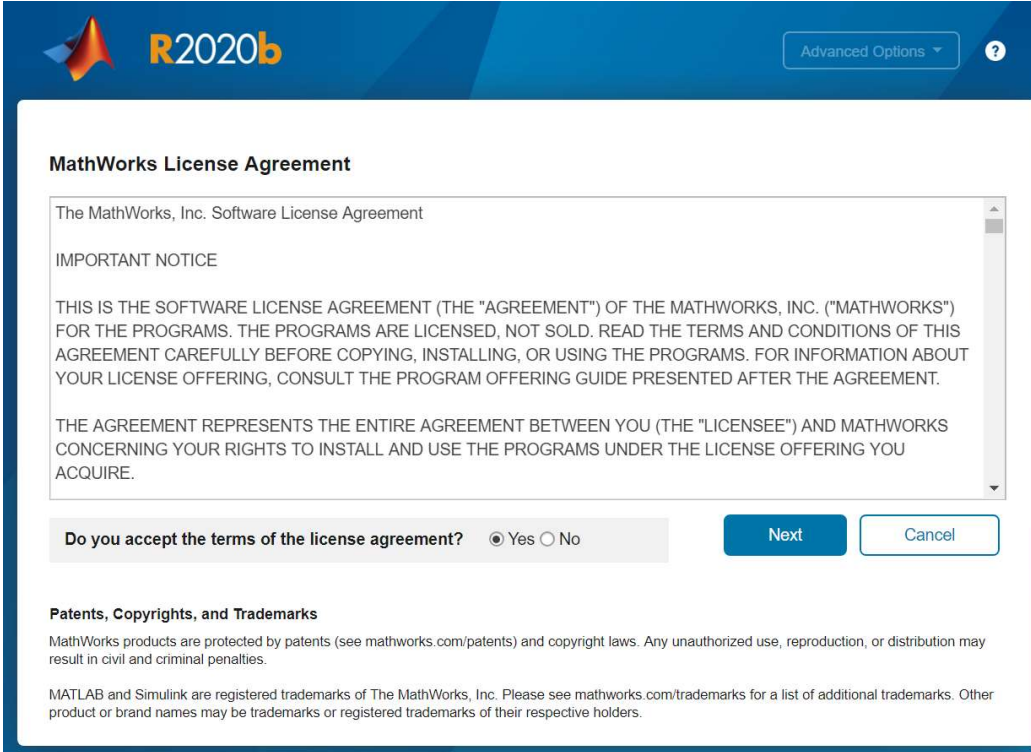
STEP 4 How do I install a MATLAB client for a network license?
[View detailed instructions](#)



Network license manager installation



Network license manager installation



The screenshot shows the MathWorks R2020b Network License Manager installation window. The title bar is blue with the MathWorks logo and 'R2020b' text. A dropdown menu labeled 'Advanced Options' and a help icon are in the top right. The main content area is white and titled 'MathWorks License Agreement'. It contains a scrollable text box with the following text:

The MathWorks, Inc. Software License Agreement

IMPORTANT NOTICE

THIS IS THE SOFTWARE LICENSE AGREEMENT (THE "AGREEMENT") OF THE MATHWORKS, INC. ("MATHWORKS") FOR THE PROGRAMS. THE PROGRAMS ARE LICENSED, NOT SOLD. READ THE TERMS AND CONDITIONS OF THIS AGREEMENT CAREFULLY BEFORE COPYING, INSTALLING, OR USING THE PROGRAMS. FOR INFORMATION ABOUT YOUR LICENSE OFFERING, CONSULT THE PROGRAM OFFERING GUIDE PRESENTED AFTER THE AGREEMENT.

THE AGREEMENT REPRESENTS THE ENTIRE AGREEMENT BETWEEN YOU (THE "LICENSEE") AND MATHWORKS CONCERNING YOUR RIGHTS TO INSTALL AND USE THE PROGRAMS UNDER THE LICENSE OFFERING YOU ACQUIRE.

Below the text box, there is a question: 'Do you accept the terms of the license agreement?' with radio buttons for 'Yes' (selected) and 'No'. To the right of the question are two buttons: 'Next' (blue) and 'Cancel' (white with blue border).

