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Sysinstall

- Finally you'll get to the sysinstall menu. Sysinstall is the installer tool used to get FreeBSD onto your machine – and optionally configure it later.
- Move through it by using your up and down arrow keys, use the space or enter key to choose the highlighted option.
- If there are "buttons" at the bottom of the screen, you can navigate to it by using the tab key then using the enter key.
- Select a standard installation and the next thing we need to do is partition our disk.

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Disk Partitioning/installation

- In your case, you are presented with a choice of disks to partition. We will use just the first 80GB disk.
- Select it with the space button so we can start slicing the disk.
- In our case we are going to use the entire disk so use "a" to tell FreeBSD to use as much of the disk as it can.
- If you plan to use multiple operating disks you need to create different slices for the other operating systems.

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• When done with the slicing, then use "q" to quit the fdisk partition editor

Slicing Disk name: <mark>ad0</mark> DISK Geometry: 44384 cyls/15 heads/63 sectors = 41942888 <u>sectors (20479MB)</u> Offset Size(ST) End **N**аме РТуре Desc Subtype Flags 63 62 41942817 41942879 160 41943039 unused ad0s1 165 41942888 unused The following commands are supported (in upper or lower case): A = Use Entire Disk G = set Drive Geometry C = Create Slice F = 'DD' mode D = Delete Slice Z = Toggle Slze Units S = Set Bootable $\$ = Hizard H. T = Change Type U = Undo All Changes Q = Einish Use F1 or ? to get more help, arrow keys to select. AfNOG



		P	artiti	ons		
 Fdisk is l created. for a der 	auncheo Use "a" no on ho	l again to o to autom ow you'd o	create pa atically c lo it you	artitions in reate part rself.	side the slice y itions, watch t	rou he screen
		FreeBSD	Disklabel	Editor		
Disk: ad Part	8 Par Mount	tition name: Size Ne	adØs1 Fre	e: 0 blocks () Mount	Size Newfs	
adØs1a adØs1b adØs1b adØs1d adØs1f adØs1f	/ swap /var /tмр /usr	512MB UF 478MB UF 1263MB UF 512MB UF 17714MB UF	S2 Y AP S2+S Y S2+S Y S2+S Y S2+S Y			
The foll C = Crea N = Newf T = Togg	оwing сомма te D s Opts Q le Newfs U	nds are valid = Delete M = Finish S = Undo A	here (uppe: = Mount pt = Toggle S = Auto Def	r or lower ca oftUpdates : aults :	se): Z = Custom Newfs R = Delete+Merge	
Use F1 o	r ? to get	more help, ar	row keys to	select.		AfNO



Choice of packages Next we get to chose which packages we want installed. You can either choose predefined package groups or make your own selection. For our case we'll choose a small distribution and add packages we need during the week. In this window use the arrow keys to move to a distribution, use the space bar to select the distribution. Our distribution is going to be X-User so scroll down and select it with the space bar.

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Ports

- You will be asked if you want to install the ports system. Hit the "Enter" key to say "yes" we will discuss how to use the ports system in the next session.
- Once that is done you need to exit the distribution selection. Use the tab key to select "OK" and move on to the media selection.
- FreeBSD can install these packages from all kinds of media CDROM, FTP, HTTP, NFS mounts, even a huge stack of floppies.
- In our case we'll use the CDROM for now, FTP will be used in the next session.

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Media Selection



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Post Installation Tasks

- At this point, the FreeBSD operating system has been installed on your computer. We shall now do some post installation tasks to get some attributes of your system working.
- Say "Yes" to configuring your ethernet device. You are presented with a menu, select the first one which should be em0 – your ethernet card.
- You will be asked if you want to try IPv6 configuration for your card, say "yes"
- You will be asked if you want to try DHCP configuration for your card, say "no"
- Next is the IPv4 configuration which you should set similar to this. Substitute the IPv4 address and hostname fields as relevant.
- Leave the gateway, domain, and name server fields constant.

Host:	Network Configuration Domain:
pc1.sae.ws.afnog.org	sae.ws.afnog.org
IPv4 Gateway:	Name server:
196.200.218.254	196.200.223.1
Configuration : IPv4 Address:	for Interface le0 Netmask:
196.200.218.100	255.255.255.0
Extra options to i	fconfig (usually empty):
0131	CANCEL







First Boot

- Next you'll be asked if you want to visit the configuration menu for the last time, say no.
- Press the x key to exit systinstall press enter, and remove your disk from the drive as the machine reboots.
- An ssh key will be generated and you will be greeted with a prompt similar to the one you saw during bootcamp.
- Log in with the username root ; password afnog08 (use the numeric keypad) and type the following commands. Include all the quotation marks and don't forget the double ">>" not a single ">" replace 100 with the last part of your real IP address. The '#' just means you type the commands as root.

echo 'ipv6_ifconfig_em0="2001:4438:0:218:196:200:218:100"" >> /etc/rc.conf # /etc/netstart

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