

# How to install OS/X remotely

*The following was passed to me verbatim by a professor in my area.  
I haven't tried it yet myself.*

How to install OSX software remotely:

- <http://www.hmug.org/HowTos/RemoteInstall.html>

To update OSX remotely:

- <http://www.hmug.org/HowTos/RemoteSysUpdate.html>

For example, how to install xcode and perl remotely on OSX:

## 1. GCC

If you need to build several programs from source, you need a compiler. On OSX, the development environment is called xcode and can be downloaded from <http://developer.apple.com/tools/download/> — I had to sign up for a free account first. To install the dmg remotely (see detailed instructions at <http://www.hmug.org/HowTos/RemoteInstall.html>), log on to the OSX machine and issue

```
hdiutil mount xcode_2.4.1_8m1910_6936315.dmgcd /Volumes/Xcode\ Toolssudo installer -verbose -  
pkg XcodeTools.mpkg -target /cdhdiutil unmount /Volumes/X*  
You now have a build environment with gcc (3.3 and 4.0 in my case).
```

## 2. Perl

If you need a more recent version of perl than what is included in OSX, you can get the latest stable version, currently 5.8.8 (cf.

<http://www.perl.com/download.csp>):

```
mkdir -p ~/src/perl (tilde comes before /src/perl)cd ~/src/perl (tilde comes before /src/perl)wget  
http://www.perl.com/CPAN/src/stable.tar.gztar zxvf stable.tar.gzcd perl-5.8.8./configure
```

This is a lengthy process — select defaults where possible, and say yes to “Use the PerlIO abstraction layer.” I also said yes to threading, but this may not be advisable. I accepted the default prefix, /usr/local.

Once configured,

```
make  
make test
```

If it checks out (I got a syslog error, likely because OSX uses `/var/log/system.log`, which I ignored), you may want to switch to root user before you install:

```
sudo bashmake install
```

Next, if you're using the bash shell, edit `/etc/profile` and add `/usr/local/bin` to the PATH before `/usr/bin`. Issue

```
source /etc/profile
```

or, if you're on the OSX machine, exit your user and log back in. Verify that your default perl is your freshly compiled one:

```
which perl
```

should give you `"/usr/local/bin/perl"` and not `"/usr/bin/perl"`.

Incidentally, one problem with installing stuff remotely on OSX is that the system keeps going to sleep on you; I use the `wakeonlan` program in Linux to keep it awake.

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