

This file will guide you to install and activate (IC618 ASSURA41 SPECTRE201 MMSIM151 INNOVUS181 Calibre2020.2A0I) (Tested on CentOS 8 stream)

- 1) ASSURA41 version must be compatible with IC design
- 2) MMSIM is discontinued and replaced by SPECTRE

you will need appropriate acquaintance with Linux environment.

It would be best if you had a dual boot (windows and CentOS)

Prior to installing Cadence tools, make sure the following are installed on the system:

install dependencies (Centos Stream 8)

```

sudo dnf install libstdc++.so.6 ✓
sudo dnf install redhat-lsb ✓
sudo dnf install libXext.so.6 -y ✓
sudo dnf install libXtst.so.6 ✓
sudo dnf install libXt.so.6 -y ✓
sudo dnf install libGLU.so.1 --setopt=protected_multilib=false ✓
sudo dnf install libelf.so.1 -y ✓
sudo dnf install libXrender.so.1 -y ✓
sudo dnf install libXp.so.6 -y ✓
sudo dnf install libXrandr.so.2 -y ✓
sudo dnf install xorg-x11-fonts-IS08859-1-75dpi.noarch xorg-x11-fonts-
IS08859-15-75dpi.noarch ✓
sudo dnf install libXp -y ✓
sudo dnf install openmotif -y ✓
sudo dnf install libstdc++.so.5( or libstdc++-devel.x86_64 libstdc++-devel.i686 ) -y ✓
sudo dnf install xterm -y ✓
sudo dnf install ksh ✓
sudo dnf install csh ✓
sudo dnf install java-1.8.0-openjdk.x86_64 ✓
sudo dnf install mesa-libglapi.x86_64 mesa-libglapi.i686 ✓
sudo dnf install libnsl.i686 libnsl.x86_64 ✗
sudo dnf install libXss ( or libXScrnSaver.i686 libXScrnSaver.x86_64 ) ✗
sudo dnf install libcrypto.so.10 ✓
sudo dnf install mesa-libglapi.x86_64 mesa-libglapi.i686
sudo dnf install glibc.x86_64 glibc.i686 ✓

```

Note that during this process, the installation of libstdc++.so.5 may report an error that the dependent library cannot be found. You can go to <http://rpmfind.netSearch> on libstdc++.so.5 and download the library for i686 32-bit

symlink the following:.

symlink /usr/bin/gawk or mawk to /bin/awk:

```
sudo ln -s /usr/bin/mawk /bin/awk ✗
```

symlink /usr/bin/basename to /bin/basename:

```
sudo ln -s /usr/bin/basename /bin/basename ✗
```

symlink /lib/x86\_64-linux-gnu/libncursesw.so.5.9 to /lib/libtermcap.so.2:

```
libncursesw.so.5.9 /lib/libtermcap.so.2 ✓
//MMSIM
```

```
sudo ln -s /lib/x86_64-linux-gnu/
```

```
libc6.2-2-2.10.0.so /usr/lib/libstdc++-libc6.1-1.so.2 ✓
```

```
sudo ln -s /usr/lib/libstdc++-3-
```

```
sudo ln -s /bin/gunzip /bin/uncompress ✗
```

```
sudo ln -s libcrypto.so.1.1 libcrypto.so.6 ✓
```

```

+.so.6 ✓
libncursesw.so.5.9 /lib/libtermcap.so.2 ✗
+.so.6 ✗
sudo ln -s /lib/i386-linux-gnu/libstdc+
sudo ln -s /lib/x86_64-linux-gnu/
sudo ln -s /lib/i386-linux-gnu/libstdc+
sudo ln -s libcrypto.so.1.1 libcrypto.so.6 ✗

```

These above probability will report an error indicating that the link already exists then:

```

cd /lib64 ✓
sudo ln -s libreadline.so.6 libreadline.so.5 ✓

cd /usr/lib64 ✓
sudo ln -s libhistory.so.6 libhistory.so.5 ✓

cd cd /usr/lib ✓
sudo ln -s libdl.so.2 /lib64/libdl.so ✗

```

It is highly advised to read all README files in license and patch directories before preceding with installation.

Summary of installing Cadence tools (assuming all Cadence tools are going to be installed in /opt/cadence directory):

1) install InstallScape by running the following sequence:

```

sudo mkdir -p /opt/cadence/installscape ✓
cd $HOME/cadence ($HOME is the directory in which you have your setup files)
sudo cp -r IScape04.23-s010lnx86.t.Z /opt/cadence/installscape ✓

```

```

cd /opt/cadence/installscape
sudo zcat IScape04.23-s010lnx86.t.Z | sudo tar -xvf - ✓

```

2) launch installscape by running the following sequence:

```

cd /opt/cadence/installscape/iscape/bin ✓
sudo ./iscape.sh ✓

```

and set up Preferences on Installscape properly, particularly set up Directories in Preferences as follows:

```

Cache Directory: /opt/cadence ✓
Default Install Directory: /opt/cadence ✓
Default Download Directory: $HOME/download, e.g. /home/johndoe/download

```

*/opt/cadence/download*

3) click Local directory/Media install button on Installscape and browse to the directory where holds all downloaded Cadence tool install files, e.g. ~/cadence, here ~=\$HOME, e.g. \$HOME=/home/johndoe, and select individual tool subdirectory to install ✓

\*\* say n for other openaccess installation directory

4) Once all Cadence tools are installed, cd to /opt/cadence and patch each tool by running the following (assuming you've already moved all patch program files here patch files under cadence\_patch) (\*do not use these for INNOVUS181) (can be used for Mentor Calibre) :

```

make all the files executable
sudo chmod u+x "file name"

```

```

sudo ./cadence_patch.sh tool_subdirectory ✗
e.g. sudo ./cadence_patch.sh IC617

```

*./cadence\_patch.sh GENUS191*

```

use (1.patch.sh) to patch INNOVUS181 in the same manner as cadence_patch.sh
e.g. sudo ./1patch.sh "INNOVUS181 Directory"

```

\*\*\*Donot create license folder for license.dat  
genrate the license file in windows use README under Cadence\_license

5) copy cadence license.dat to /opt/cadence/ by running the following:

```
sudo cp ~/license.dat /opt/cadence/
```

6) copy .bashrc or .cshrc file to design project directory:  
e.g. copy .cshrc to \$HOME/project1 (e.g. /home/johndoe/project1) (better simply copy Projects floder)

then run the following sequence to source:

\*\*Prior to this is better to command ./bashrc atleast one

```
cd project1
```

```
csh
```

```
source .cshrc
```

Now Cadence tool commands can be issued at C shell promt, e.g. virtuoso &

\*\* INNOVUS181 if encountered error :

version `CXXABI\_1.3.8' not found (required by /lib64/libGLU.so.1)

version `CXXABI\_1.3.9' not found (required by /lib64/libGLU.so.1)

Remove libstdc++ in the mentioned directory.

use the license.dat file under INNOVUS181\_patch if INNOVUS respondes with error to genrated license.dat previously

for installing Mentor graphics:

prepare install files

make directory

```
sudo mkdir -p /opt/Mentor/Calibre20/
```

```
sudo cp -r "install file .exe" /opt/Mentor/Calibre20/
```

```
sudo ./"install file .exe"
```

continue installation procedure

generate mentor graphics license use README under mentor\_license

\*\*don't create any folders for license.dat

copy license.dat to /opt/Mentor/Calibre20/

if needed by flexlm copy the license.dat to the mentioned folder

massivejaurs@outlook.com

=====  
www.downloadly.ir

Missing :

export LM\_LICENSE\_FILE = /opt/cadence/license/trase.d