

How to run Brainix on Unix-like Operating Systems and Bochs

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OK, you have downloaded your copy of brainix by first installing subversion (you need to install subversion!), then type in:

```
$ svn checkout http://brainix.googlecode.com/svn/trunk/ brainix
```

It should start downloading. You wait until its downloading is complete. I assume that the working directory is `/home/your_user_name_here/`. You type into the command line:

```
$ mkdir mnt
```

Then go into the Brainix directory. Create several scripts:

```
#!/usr/bin/bash
```

```
make clean  
make
```

Code fragment 1: brainix/compile.sh

The `compile.sh` script.

```
#!/usr/bin/bash
```

```
sudo mount -o loop Bootdisk.img ../mnt/  
sudo cp ./bin/Brainix ../mnt  
sudo rm ../mnt/Brainix.gz  
sudo gzip ../mnt/Brainix  
sudo umount ../mnt/
```

Code fragment 2: brainix/update_bootdisk.sh

This is the `update_bootdisk` script that updates the boot disk with the Brainix binary image (the Brainix binary image is made after compilation and put in `/brainix/bin`). Now, to make a bochs `bochsrc` file. I have included a `dot-bochsrc` file in this documentation (its external to this file), I use it to run Brainix in bochs.

Now to put it all together:

```
#!/usr/bin/bash
```

```
sh compile.sh  
sudo sh update-bootdisk.sh  
bochs -f dot-bochsrc
```

Code fragment 3: `brainix/run.sh`

This is the script you invoke in order to compile and run the compiled image in bochs.