



EDABK LABORATORY QUESTASIM GUIDELINES

FOR QUESTASIM 10.7C LINUX64

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Document History

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1 INTRODUCTION

This document provides a set of guidelines for installing Mentor Graphics QuestaSim 10.7c Linux64 and crack it.

2 INSTALL QUESTASIM 10.7C

1. Download [Mentor Graphics QuestaSim 10.7c Linux64](https://hustedu.vn-my.sharepoint.com/:f:/g/personal/lam_pn182628_sis_hust_edu_vn/Et1XY8n3EldHsQHsbEpTeG0BJ7epj9H6CX0016Jt7bckyg?e=j3sOXB) from this link:

https://hustedu.vn-my.sharepoint.com/:f:/g/personal/lam_pn182628_sis_hust_edu_vn/Et1XY8n3EldHsQHsbEpTeG0BJ7epj9H6CX0016Jt7bckyg?e=j3sOXB

Tip: Create folder Mentor Graphics QuestaSim 10.7c Linux64.

Download each file one by one if unzip error into folder just been created.

Folder Crack can download zip then unzip it.

2. Open Terminal in Mentor Graphics QuestaSim 10.7c Linux64

```
lam@lam:~/Downloads/Mentor Graphics QuestaSim 10.7c Linux64$ ll
total 1511404
drwxrwxr-x 3 lam lam      4096 Thg 3  17 09:42 ./
drwxr-xr-x 4 lam lam      4096 Thg 3  17 16:50 ../
drwxrwxr-x 3 lam lam      4096 Thg 3  15 18:45 Crack/
-rwxrwxr-x 1 lam lam    72292736 Thg 3  15 18:30 install.linux64*
-rw-rw-r-- 1 lam lam      6987 Thg 3  15 18:30 INSTALL_NOTES.txt
-rw-rw-r-- 1 lam lam    651183470 Thg 3  15 18:27 questasim-base.mis
-rw-rw-r-- 1 lam lam    823360880 Thg 3  15 18:24 questasim-docs.mis
-rw-rw-r-- 1 lam lam    223486988 Thg 3  15 18:27 questasim-gcc-linux_x86_64.mis
-rw-rw-r-- 1 lam lam    403048418 Thg 3  15 18:29 questasim-linux_x86_64.mis
-rw-rw-r-- 1 lam lam    115289790 Thg 3  15 18:29 regassistvm_4.9_ixl.mis
lam@lam:~/Downloads/Mentor Graphics QuestaSim 10.7c Linux64$
```

3. Make file executable:

```
chmod +x install.linux64
```

```
./install.linux64
```

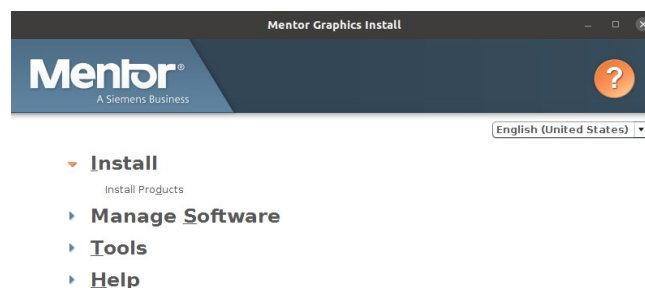
```
lam@lam:~/Downloads/Mentor Graphics QuestaSim 10.7c Linux64$ chmod +x install.linux64
lam@lam:~/Downloads/Mentor Graphics QuestaSim 10.7c Linux64$ ./install.linux64

Installing Mentor Graphics Install version v5.7-022 to /home/lam/mgc/install.aol

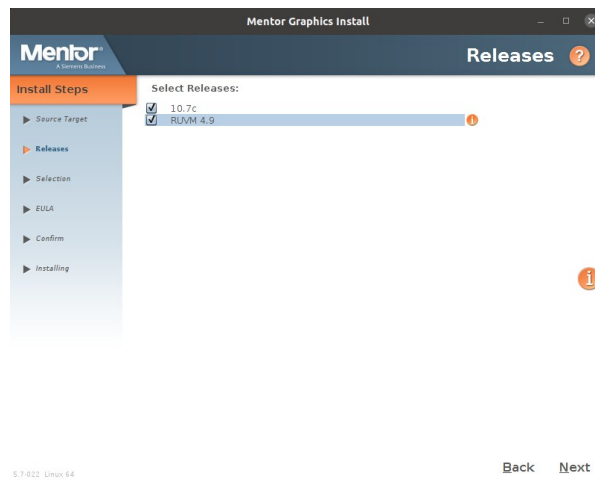
Installation in progress ... Please Wait
0%--10%--20%--30%--40%--50%--60%--70%--80%--90%--100%
|||||
Successfully installed Mentor Graphics Install to: /home/lam/mgc/install.aol
lam@lam:~/Downloads/Mentor Graphics QuestaSim 10.7c Linux64$ Using Java version 1.8.0
lam@lam:~/Downloads/Mentor Graphics QuestaSim 10.7c Linux64$
```

