

Installing FreeBSD 4.4

Preparing to Install

1. Insert CD.
2. Restart computer.
3. Select **Start Kernel Configuration in Full Screen Visual Mode**.
4. Press **X** to expand all lists.

Note: This will allow one to view the detected devices. Any of these devices can be disabled if need be.

5. After making any necessary changes, press **Q** to save and exit.
6. Press **Y** to save the parameters before exiting.

Choosing Installation Type

1. In the installation menu, select **Standard** to begin a standard installation.

Disk Partitioning

1. The next step brings up a disk partitioning utility. The info will be displayed in sectors. Press the appropriate key to display the same info in MB.
2. Press **D** to delete any unwanted slices (slice means partition block).

Using the Entire Disk

- ? Press **A** to automatically allocate all of the disk space.

Using part of the Disk

- ? Press **C** to create a partition manually.
 - ? You may enter the disk size in sectors by typing in the number manually or specify the disk size in MB by typing an M after the number, e.g., 5000M would specify 5GB.
 - ? Choose the type of slice (file system) to create. The default is 165 for FreeBSD. Other options are 6 for DOS partition, and 131 for Linux partition.
3. Press **Q** after finishing defining the partitions.
 4. If this is the only OS that you are installing, then select the **BootMgr**.
 5. Now BSD partitions need to be created inside the partition just created.
 6. Press **A** to allocate space automatically.
 7. 4 to 5 partitions may be created. An example is shown below.

Partition	Mount	Size
ad0s1a	/	100MB
ad0s1b	Swap	259MB
ad0s1e	/var or /home	20MB
ad0s1f	/usr	4617MB

8. Press **Q** to Finish.

Begining Installation

1. Select **Xuser** when choosing distribution type.
2. Select **No** when prompted to install FreeBSD ports (application software).

Note: Additional Software is available at <http://www.freebsd.org/ports>

3. Select **Exit**.
4. Select Install from CD/DVD.
5. The partitions are now created and the OS installation and the application software installation now takes place.

Networking Configuration

After installation completes, you are asked to configure Ethernet Network Devices.

1. Select **Yes**.
2. Select the Network Card (usually shown first in the list).
3. Select **No** when prompted for IPv6 configuration. This then takes us to IPv4 configuration.
4. Select **DHCP**.
5. Type in your First Name as the host name.
6. Press **OK** when done.
7. When prompted to bring interface up right now, press **Yes**.
8. Select **No** when prompted to make it an Internet Gateway (Router).

Internet Services Configuration

1. You will be prompted to configure inetd and simple internet services. Select **No**.

Configuring INETD (Internet) Services (for information purposes only)

2. Inetd (Internet Super Server) enables finger, ftp, telnet.

Note: The `inetd.conf` file in `/etc/inetd.conf` leaves all services disabled by default.

3. Select **Yes** to invoke editor.
4. There are entries for ftp, telnet, shell, login, finger for both IPv4 and IPv6. Enable the necessary ones by removing the # sign (# sign remarks or comments the statement and is ignored).
5. You will be prompted if you want to allow anonymous logons. If you have enabled any of the above Internet services, you may want to accept anonymous logons.

Additional Configuration

1. Select **No** for NFS Server.
2. Select **No** for NFS Client.
3. Select **No** for Customize Console Settings.
4. Select **Yes** for Machine Time Zone. Choose Canada and Pacific Time Zone West BC.
5. Select **Yes** to Enable Linux 6.1 binary capability.
6. Select **No** to USB mouse.
7. Select **Enable and Test Mouse Daemon**.
8. Move mouse. Select Yes if mouse moves.
9. Select **Exit** when done.

XWindows Configuration

1. Select Yes when prompted for XWindows configuration.
2. Choose option 2 for Xf86cfg - Fully graphical xFree86 configuration tool.
3. Wait for 10 seconds for the graphical utility to start.
4. Choose the Video Card settings, Mode selection and Monitor settings.

Note: The Xf86cfg info is written to /usr/X11R6/lib/X11/XF86Config.

IMPORTANT: IF YOU FACE A PROBLEM IN CONFIGURING THE XWINDOWS, PRESS CTRL-ALT-BACKSPACE TO TRY A DIFFERENT SET OF SETTINGS.

5. Choose Option 2 (**KDE**) to be the default desktop.
6. Browse FreeBSD package collection and select desired components including different shells.
7. Choose **Install** when done.
8. Press OK.

Finalizing Configuration

1. Create additional user accounts (example jsmith) and assign password.
2. Specify password for the **root** administrator user account when prompted.

Reference::

Video Card: NVIDIA TNT2

Monitor [1024x768@70Hz](#) Non-interlaced

Horizontal Refresh: 31.5-48.5

Vertical: 55-90

Mode: 800x600x24bit color