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FreeBSD post install configuration steps to make on fresh FreeBSD install to make ready for server and Desktop use

http://www.pc-freak.net/blog

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1. Update binary packages

First thing to do just like on any new operating system install is to update / patch the server

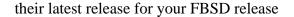
freebsd-update fetch # freebsd-update install

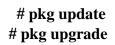
2. Update FreeBSD port packages

As a FreeBSD administrator you will need ports every now and then so make sure you have them at



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3. Install editors and bash

pkg install nano vim joe bash bash_completion

4. Install sudo

To be able to run commands without becoming superuser root just like on any Linux you will probably want to have sudo package installed

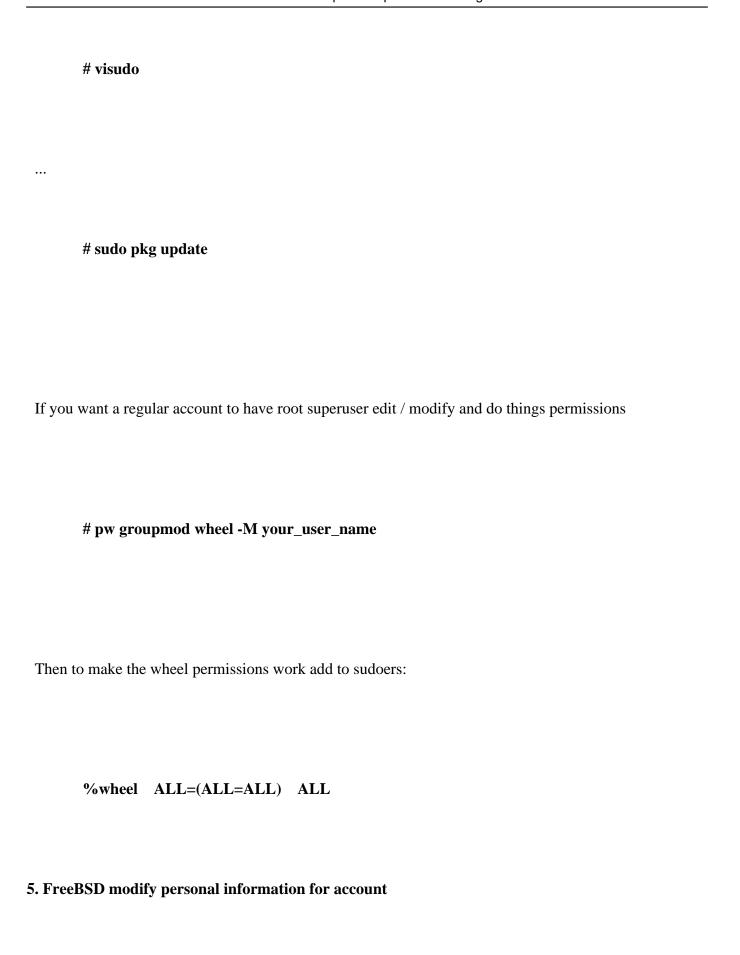
pkg install sudo

Sudo config file is under /usr/local/etc/sudoers

To edit it with syntax check enabled use visudo



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# chpass your user name	# (chpass	vour	user	name
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To change your account and others to use bash instead of default freebsd csh

csh -s /bin/bash your_user_name

7. Set a Static IP address for a FreeBSD server and configure DNS

Edit /etc/rc.local to look something like so

#ifconfig_em0="DHCP"
ifconfig_em0="inet 192.168.1.100 netmask 255.255.255.0"
default gateway
defaultrouter="192.168.1.1"

/etc/rc.conf is also the file where you can easily enable / disable freebsd startup scripts

To restart network interafaces just like Debian Linux's /etc/init.d/networking restart type



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service netif restart # service routing restart

To **set Google DNS in FreeBSD** just like in Linux add the IPs with nameserver prefix to **/etc/resolv.conf**

```
# echo 'nameserver 8.8.8.8' >> /etc/resolv.conf
# echo 'nameserver 8.8.8.8' >> /etc/resolv.conf
# echo 'search your-domain-name' >> /etc/resolv.conf
```

- If you need to change the hostname of the FreeBSD server change in /etc/rc.conf

hostname="your-freebsdhostname"

