

# Ubuntu 下安装 MATLAB 7.0

## 一、准备工作

打开电驴，搜索MathWorks MatLab R14，使用迅雷（驴子下载速度太慢）下载Matlab 7 R 14 for Linux MacOSX unix 多用版。

下载资源：

```
ed2k://|file|[MathWorks.矩阵实验  
室.R14].Matlab.7.R14.for.MacOSX.Unix.Linux.CD1.iso|345106432|  
251a4ee22bfb3d4770adc7ee8839fb01|h=FMVIWLCBCUPUMZCLETLYN4WWVN50XEG3|/
```

```
ed2k://|file|[MathWorks.矩阵实验  
室.R14].Matlab.7.R14.for.MacOSX.Unix.Linux.CD2.iso|463192064|  
6f4b7ac769a646e3512e436c010169a2|h=4JIIA6NZ2V7RNMV762FZQWHT2C5POHDA|/
```

```
ed2k://|file|[MathWorks.矩阵实验  
室.R14].Matlab.7.R14.for.MacOSX.Unix.Linux.CD3.iso|435013632|  
cbb429882b706a5c5d316a2c1bd8e28|h=UJWLNFGS27P5JDS5DPY26GJSP4UGSEM|/
```

```
ed2k://|file|[MathWorks.矩阵实验  
室.R14].Matlab.7.R14.for.MacOSX.Unix.Linux.License.zip|2367|  
c3b04db7c5adbf05fe016a9a0bbe882b|h=DVBE2D07EKZSJH0JRLIYJN7SUWFR03GY|/
```

## 二、安装

1. 创建Matlab 安装目录：

```
$ sudo mkdir /usr/local/matlab
```

2. 解压Matlab.7.R14.for.MacOSX.Unix.Linux.License.zip 文件，然后将其中的 license.dat.install.txt 文件拷贝到Matlab 7.0 安装目录。操作命令如下所示：

```
$ cd Matlab.7.R14.Linux/Matlab.7.R14.for.MacOSX.Unix.Linux.License
```

```
$ sudo cp license.dat.install.txt /usr/local/matlab/license.dat
```

3. 挂载 ISO 文件并安装

使用如下命令进行操作：

```
$ cd ..
```

```
$ sudo mount Matlab.7.R14.for.MacOSX.Unix.Linux.CD1.iso /media/cdrom0/ -t  
iso9660 -o loop
```

```
$ sudo /media/cdrom0/install
```

安装过程会提示您插入其它两个 ISO 文件，使用如下命令操作（先卸载后挂载）：

(1) 卸载 CD1.iso，挂载 CD2.iso

```
$ sudo umount /media/cdrom0
```

```
$ sudo mount Matlab.7.R14.for.MacOSX.Unix.Linux.CD2.iso /media/cdrom0/ -t  
iso9660 -o loop
```

(2) 卸载 CD2.iso，挂载 CD3.iso

```
$ sudo umount /media/cdrom0
```

```
$ sudo mount Matlab.7.R14.for.MacOSX.Unix.Linux.CD3.iso /media/cdrom0/ -t iso9660 -o loop
```

4. 上述安装完毕后，修改 Matlab.7.R14.for.MacOSX.Unix.Linux.License 目录中的 license.lic 文件，将 “Claudius-iBook.local” 修改成您的计算机名。操作命令如下所示：

```
$ cd Matlab.7.R14.for.MacOSX.Unix.Linux.License
$ hostname
$ gedit license.lic
```

用 hostname 命令显示的信息替换 “Claudius-iBook.local”，就笔者的机器而言，计算机名为 young-laptop。然后将修改后的 license.lic 文件拷贝到 Matlab 安装目录下的 etc 目录中，操作命令如下所示：

```
$ sudo cp license.lic /usr/local/matlab/etc
```

5. 运行 sudo /usr/local/matlab/install\_matlab 安装 Matlab，安装画面如下所示：

```
Welcome to the MATLAB NORMAL Install
```