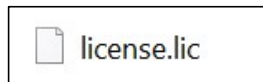
Below the 'Next' button, there is a section titled 'Patents, Copyrights, and Trademarks' with the following text:

MathWorks products are protected by patents (see mathworks.com/patents) and copyright laws. Any unauthorized use, reproduction, or distribution may result in civil and criminal penalties.

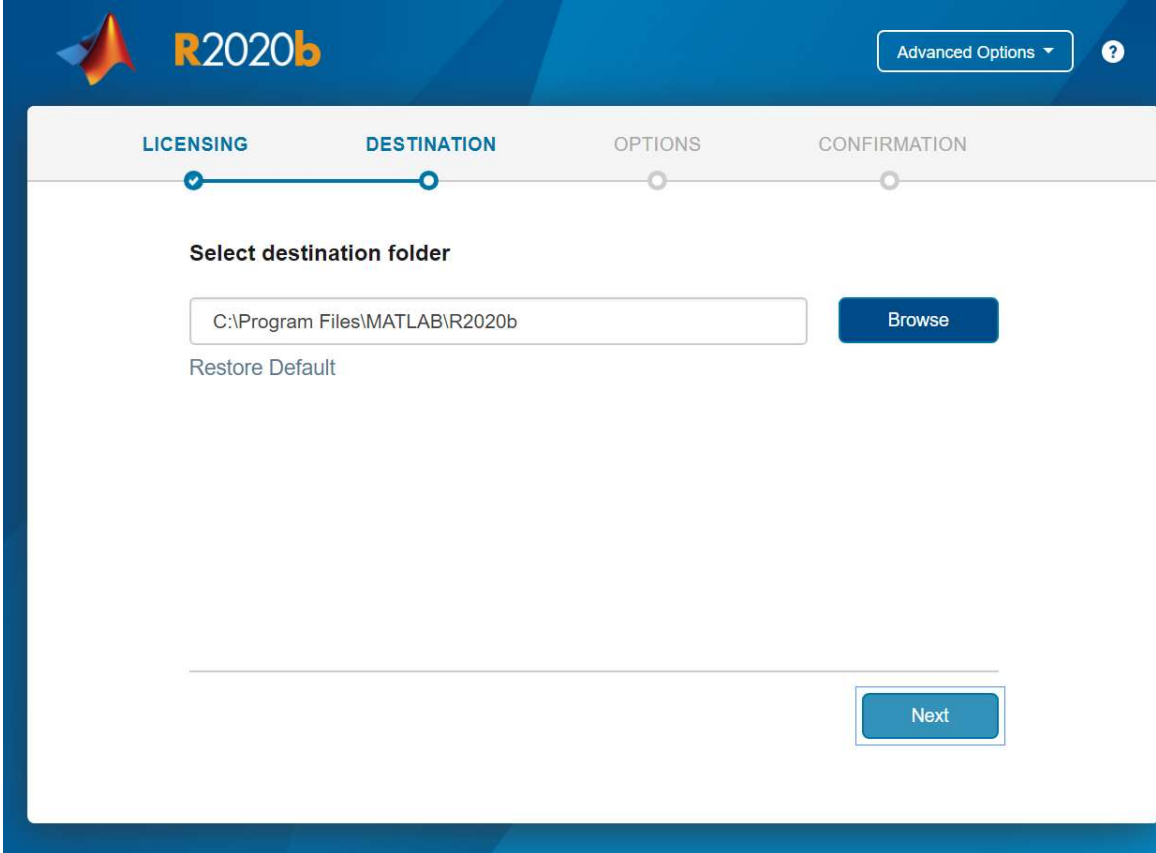
MATLAB and Simulink are registered trademarks of The MathWorks, Inc. Please see mathworks.com/trademarks for a list of additional trademarks. Other product or brand names may be trademarks or registered trademarks of their respective holders.

Network license manager installation

Browse file "license.lic"

A screenshot of the R2020b Network License Manager Installation window. The window has a blue header with the R2020b logo and an "Advanced Options" button. Below the header is a progress bar with four steps: LICENSING (selected), DESTINATION, OPTIONS, and CONFIRMATION. The main content area is titled "Network License Manager Installation" and contains a section "Select License File" with a subtext "(enter full path to your license file, including file name)". There is a text input field and a "Browse" button. At the bottom right, there is a "Next" button.