4. Install:

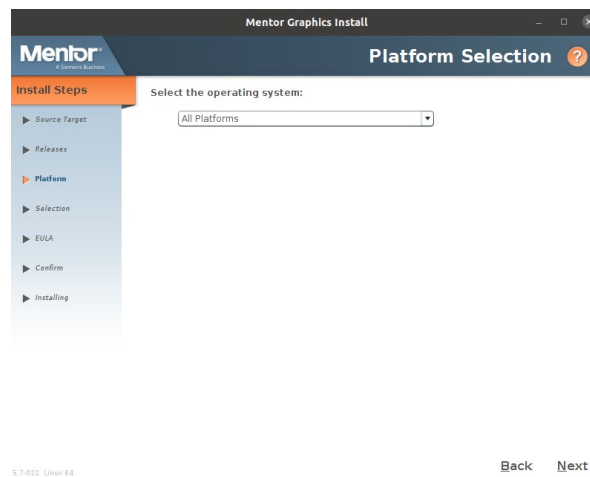
Click Install to install it. Then, click Browse to select target location



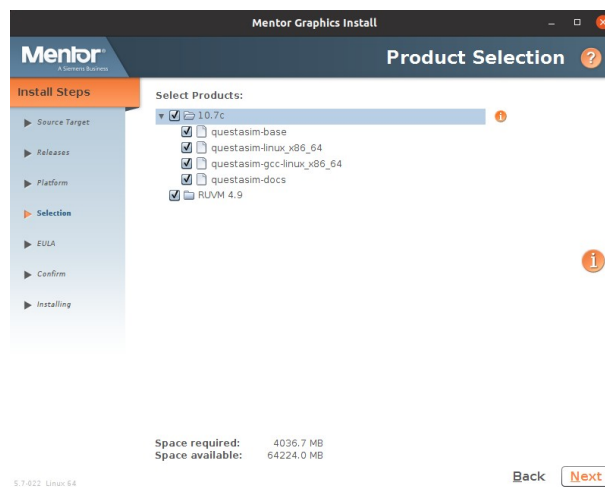
Select both of them



Next, select All Platforms



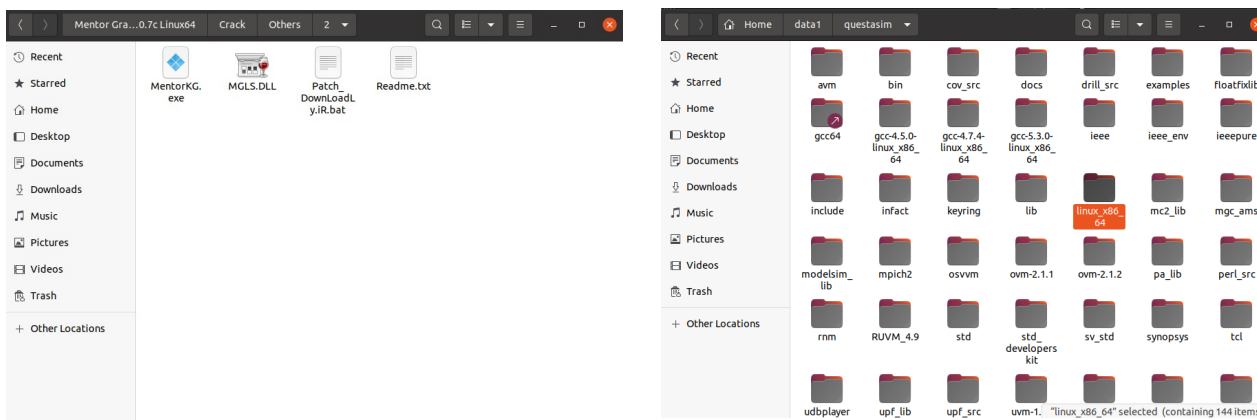
Then, select all of them



Finally, Agree and Install → Exit

3 CRACK QUESTASIM 10.7C

1. Copy 3 files (MentorKG.exe, MGLS.DLL, Patch_DownloadLy.iR.bat) from folder Crack/Others/2 and Paste in ../questasim/linux_x86_64.