Be prepared to provide MATLAB system configuration information for the tasks:

```
-----
| ALWAYS DONE - |
| A1. Create scripts in $MATLAB/bin directory |
| A2. Generate MATLAB path in $MATLAB/toolbox/local/pathdef.m |
| A3. Install M-files in $MATLAB/toolbox/local directory |
| |
| OPTIONAL (asked first) - |
| B1. Create symbolic links to scripts in $MATLAB/bin directory |
| B2. Install the FLEXlm Network License Manager |
| |
| ALWAYS DONE (if license manager is installed) - |
| C1. Create scripts in $MATLAB/etc directory |
| C3. Create template license.dat file in $MATLAB/etc directory |
| |
| OPTIONAL (asked first if license manager is installed) - |
| C2. Build symbolic links /etc/lmboot_TMW, /etc/lmdown_TMW |
| |
-----
```

```
Continue? ([y]/n) y
```

```
Verify MATLAB root directory path
```

```
-----
| The MATLAB root directory path has been determined to be: |
```

\$MATLAB = /usr/local/matlab

```
| This path affects filesystem changes made in the following steps: |
|
|   A1. Create scripts in $MATLAB/bin directory |
|   A2. Generate MATLAB path in $MATLAB/toolbox/local/pathdef.m |
|   B1. Create symbolic links to scripts in $MATLAB/bin directory |
|   C2. Build symbolic links /etc/lmboot_TMW, /etc/lmdown_TMW |
|   C3. Create template license.dat file in $MATLAB/etc directory |
|
| Check the MATLAB root directory path carefully! If it is part of: |
|   1. An AUTOMOUNTED filesystem - the path must force a mount |
|   2. An AFS filesystem          - the path must be read-write |
| Press <return> if OK. Otherwise, provide the correct pathname below. |
-----
```

MATLAB root directory? ([/usr/local/matlab])

-----> /usr/local/matlab

Update MATLAB

-----

Working . . .

Continue? ([y]/n) y

A1. Create scripts in \$MATLAB/bin directory

-----

Creating \$MATLAB/bin scripts . . .

Script	Changed?	Old Copy in bin/old
-----	-----	-----
engopts.sh	No	
f90opts.sh	No	
gccopts.sh	No	

```
matlab          No
matopts.sh     No
mbuild         No
mbuildopts.sh  No
mcc            No
mex            No
mexopts.sh     No
optsetup.sh    No
.matlab7rc.sh  No
```

Continue? ([y]/n) **y**

A2. Generate MATLAB path in /usr/local/matlab/toolbox/local/pathdef.m

-----

Creating MATLAB path . . .

A3. Install M-files in \$MATLAB/toolbox/local directory

-----

Creating \$MATLAB/toolbox/local M-files . . .

M-file	Changed?	Old Copy in toolbox/local/old
-----	-----	-----
matlabrc.m	No	

Continue? ([y]/n) **y**

B1. Create symbolic links to scripts in \$MATLAB/bin directory

-----

```
-----
| To make 'matlab' and 'mex' valid commands on your system you have |
| a choice of: |
| |
| [a] Creating symbolic links to the $MATLAB/bin scripts in a |
|     directory of your choice that is already on your UNIX search |
|     path, or |
| |
| [b] Adding the $MATLAB/bin directory to your UNIX search path. |
-----
```

Do you want to create symbolic links to \$MATLAB/bin scripts? ([y]/n) **y**

```
-----  
! Please specify the full pathname of the ACCESS directory for MATLAB. |  
|  
| Choose a directory that exists and is appropriate to your needs. |  
| Common example is: /usr/local/bin |  
|  
| The ACCESS directory will contain the following links to scripts |  
| built by step A1: |  
|  
| matlab -> $MATLAB/bin/matlab |  
| mex -> $MATLAB/bin/mex |  
| mcc -> $MATLAB/bin/mcc (if you have the MATLAB Compiler) |  
| mbuild -> $MATLAB/bin/mbuild (if you have the MATLAB Compiler) |  
-----
```