Network license manager installation



The image shows the MATLAB R2020b Network License Manager installation window. The window has a blue header with the MATLAB logo and 'R2020b' text. In the top right corner, there is an 'Advanced Options' dropdown menu and a help icon. Below the header, there is a progress bar with four steps: LICENSING, DESTINATION, OPTIONS, and CONFIRMATION. The 'DESTINATION' step is currently selected, indicated by a blue circle and a line. The main content area is titled 'Select destination folder'. It contains a text input field with the path 'C:\Program Files\MATLAB\R2020b', a 'Browse' button to the right, and a 'Restore Default' link below the input field. At the bottom right of the window, there is a 'Next' button.

Advanced Options ?

LICENSING **DESTINATION** **OPTIONS** **CONFIRMATION**

Select destination folder

C:\Program Files\MATLAB\R2020b **Browse**

Restore Default

Next

Add administrator



Add Administrator

To Add Administrators:

1. Go to www.mathworks.com
2. Log into your MathWorks Account
3. After you are logged in, click on your name in the top right and select 'My Account'
4. Click on any License Number, which will open your License Center
5. Click the link on the top of the page for 'Master Licenses'.

Note: If you do not see the 'Master Licenses' link, click on 'Contact Administrator(s)' and then on 'Edit Administrators' which will redirect you to the Master License View

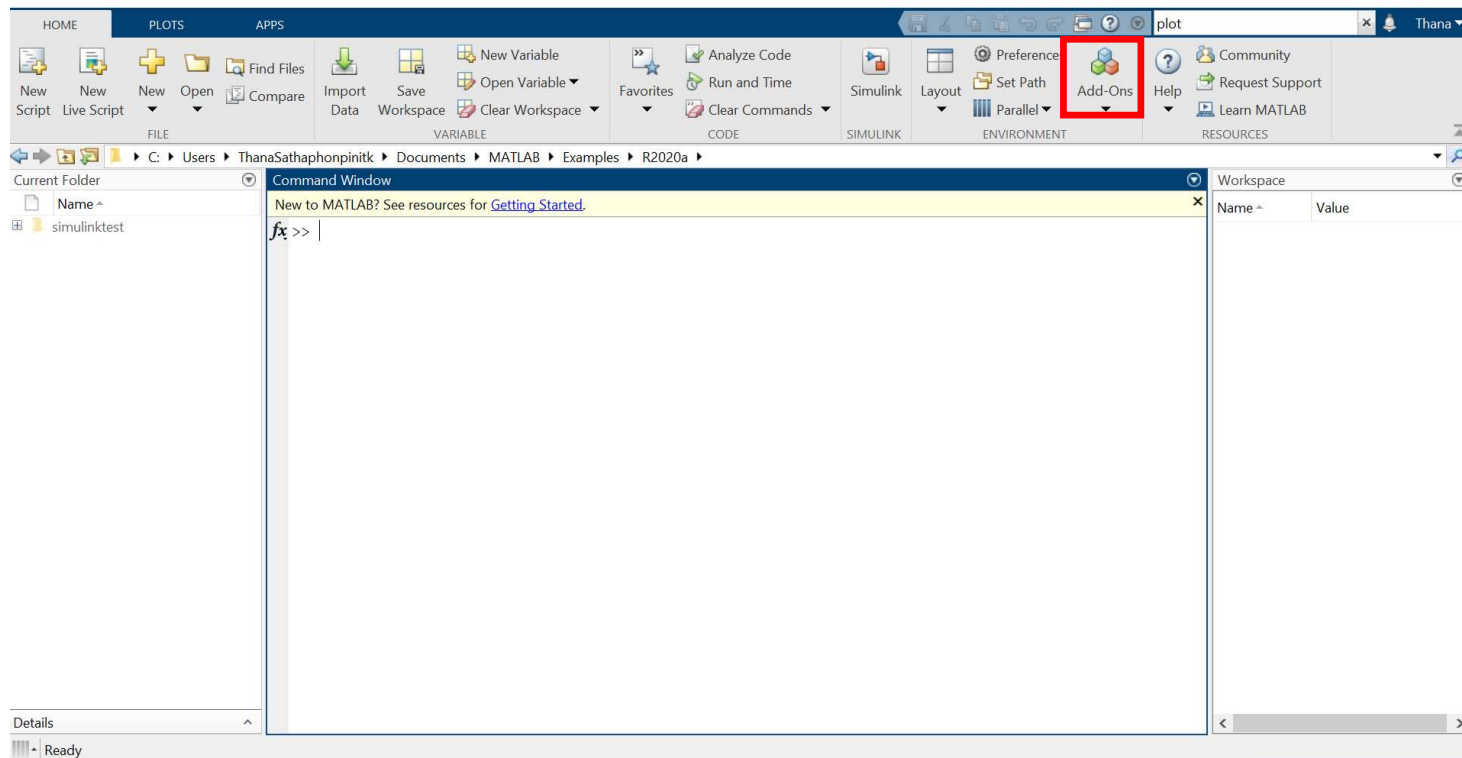
6. Click on the 'Administrator(s)' tab
7. Click 'Add Administrators'
8. Enter the Email Address for the new Administrator
9. If necessary, modify if the new Administrator should receive email notifications for Software Maintenance Service
10. Click 'Add'

