

FreeBSD Basic howto

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Very basic FreeBSD Howto!ontents1) System time adjustment

2) Check /etc/hosts

3) Edit /etc/make.conf

4) Update your ports tree

5) System update (get latest sources)

6) Rebuild kernel & base system Step-by-step algorithm 1) System time adjustmentFirst, check your time zone & system time.

tzsetup ⇒ United States ⇒ Eastern time To set ntpd ntpdate -B <ntp server addy> Next step, edit your crontab:

crontab -u root -e Add line like that: */10 * * * * /usr/sbin/ntpdate -B IP_address >/dev/null Take a note to

“B” parameter in in ntpdate. 2) Check your /etc/hosts:127.0.0.1 localhost.localdomain

localhost_IP_Address_ your-hostname.your-domain your-hostname As a rule, this procedure is done by DC and you

don’t need to do it again. Simply check it. 3) Edit your /etc/make.confsample config of make.conf (FreeBSD 6.2)#

Compile options

#

CPUTYPE?= pentium4

CFLAGS= -O2 -pipe

COPTFLAGS= -O2 -pipe#

Common options for base system rebuild

#

NO_ATM=

NO_AUTHPF=

NO_BLUETOOTH=

NO_DICT=

NO_FORTRAN=

NO_GAMES=

NO_INET6=

NO_INFO=

NO_IPFILTER=

NO_KERBEROS=

NO_NIS=

NO_PF=

DOC_LANG= en_US.ISO8859-1

KERNCONF= <your kern file>

WITHOUT_IPV6= yes

WITHOUT_X11= yes “Compile Options” are required only to increase system performance. Also, you must correct CPU type with yours. After editing your /etc/make.conf, you must comment lines for nis support in

/etc/nsswitch.conf. Your /etc/nsswitch.conf would look like: group: compat#group_compat: nishosts: files dnsnetworks:

filespasswd: compat#passwd_compat: nisshells: files4) Update your ports tree.I prefer portsnap utility by Colin Persival

instead of cvsup: portsnap fetch && portsnap extract 5) Update your sources.Install cvsup-without-gui using ports (I) or

package (II): (I) cd /usr/ports/net/cvsup-without-gui && make install clean(II) pkg_add -vr cvsup-without-gui Touch

/usr/local/etc/cvsup.src and edit it like that: cvsup.src ---cvsup.src example

*default host=cvsup99.FreeBSD.org #the mirror near to you

*default base=/usr

*default prefix=/usr

*default release=cvs tag=RELENG_6_1

*default delete use-rel-suffixsrc-all---Next step, add to /etc/make.conf lines like shown in example make.conf ----

make.conf for cvsup-without-gui

#

Update

#

SUP_UPDATE=

NO_PORTSUPDATE=

NO_DOCUPDATE=

SUP= /usr/local/bin/cvsup

SUPFLAGS= -g -L 3

SUPFILE= /usr/local/etc/cvsup.src

----For sources updating, do: cd /usr/src && make update Add to cron jobs using crontab -u root -e: ### Update Src,

Ports12 0 * * 2 cd /usr/src && make update22 0 * * 2 cd /usr/ports && make fetchindex 14) Rebuild kernel & base

systemCopy GENERIC kernel config no Yourkernel: cp /sys/i386/conf/GENERIC /sys/i386/conf/Yourkernel Also, you

may create your kernel config using these instructions: Edit your kernel config file. comment the lines your system don't

needThe good kernel config to adoptions PANIC_REBOOT_WAIT_TIME=16
options IPFIREWALL
options IPFIREWALL_VERBOSE
options IPFIREWALL_FORWARD
options IPFIREWALL_DEFAULT_TO_ACCEPT
options IPDIVERT
options IPSTEALTH
options DUMMYNET
options TCP_DROP_SYNFIN
options DEVICE_POLLING
options SMP
device carpClear your /usr/obj/* : rm -rf /usr/obj* Compile Yourkernel: make buildkernel KERNCONF=Yourkernel Compile
base system: make buildworld Next, install kernel & world: make installkernel KERNCONF=Yourkernelmergemaster -p
make installworldmergemaster Reboot system: shutdown -r +3 It is better give +3 minutes if somebody works on server
in this time.