MATLAB access directory? ([/usr/local/bin]) **/usr/local/bin**

Linking to \$MATLAB/bin scripts . . .

```
matlab -> $MATLAB/bin/matlab  
mex -> $MATLAB/bin/mex  
mcc -> $MATLAB/bin/mcc  
mbuild -> $MATLAB/bin/mbuild
```

Continue? ([y]/n) **y**

## B2. Install the FLEXlm Network License Manager

```
-----
```

```
-----  
| NOTE: A pre-existing license file (license.dat) in the $MATLAB/etc |  
| directory will be PRESERVED by this installation. |  
|  
| If you need to install the license manager at a later time |  
| or on another host run this install program again selecting |  
| the 'LICENSE MANAGER ONLY' install option. |  
-----
```

Install the FLEXlm License Manager for MATLAB? ([y]/n) **y**

C1. Create scripts in \$MATLAB/etc directory

-----

Creating \$MATLAB/etc scripts . . .

Script	Changed?	Old Copy in etc/old
-----	-----	-----
1mboot	No	
1mdiag	No	
1mdown	No	
1mhostid	No	
1m_matlab	No	
1mopts.sh	No	
1mremove	No	
1mreread	No	
1mstart	No	
1mstat	No	
1mswitchr	No	
1mver	No	

Continue? ([y]/n) **y**

C2. Build symbolic links /etc/1mboot\_TMW, /etc/1mdown\_TMW

-----

```
-----
| If you want to be able to reboot your machine and have the license |
| manager running after the reboot you need to create link files     |
|           /etc/1mboot_TMW -> $MATLAB/etc/1mboot                     |
|           /etc/1mdown_TMW -> $MATLAB/etc/1mdown                     |
| These links are OUTSIDE the MATLAB root directory and REQUIRE     |
| superuser privilege to create.                                     |
|                                                                     |
| You have the choice of creating the symbolic links:                |
|   [a] Now.                                                         |
|   [b] After the install is finished.                              |
-----
```

Do you want to create the symbolic links now? ([y]/n) **y**

/etc/1mboot\_TMW -> \$MATLAB/etc/1mboot link created . . .

```
/etc/lmdown_TMW -> $MATLAB/etc/lmdown link created . . .
```

Continue? ([y]/n) **y**

### Starting/Stopping the License Manager

```
-----  
| If your license file requires you to run the license manager then |  
| at the UNIX prompt, login to your license manager host. Change   |  
| your directory to $MATLAB/etc and execute the command:          |  
|                                                                    |  
|          lmstart          (to start the license manager)         |  
|          lmdown          (to stop the license manager)           |  
|                                                                    |  
| The same user that executed 'lmstart' should ALWAYS execute     |  
| 'lmdown'.                                                         |  
-----
```

Continue? ([y]/n) **y**

```
-----  
| Finished! This completes the:                                     |  
|                                                                    |  
|          NORMAL install                                         |  
|                                                                    |  
|          for this host.                                          |  
-----
```

(1) 下载 Matlab Icon，使用如下命令将其拷贝到/usr/share/icons 目录中：

```
$ sudo cp Matlab_Logo.png /usr/share/icons
```

(2) 创建启动器

在”名称 (N)”后面的文本框中填写“Matlab 7.0”，在“命令”其后的文本框填写“/usr/local/bin/matlab -desktop”。到此为止，安装完全结束，您可以开始使用 Matlab。

### 安装可能会出现一些问题

解决方法请参考如下链接：

1. <https://help.ubuntu.com/community/MATLAB/R2009b>

2. [http://www.quhuashuai.com/2007/08/install\\_matlab\\_on\\_ubuntu/](http://www.quhuashuai.com/2007/08/install_matlab_on_ubuntu/)



### 参考资料

<http://www.oklinux.cn/html/Basic/jy.jq/20080412/51297.html>

默之

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