A Confirmation message will be displayed that the new Administrator has been added to the Master License.
An Email Confirmation will be sent to all Administrators on the Master License.



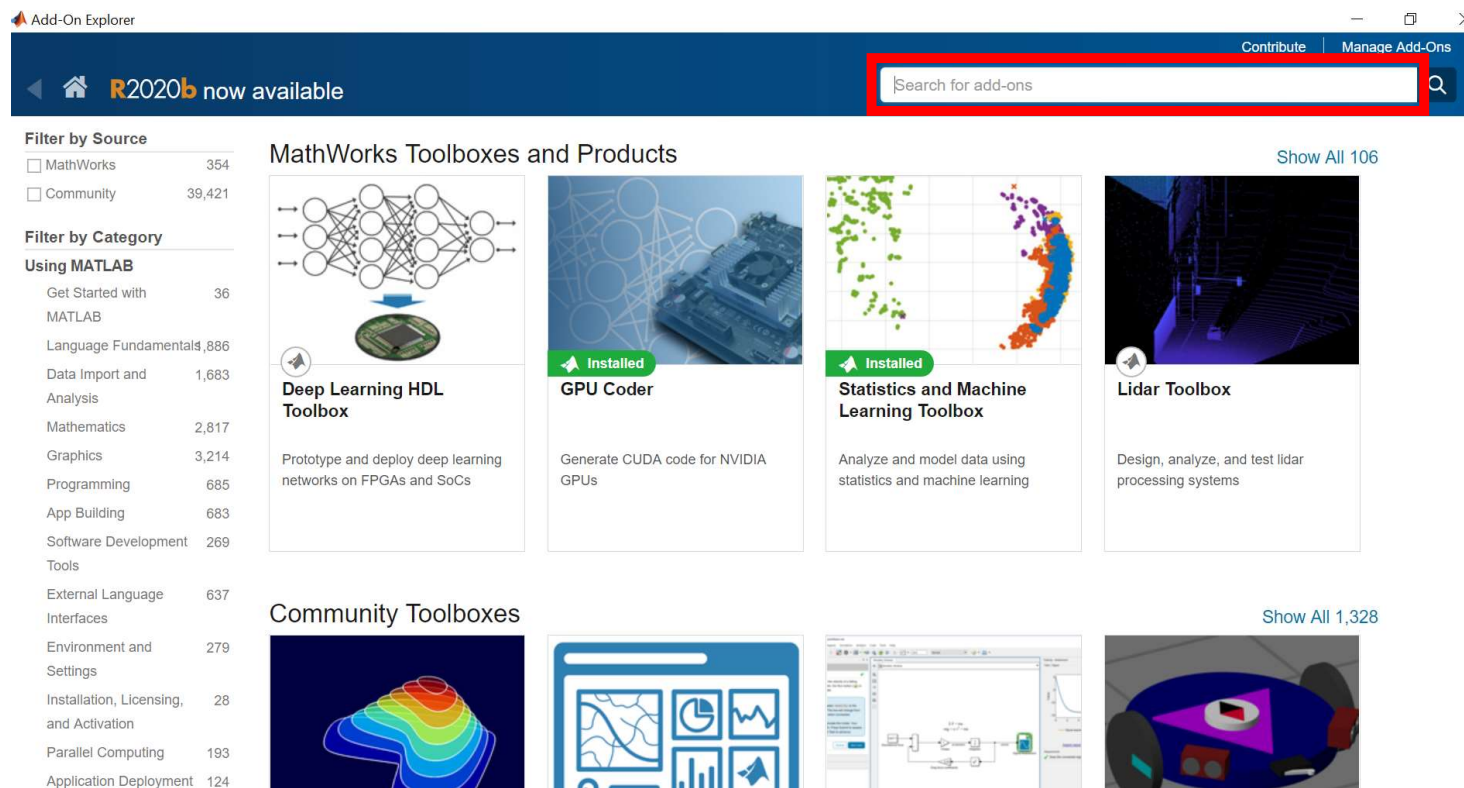
Add other toolboxes to MATLAB

Open MATLAB Desktop and click on "Add-Ons"



