Using MATLAB on Mac OS 10.6 (Snow Leopard)

> ⓘ **Important**
>
> - MATLAB 2014a on Mac OS is not capable of evaluating or returning values via the **Simulation** console, which causes the modeling tool to
>
>   freeze. To solve this problem, you must upgrade MATLAB to 2014b or later.
>
> - For Mac users, Simulation Toolkit Version 18.5 SP2 and later can integrate with MATLAB **2016b** seamlessly without disabling System Integrity

To disable OS X El Capitan's System Integrity Protection (for Mac OS X)
    Protection (SIP) unless it is necessary to disable SIP (as a new feature of the latest OS X El Capitan) for successful integration.

1. Restart your Mac.
2. As soon as the screen turns black, hold down the **command + R** keys to access the Recovery Partition.
3. When the Apple logo appears on the screen, release the keys.
4. Click the **Utilities** menu and select **Terminal**.
5. Type **csrutil disable** in the **Terminal** dialog and press **Return**. A message will appear to indicate that SIP has been disabled.
6. Restart your Mac again for the changes to take effect.
7. Run MagicDraw/Cameo Systems Modeler and integrate it with MATLAB.

To use MATLAB® on Mac OS 10.6 (Snow Leopard)

1. Install MATLAB®.
2. Type the following commands in the terminal to show all files in Finder
    - $ defaults write com.apple.finder AppleShowAllFiles TRUE
    - $ killall Finder
3. Add the **DYLD_LIBRARY_PATH** variable to Mac OS:
    3.1 Create an empty text file in the /etc folder and name it: *launchd.conf*.
    3.2 Open it with a text editor, for example, TextEdit, and type the following text (no space)

    ```
    setenv DYLD_LIBRARY_PATH /Applications/MATLAB_R2010b.app/bin/maci64:
    /Applications/MATLAB_R2010b.app/runtime/maci64
    ```

    3.3 Save the text file as *launchd.conf* to the desktop.
    3.4 Move the *launchd.conf* file to the /etc folder.
4. Create a link to the MATLAB® executable file in /usr/bin if it does not yet exist.
5. Call the following commands in the terminal
    - $ cd /usr/bin
    - $ ln -s /Applications/MATLAB_R2010b.app/bin/matlab matlab
6. Type the following commands in the terminal to reset Finder
    - $ defaults write com.apple.finder AppleShowAllFiles FALSE
    - $ killall Finder
7. Restart Mac OS.

> ⚠️ **Note**
>
> You can also use MATLAB if you are using MagicDraw 18.0 on either Mac OS X 10.10 Yosemite or Mac OS X 10.11 El Capitan by following these
>
> steps:

Related pages

1. Disable the SIP (if your Mac is OS X El Capitan) by following the instruction for disabling OS X El Capitan's System Integrity Protection (SIP).

- Integration with MATLAB
- 2. Install MATLAB®.
- Using MATLAB on Microsoft Windows
- Using MATLAB on Linux
- 3. Create the file *com.nomagic.magicdraw.simulation.mathengine.plist*.
- Integration with external Evaluators

    3.1 Create a text file and type the following text.

    ```
    <!DOCTYPE plist PUBLIC"-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
    <plist version="1.0">
    <dict>
    <key>Label</key>
    <string>com.nomagic.magicdraw.simulation.mathengine.plist</string>
    <key>ProgramArguments</key>
    <array>
    <string>sh</string>
    <string>-c</string>
    <string>
    launchctl setenv DYLD_LIBRARY_PATH
    /Applications/MATLAB_R2012a.app/bin/maci64:/Applications/MATLAB_R2012a.app/runtime/maci64
    </string></array><key>RunAtLoad</key><true/></dict></plist>
    ```