2. Install **wine**: <https://wiki.winehq.org/Ubuntu>
3. Open Terminal in linux_x86_64, then run file **Patch_DownloadLy.iR.bat** with **wine**

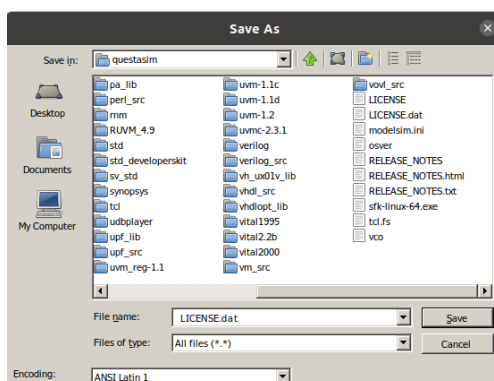
```
lam@lam:~/data1/questasim/linux_x86_64$ chmod +x Patch_DownloadLy.iR.bat
lam@lam:~/data1/questasim/linux_x86_64$ wine Patch_DownloadLy.iR.bat
```

Note: Install everything if have request.

4. Remove comment 2 first lines in LICENSE.TXT. Then, add path as this picture:

```
File Edit Search Help
SERVER lam 30d0421069d5 27001
VENDOR mgclid /home/lam/data1/questasim
```

5. Save as LICENSE.dat into folder /questasim



6. Add path to the last line of `./bashrc` (Open Terminal → `gedit ~/.bashrc`)

```
export PATH=$PATH:../questasim/bin/
```

```
export LM_LICENSE_FILE=../questasim/LICENSE.dat
```

```
export PATH=$PATH:/home/lam/data1/questasim/bin/
export LM_LICENSE_FILE=/home/lam/data1/questasim/LICENSE.dat
```

7. `source ~/.bashrc`

```
lam@lam:~/data1/questasim$ gedit ~/.bashrc
lam@lam:~/data1/questasim$ source ~/.bashrc
lam@lam:~/data1/questasim$
```

8. Download SFK: <http://stahlworks.com/downloads.html> download file SFK for Linux (i686 64 bits executable)



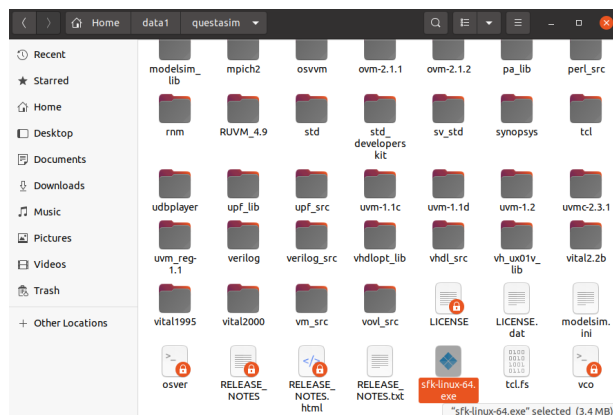
The Swiss File Knife.

- One Hundred Command Line Tools in a Single Executable for Windows (XP to 10), Linux and Apple Macintosh.
- The **Freeware edition** supports everything except direct reading of .zip, .tar.gz and .tar.bz2 file contents and high performance replace.

Download the Freeware binaries here:

- SFK for Windows (7 to 10)
- SFK for Windows XP
- SFK for Mac OS X (i686 64 bits executable)
- SFK for Linux (i686 64 bits executable)
- SFK for Linux (i386 32 bits lib6 based systems)
- SFK for Linux (i386 32 bits lib5 based systems)
- SFK for ARM Linux (32 bits like Raspberry Pi)
- SFK for Mac OS X (32 bits PPC executable)

9. Move file `sfk-linux-64.exe` into `/questasim`



10. Open Terminal in `/questasim`

```
chmod +x sfk-linux-64.exe
```

```
lam@lam:~/data1/questasim$ chmod +x sfk-linux-64.exe
lam@lam:~/data1/questasim$
```

