

Building and Running Greensea Software

All commands are from the Konsole, which you can start by pressing Alt-F2 and typing "Konsole" followed by enter

1) Mount repository network drive

```
cd bin
./mount_drives
(enter network drive password when prompted)
```

3) Navigate to the directory where you will create this project

```
cd ~/development
```

2) Find the program of interest in the repository

(Linux has a very useful shortcut for recalling commands - press the up arrow to start with a past command and edit from there)

```
svn ls file:///mnt/gssrepos/repos
(scroll through the list until you find the project you want to run and replace project_name below with that project)
```

```
svn ls file:///mnt/gssrepos/repos/project_name
```

(you should see branches/ tags/ trunk)

```
svn ls file:///mnt/gssrepos/repository/project_name/branches
```

(you should see project_name_wc)

```
svn ls file:///mnt/gssrepos/repos/project_name/branches/project_name_wc
```

(you should see a list of files and directories)

3) Check the program out of the repository

```
svn co file:///mnt/gssrepos/repos/project_name/branches/project_name_wc
```

4) Go to the directory where the program is located

```
cd project_name_wc
```

5) Determine which type of build environment is required

```
ls
```

(look one of the following files:

CMakeLists.txt - build with cmake

Makefile - if a user interface build with qmake

If you are unsure, you could try either option or ask for help)

6) Build with cmake

```
cmake
make clean
make -j2 (or replace 2 with the number of processing cores on your computer)
```

7) Build with qmake

```
qmake
```

(if qmake gives as error WARNING:Failure to find: revision.h try running ./linux_svn_version.sh then repeat qmake)

```
make clean
```

```
make -j2 (or replace 2 with the number of processing cores on your computer)
```

8) Run the program

```
ls
```

(you should see a file in green with a name that is probably similar to project_name)

```
./green_file (where green_file is the name of the program from the step above)
```

Building and Running Greensea Software

Published on Greensea Knowledge Base (<http://localhost:8888/kb2017>)

Article ID: 105

Source URL: <http://localhost:8888/kb2017/building-and-running-greensea-software>