

Pauls notes on home freebsd

bloody router

getting around my router. It refuses active FTP and stuffs up DNS caching so, install from CD as usual, but choose DHCP instead of fixed IP and use passive FTP to download binaries

Install process from boot only CD

1. boot from CD
 2. choose appropriate settings, and install from FTP
 3. CHoose passive FTP
 4. choose DHCP so that my router will think this host exists
 5. Now download from FTP sites a minimal install
 6. `port_add -r cvsup-without-gui`; rehash
 7. “reply from unexpected source” - some DNS resolutions will go out from my router and then not be cached by the router, but will be sent direct to me from the external DNS My machine will get worried by this (man in the middle ?). The way to fix is either try a diff URL or change `/etc/resolv.conf` after DHCP assigned
 8. ports install and src install use the ports supfiles as in the folder
- \$ make install sysutils/screen

The basics from now

- ports and src install
- (re)BuildWorld
- installing ports
- upgrading ports
- keeping track of what is there
- Building X

Sysadmin stuff

- backups
- DNS
- Email
- Firewalls
- web, cherrypy, wsgi,
- mysql

ports and src install

using files in current folder

```
cvsup ports-supfile; cvsup src-supfile
This should be run regularly (daily?)
```

(re)BuildWorld

Why do we do this?:

```
"To take full advantage of your new system you should recompile the kernel. This is practically a necessity, as certain memory structures may have changed, and programs like ps(1) and top(1) will fail to work until the kernel and source code versions are the same."
http://www.freebsd.org/doc/en_US.ISO8859-1/books/handbook/makeworld.html
```

In short, if we change the src code, we will almost always need to change the kernel too. So if we rebuild world, that is the FreeBSD specifically written stuff, we will need to change the kernel too. It makes sense

1. Alter make.conf NO_PROFILE= true # Avoid compiling profiled libraries
2. make -j4 buildworld

```
# cd /usr/src # make buildkernel KERNCONF=MYKERNEL # make installkernel KERNCONF=MYKERNEL
reboot (single user)
# cd /usr/src # make installworld
```

mergemaster - I need more help on this. but take defaults for now. On a running system a bit harder...maybe a thing that compares the defaults against my changes and new changes...

Keeping track

What has changed with each cvsup? - cvsup tells us, but knowing if it is important is another matter - if it is in src/lib it is probably worth a rebuild... - and of course we like to use FreeBSD-stable instead.

X11

/usr/ports/x11-fonts/ttmkfdir

fonts C:WINDOWSFonts http://www.freebsd.org/doc/en_US.ISO8859-1/books/handbook/x-fonts.html

```
pscp *.ttf root@192.168.1.11:/usr/local/lib/X11/fonts/TrueType/ add line to xorg.conf FontPath "/usr/X11R6/lib/X11/fonts/TrueType/"
type 1 fonts make
```

Inline emphasis start-string without end-string.

XDM

can be set as a tty - `ttyv8 "/usr/local/bin/xdm -nodaemon" xterm off secure`

config

`usr/local/lib/X11/xdm`

windows mgr

http://www.freebsd.org/doc/en_US.ISO8859-1/books/handbook/x11-wm.html # `cd /usr/ports/x11-wm/xfce4 # make install clean`
% `echo "/usr/local/bin/startxfce4" > ~/.xinitrc`

Phone Line

Phone Line - ADSL Filter - DSL Modem - Ethernet Out - Own Firewall/router - WIFI?

<http://www.broadbandbuyer.co.uk/Shop/ShopDetail.asp?ProductID=4122>

DNS

BIND8 is installed by default `named_enable="YES"`

NTP

FTP

NFS