11. Run sfk

```
sudo wine ./sfk-linux-64.exe rep -yes -pat -bin /5589E557565381ECD00000008B5508/31C0C357565381ECD00000008B5508/ -bin /5589E557565381ECD8000000E8000000005B81C3/33C0C357565381ECD8000000E8000000005B81C3/ -bin /41574989FF415641554154554889CD534489C3/33C0C389FF415641554154554889CD534489C3/ -dir home/lam/data1/questasim
```

```
lam@lam:~/data1/questasim$ chmod +x sfk-linux-64.exe
lam@lam:~/data1/questasim$ sudo wine ./sfk-linux-64.exe rep -yes -pat -bin /5589E557565381ECD00000008B5508/31C0C357565381ECD00000008B5508/ -bin /5589E557565381ECD8000000E8000000005B81C3/33C0C357565381ECD8000000E8000000005B81C3/ -bin /41574989FF415641554154554889CD534489C3/33C0C389FF415641554154554889CD534489C3/ -dir home/lam/data1/questasim
[sudo] password for lam:
```

Note: Install everything if have request.

```
2.7/email/test/_init_.py - skipping
warn : sfk rep: empty file: /home/trung/Downloads/Mentor/questasim/udbplayer/undb-4.8.0.1711/package-gdb/install/x64/share/python/lib/python2.7/bsddb/test/_init_.py - skipping
warn : sfk rep: empty file: /home/trung/Downloads/Mentor/questasim/udbplayer/undb-4.8.0.1711/package-gdb/install/x64/share/python/lib/python2.7/sqlite3/test/_init_.py - skipping
warn : sfk rep: empty file: /home/trung/Downloads/Mentor/questasim/udbplayer/undb-4.8.0.1711/package-gdb/install/x64/share/python/lib/python2.7/lib-tk/test/test_ttk/_init_.py - skipping
warn : sfk rep: empty file: /home/trung/Downloads/Mentor/questasim/udbplayer/undb-4.8.0.1711/package-gdb/install/x64/share/python/lib/python2.7/lib-tk/test/test_tkinter/_init_.py - skipping
[001/1/2] ...aturemgr_4.0.0.201710251526/mgls/VC0/ixl/lib/mgls_async
73% ...g/Downlowarn : sfk rep: empty file: /home/trung/Downloads/Mentor/questasim/RUVN_4.9/jre/lib/security/trusted.libraries - skipping
[001/1/2] .../Mentor/questasim/RUVN_4.9/jre/lib/i386/server/libjvm.so
73% ...g/Downloads/Mentor/questasim/RUVN_4.9/jre/lib/javawarn : sfk rep: empty file: /home/trung/Downloads/Mentor/questasim/RUVN_4.9/p2/org.eclipse.equinox.p2.engine/profileRegistry/profile.profile.lock - skipping
27172 files checked, 4 changed.
Errors, 134 warnings occurred.
^C
trung@LegionT:~/Downloads/Mentor/questasim$
```

Ctrl + C: interrupt process → done

12. Install LSB

```
sudo apt install lsb
```

13. Run command

```
sudo ./linux_x86_64/mgls/bin/lmgrd -c ./LICENSE.dat
```

Note:

- Can't make directory `usr/tmp/.flexlm`, `errno: 2(No such file or directory)`

→ `sudo ln -s /tmp /usr/tmp`

```
21:43:43 (mgcld) (@mgcld-SLOG@) Start-Date: Sat Mar 12 2022 21:43:43 +07
21:43:43 (mgcld) (@mgcld-SLOG@) PID: 28092
21:43:43 (mgcld) (@mgcld-SLOG@) VD Version: v11.14.1.3 build 212549 x64_lsb ( build 212549 (lpv6))
21:43:43 (mgcld) (@mgcld-SLOG@)
21:43:43 (mgcld) (@mgcld-SLOG@) === Startup/Restart Info ===
21:43:43 (mgcld) (@mgcld-SLOG@) Options file used: None
21:43:43 (mgcld) (@mgcld-SLOG@) Is vendor daemon a CVD: No
21:43:43 (mgcld) (@mgcld-SLOG@) Is TS accessed: No
21:43:43 (mgcld) (@mgcld-SLOG@) TS accessed for feature load: -NA-
21:43:43 (mgcld) (@mgcld-SLOG@) Number of VD restarts since LS startup: 0
21:43:43 (mgcld) (@mgcld-SLOG@)
21:43:43 (mgcld) (@mgcld-SLOG@) === Network Info ===
21:43:43 (mgcld) (@mgcld-SLOG@) Listening port: 60641
21:43:43 (mgcld) (@mgcld-SLOG@) Daemon select timeout (in seconds): 1
21:43:43 (mgcld) (@mgcld-SLOG@)
21:43:43 (mgcld) (@mgcld-SLOG@) === Host Info ===
21:43:43 (mgcld) (@mgcld-SLOG@) Host used in license file: LegionT
21:43:43 (mgcld) (@mgcld-SLOG@) Running on Hypervisor: Not determined - treat as Physical
21:43:43 (mgcld) (@mgcld-SLOG@) =====
21:43:43 (mgcld) (@mgcld-SLOG@) Can't make directory /usr/tmp/.flexlm, errno: 2(No such file or directory)
```


