

How To Do Things FreeBSD Edition

Networking

View open listening ports

```
> sockstat -l46
```

View connections for a particular program

```
> sockstat -46 | grep <program name>
```

Dig for a site using resolv.conf DNS servers

```
> drill <site name>
```

Dig for site using custom DNS

```
> drill <site name> @<dns server>
```

View Routing Information

```
> netstat -rn
```

Set Static IP

```
> ifconfig <interface name> <ip> netmask 255.255.255.0 up
```

```
> route add default gw <gateway>
```

- Then edit /etc/rc.conf to make it permanent

Set DNS Server

- Edit /etc/resolv.conf

Package Manager

The main package manager on FreeBSD is `pkg`. There is also the ports system, which is like the AUR.

Install a piece of software

```
> pkg install <package name>
```

List installed packages

```
> pkg info
```

Verify packages

```
> pkg check -sa
```

Remove a package

```
> pkg delete <package name>
```

Look for available software

```
> pkg search <package name>
```

Ports: update

```
> portsnap fetch
> portsnap extract
> portsnap update
```

Ports: Install one

- Find the port you want in the directory /usr/ports
 - Enter the directory of that port
- ```
> make install clean
```

Remove a port

```
> make deinstall
```

Install a GUI

```
> pkg install xfce
Add "dbus_enable="YES" to /etc/rc.conf
> echo ". /usr/local/etc/xdg/xfce4/xinitrc" > ~/.xinitrc
> pkg install firefox xterm rxvt-unicode
> startx
```

Note: You may need to install graphics drivers, such as nvidia-driver, before you can install x.

Compare installed files with originals

```
> freebsd-update IDS
```

## Services

View running services (their init config files)

```
> service -e
```

Restart a service

```
> service restart <service>
```

Show the status of a service

```
> service status <service>
```

## Users

FreeBSD has its own user management utilities

Add user to group

```
> pw usermod <username> -G <groupname>
```

Remove user from group

```
> pw groupmod <groupname> -d <username>
```

See who's in a group

```
> pw group show <groupname>
```

Lock or unlock user accounts

```
> pw <lock | unlock> <username>
```

## Logs

View system logs

1. > touch /var/log/all.log && chmod /var/log/all.log
2. Edit /etc/syslog.conf
3. > service syslogd restart

## Firewall

FreeBSD has several firewalls. The main one is IPFW.

To enable, add these lines to /etc/rc.conf

```
firewall_enable="YES"
```

```
firewall_type="client"
```

Firewall rules are read from /etc/rc.firewall