Add other toolboxes to MATLAB

Search toolbox's name which use for add to MATLAB



The screenshot displays the MATLAB Add-On Explorer window. At the top, a dark blue header bar contains the title "Add-On Explorer", a home icon, a notification "R2020b now available", and a search bar labeled "Search for add-ons" which is highlighted with a red rectangle. To the right of the search bar are links for "Contribute" and "Manage Add-Ons".

On the left side, there are two filter sections:

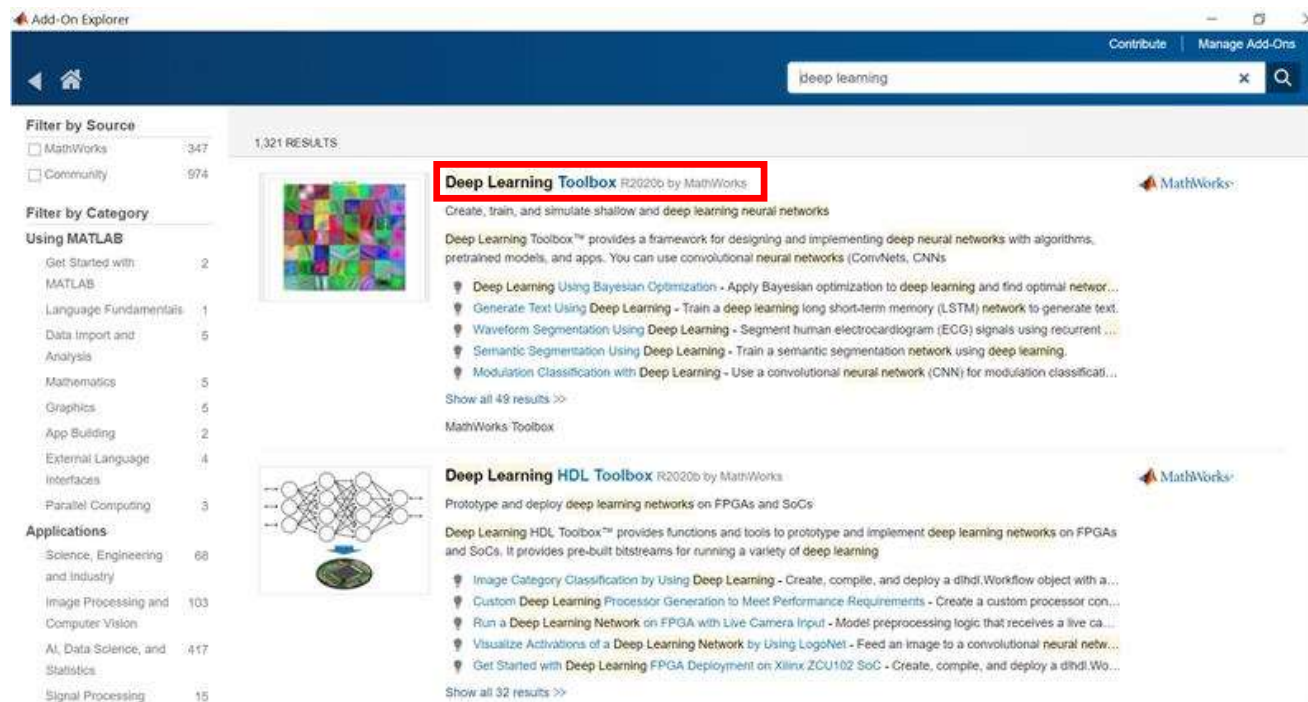
- Filter by Source:** Includes checkboxes for "MathWorks" (354) and "Community" (39,421).
- Filter by Category:** Includes a section for "Using MATLAB" with various categories and their counts: Get Started with MATLAB (36), Language Fundamentals (886), Data Import and Analysis (1,683), Mathematics (2,817), Graphics (3,214), Programming (685), App Building (683), Software Development Tools (269), External Language Interfaces (637), Environment and Settings (279), Installation, Licensing, and Activation (28), Parallel Computing (193), and Application Deployment (124).

