# NetBSD Cheat Sheet

## 🖧 Network Configuration

### Set Static IP

```
$ cat /etc/ifconfig.fxp0
up
inet 192.168.0.1 netmask 0xffffff00
```

### DHCP Setup

```
$ cat /etc/ifconfig.re0
up
!dhcpcd $int
```

### IPv6 Address

```
inet6 2001:dead:beef:1::1 prefixlen 64
```

### Static Route with DHCP

```
$ cat /etc/ifconfig.re0
up
!dhcpcd $int
!route -n add -net 10.0.0.0/8 192.168.0.254
```

### Alias on Interface

```
inet 172.16.0.1 netmask 0xffffffff alias
```

## 🛠 System Utilities

### WPA WiFi Client

```
# wpa_passphrase WPA-SSID password > /etc/
    ↪ wpa_supplicant.conf
$ grep wpa /etc/rc.conf
wpa_supplicant=YES
wpa_supplicant_flags="-B -iath0 -c/etc/
    ↪ wpa_supplicant.conf"
# /etc/rc.d/wpa_supplicant start
```

### Post-boot WiFi Filesystems

```
critical_filesystems_local="${
    ↪ critical_filesystems_local} /usr"
```

### Upgrade with Binaries

```
# cp /netbsd /netbsd.old
# tar zxvfp kern-MONOLITHIC.tgz -C /
# shutdown -r now
# for i in base comp games man misc modules ...; do
  tar zxvfp $i.tgz -C /;
done
# postinstall -s /tmp/temproot check
# etcupdate -s /tmp/temproot
```

### Build from Source

```
# cd /usr/src
# ./build.sh -O ../obj -T ../tools -U distribution
# ./build.sh -O ../obj -T ../tools kernel=
    ↪ YOUR_KERNEL
# cp /netbsd /netbsd.old
# cp /usr/obj/.../netbsd /
# shutdown -r now
# ./build.sh -O ../obj -T ../tools -U install=/
# /usr/sbin/etcupdate -s /usr/src
```

### Flash Plugin Support

```
# echo "procfs /emul/linux/proc procfs ro,linux" >>
    ↪  /etc/fstab
# mount /emul/linux/proc
# cd /usr/pkgsrc/www/nspluginwrapper && make
    ↪ install
# cd /usr/pkgsrc/multimedia/ns-flash && make
    ↪ install
$ nspluginwrapper -i /usr/pkg/lib/netscape/plugins/
    ↪ libflashplayer.so
```

### Mount ISO Image

```
# vnconfig -v -c /dev/vnd0d output.iso
# mount -t cd9660 /dev/vnd0a /mnt
# umount /mnt
# vnconfig -u vnd0d
```