- (lmgrd) Failed to open the TCP port number in the license.

→ Open file `LICENSE.dat` → replace 27001 to 27002 (if still failed, 2700(3, 4, 5, ...))

```
lam@lam:~/data1/questasim$ 23:06:27 (lmgrd) Failed to open the TCP port number
in the license.
```

```
1 SERVER lam 30d0421069d5 27001
2 VENDOR mgcld /home/lam/data1/questasim
```

- Cannot open lock file. errno=11 (/var/tmp/lockmgcld): Resource temporarily unavailable

→ `cd /var/tmp` → `ls` for check file `lockmgcld` → `sudo mv lockmgcld lockmgcld.bak` → Open file `LICENSE.dat` → replace 27001 to 27002 (if still failed, 2700(3, 4, 5, ...))

➔ Installation Completely

```
20:36:10 (mgcld) Licenses are case sensitive for mgcld
20:36:10 (mgcld)
20:36:10 (mgcld) EXTERNAL FILTERS are OFF
20:36:10 (lmgrd) mgcld using TCP-port 60637
20:36:10 (mgcld) mgcld v9.17.7.9
20:36:10 (mgcld) SLOG: Statistics Log Frequency is 240 minute(s).
20:36:10 (mgcld) SLOG: TS update poll interval is 600 seconds.
20:36:10 (mgcld) SLOG: Activation borrow reclaim percentage is 0.
20:36:10 (mgcld) (@mgcld-SLOG@) =====
20:36:10 (mgcld) (@mgcld-SLOG@) === Vendor Daemon ===
20:36:10 (mgcld) (@mgcld-SLOG@) Vendor daemon: mgcld
20:36:10 (mgcld) (@mgcld-SLOG@) Start-Date: Wed Mar 16 2022 20:36:10 +07
20:36:10 (mgcld) (@mgcld-SLOG@) PID: 4493
20:36:10 (mgcld) (@mgcld-SLOG@) VD Version: v11.14.1.3 build 212549 x64_lsb ( build 212549 (ipv6))
20:36:10 (mgcld) (@mgcld-SLOG@)
20:36:10 (mgcld) (@mgcld-SLOG@) === Startup/Restart Info ===
20:36:10 (mgcld) (@mgcld-SLOG@) Options file used: None
20:36:10 (mgcld) (@mgcld-SLOG@) Is vendor daemon a CVD: No
20:36:10 (mgcld) (@mgcld-SLOG@) Is TS accessed: No
20:36:10 (mgcld) (@mgcld-SLOG@) TS accessed for feature load: -NA-
20:36:10 (mgcld) (@mgcld-SLOG@) Number of VD restarts since LS startup: 0
20:36:10 (mgcld) (@mgcld-SLOG@)
20:36:10 (mgcld) (@mgcld-SLOG@) === Network Info ===
20:36:10 (mgcld) (@mgcld-SLOG@) Listening port: 60637
20:36:10 (mgcld) (@mgcld-SLOG@) Daemon select timeout (in seconds): 1
20:36:10 (mgcld) (@mgcld-SLOG@)
20:36:10 (mgcld) (@mgcld-SLOG@) === Host Info ===
20:36:10 (mgcld) (@mgcld-SLOG@) Host used in license file: lam
20:36:10 (mgcld) (@mgcld-SLOG@) Running on Hypervisor: Not determined - treat as Physical
20:36:10 (mgcld) (@mgcld-SLOG@) =====
```