The main content area is divided into two sections:

- MathWorks Toolboxes and Products:** This section features four toolbox cards, each with a "Show All" link. The first card is the "Deep Learning HDL Toolbox" (prototype and deploy deep learning networks on FPGAs and SoCs). The second is the "GPU Coder" (generate CUDA code for NVIDIA GPUs). The third is the "Statistics and Machine Learning Toolbox" (analyze and model data using statistics and machine learning). The fourth is the "Lidar Toolbox" (design, analyze, and test lidar processing systems). Each card has an "Installed" badge.
- Community Toolboxes:** This section features four community toolbox cards, each with a "Show All" link. The first card shows a colorful 3D surface plot. The second card shows a dashboard with various charts and graphs. The third card shows a Simulink block diagram. The fourth card shows a 3D model of a car chassis.

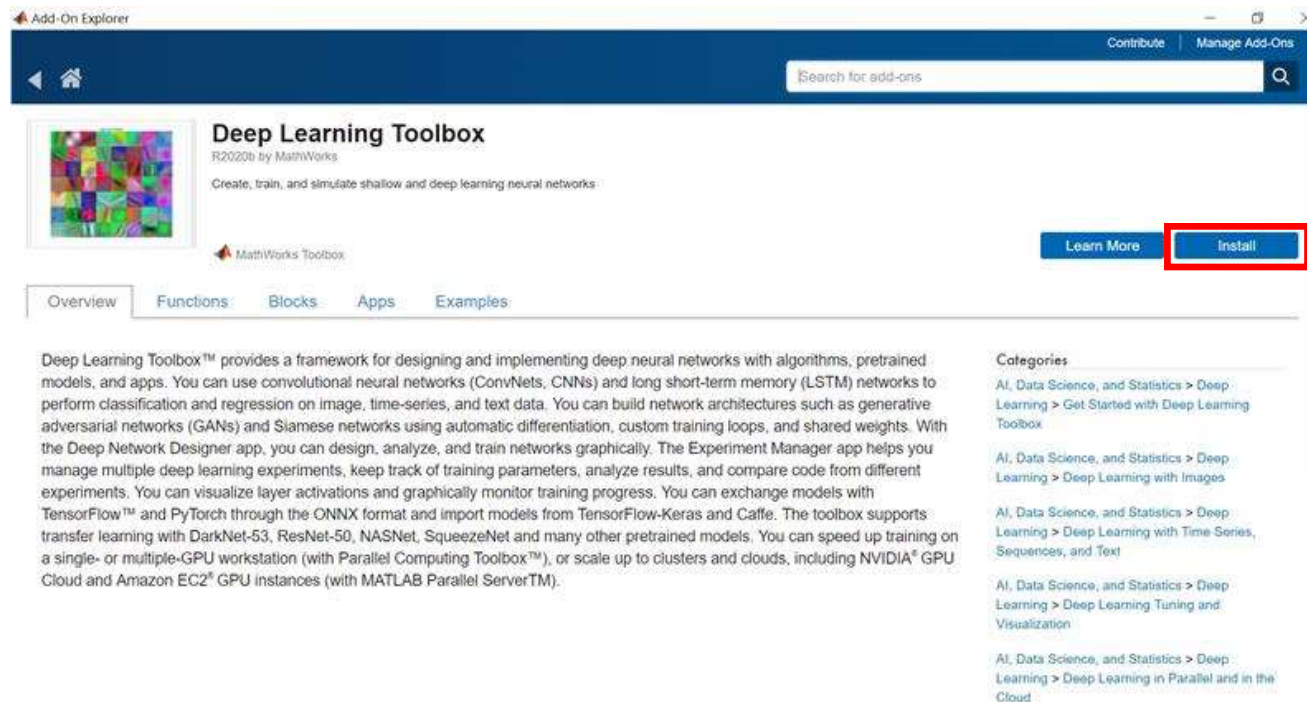
Add other toolboxes to MATLAB

Select toolbox



Add other toolboxes to MATLAB

Click on "install"





Ascendas Solutions: Tools & Support

Technical Support:

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Thank you



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