

# Installing and Testing MarlinReco on Linux



This page is deprecated.

This page is obsolete. LDC software should be installed using the [ilcsoft-install](#) script provided by Jan Engels.

## Installing and Testing MarlinReco on Linux

### Overview

The [MarlinReco](#) package provides a suite of reconstruction software including an event processor and event display.

These are step-by-step instructions for installing on Linux.

### Procedure

1. Create a working directory

```
mkdir MarlinReco
cd MarlinReco
```

2. Obtain and unpack the installation files

```
wget http://www-flo.desy.de/software/MarlinReco/MarlinReco_Linux_install.tar.gz
tar -zxvf MarlinReco_Linux_install.tar.gz
cd linux
tar -zxvf ilcsoft.tar.gz
```

3. Use the latest MarlinReco from CVS (OPTIONAL)

This URL into your browser: <http://www-zeuthen.desy.de/lc-cgi-bin/cvsweb.cgi/MarlinReco/MarlinReco.tar.gz?cvsroot=MarlinReco;tarball=1>

```
cd marlin/0.9.1/packages
rm -rf MarlinReco
tar -zxvf MarlinReco.tar.gz
cd -
```

4. Update the hardcoded **/opt/products** path for your installation

```
chmod 755 update_path.sh
. update_path.sh marlin/0.9.1/env.sh
. update_path.sh marlin/0.9.1/env.sh_ORG
. update_path.sh marlin/0.9.1/userlib.gmk
```

5. Setup ROOT (OPTIONAL)

```
source setup-root.sh # specific to my environment
```

6. Set the Marlin environment

```
cd marlin/0.9.1
source env.sh_ORG
```

7. Rebuild Marlin and the MarlinReco packages (OPTIONAL)

```
gmake clean
gmake
```

8. Reconfigure CED event display (OPTIONAL)

Skip this step if you have the Mesa GLUT library installed into **/usr/lib**.

```
cd ../../
cd CED
cp /path/to/libglut.so.3 . # only if not in standard location
export LD_LIBRARY_PATH=$(pwd)
```

## 9. Start the event display

```
glced &
```

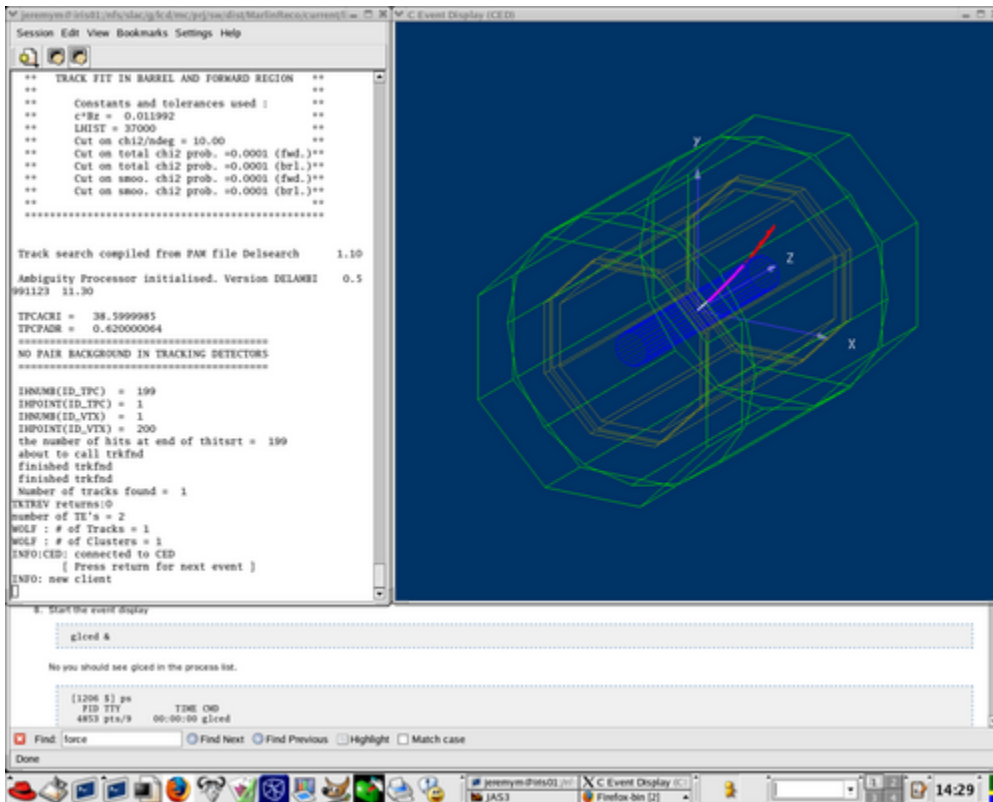
Now you should see glced in the process list.

```
[1206 $] ps
PID TTY          TIME CMD
4853 pts/9      00:00:00 glced
```

## 10. Run an example

```
cd $MARLIN/packages/MarlinReco/examples/LDC
$MARLIN/bin/Marlin steer_ldc.xml
```

Now, you should have MarlinReco running with CED displaying events.



Enjoy.

## Links

[MarlinReco Documentation](#) - with step-by-step installation instructions, including ext deps