- To add multiple IP addresses to a network interface on FBSD add line like below to /etc/rc.conf

```
ifconfig_em0_alias0="192.168.1.5 netmask 255.255.255.255" ifconfig_em0_alias1="192.168.1.6 netmask 255.255.255.255" ...
```

To apply changes and bring up the newly set multiple IPs



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service netif restart

8. Setting up proper timezone

If for some reason the Time zone is improperly set during FreeBSD install, you can later set that with

tzsetup

9. Set up ntp time server synchronization daemon

vim /etc/rc.conf

ntpd_enable="YES"
ntpd_sync_on_start="YES"

First command will bring up NTP server at start up and second make it synchroniza with Internet NTP servers, to restart ntp so it set proper time immediately

service ntpd start

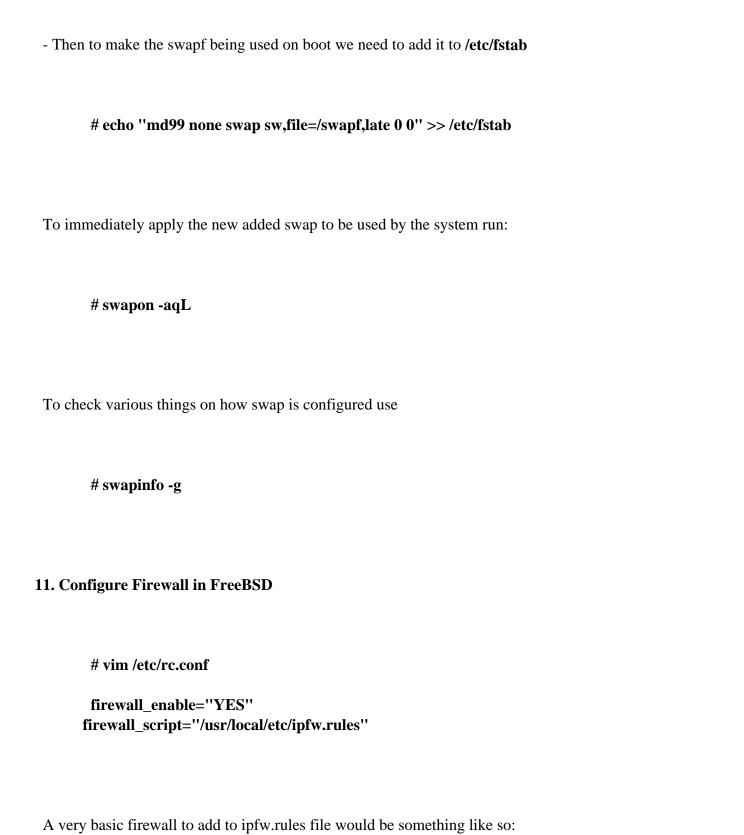
10. Add additional SWAP space to FreeBSD server after install

- First we need to create the swap file with command and then set up proper permissions for it



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truncate -S 3G /swapf # chmod 0600 /swapf





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\$IPF 70 allow all from any to any out keep-state \$IPF 80 allow icmp from any to any # open port ftp

\$IPF 110 allow tcp from any to any 21 in \$IPF 120 allow tcp from any to any 21 out

22 for ssh \$IPF 130 allow tcp from any to any 22 in \$IPF 140 allow tcp from any to any 22 out

mail port 25

\$IPF 150 allow tcp from any to any 25 in \$IPF 160 allow tcp from any to any 25 out

dns (53) udp and tcp in \$IPF 170 allow udp from any to any 53 in \$IPF 175 allow tcp from any to any 53 in

dns (53) udp and tcp out \$IPF 180 allow udp from any to any 53 out \$IPF 185 allow tcp from any to any 53 out

http (80), \$IPF 200 allow tcp from any to any 80 in \$IPF 210 allow tcp from any to any 80 out # deny and log everything \$IPF 500 deny log all from any to any

To launch the firewall

service ipfw start



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To list current FreeBSD Firewall rules use

ipfw list

Finally if you need to check your connections to the server just like Linux's netstat you might consider using **sockstat** comand

sockstat -4 -6

•••

- 4 -6 will list you network connections for **ipv4** and **ipv6** both **tcp** and **udp**