

# FreeBSD 9 Installation

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- `bsdinstall`

# bsdinstall (FreeBSD 9) – (1)



❑ <http://www.freebsd.org/doc/handbook/bsdinstall.html>

# bsdinstall (FreeBSD 9) – (2)

- ❑ Install 、 Shell 、 Live CD

```
FreeBSD Installer
-----

Welcome
Welcome to FreeBSD! Would you
like to begin an installation
or use the live CD?
<Install> <Shell> <Live CD>
```

# bsdinstall (FreeBSD 9) – (3)

## ❑ Setting hostname

```
FreeBSD Installer
-----
                                Set Hostname
Please choose a hostname for this machine.

If you are running on a managed network, please
ask your network administrator for an appropriate
name.
+-----+
| imachine3.example.com |
+-----+
                                < OK >
```

# bsdinstall (FreeBSD 9) – (4)

- ❑ Selecting components to install

```
FreeBSD Installer
-----
--Distribution Select--
Choose optional system components to install:
+-----+
| [ ] doc   Additional documentation
| [*] games Games (fortune, etc.)
| [*] lib32 32-bit compatibility libraries
| [*] ports Ports tree
| [ ] src   System source code
+-----+
< OK >
```

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## ❑ Partitioning methods

- Shell – gpart(8) 、 fdisk(8) 、 bsdlabell(8)

```
FreeBSD Installer
-----
+-----Partitioning-----+
| Would you like to use the guided |
| partitioning tool (recommended for |
| beginners) or to set up partitions |
| manually (experts)? You can also open a |
| shell and set up partitions entirely by |
| hand. |
+-----+
| <Guided> <Manual> <Shell > |
+-----+
```

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## ❑ Guided Partitioning

- Select disk
- Replace { ad | da } by ada
- { ad | da }'s are linked to ada's
- How to partition the disk
  - Entire Disk
  - Partition – use free space

```
-----Partitioning-----+
Select the disk on which to install FreeBSD.
+-----+
|  ada0  12 GB ATA Hard Disk <UBOX HARDDISK> |
|  ada1  10 GB ATA Hard Disk <UBOX HARDDISK> |
+-----+
                                     < OK >      <Cancel>
```

```
-----Partition-----+
Would you like to use this entire disk
(ada0) for FreeBSD or partition it to
share it with other operating systems?
Using the entire disk will erase any
data currently stored there.
+-----+
| <Entire Disk>  < Partition > |
+-----+
```





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## ❑ Manual Partitioning

```
FreeBSD Installer
-----
Partition Editor
Create partitions for FreeBSD. No changes will be
made until you select Finish.
+-----+
| ada0          12 GB |
+-----+
+-----+
| <Create> <Delete> <Modify> <Revert> <Auto> <Finish> |
+-----+
Add a new partition
```

# bsdinstall (FreeBSD 9) – (9)

## ❑ Choose a partitioning scheme

- GPT、MBR
- **DON'T use BSD!!!**



# bsdinstall (FreeBSD 9) – (10)

## ❑ Add partitions

- freebsd-boot
  - FreeBSD boot code. This partition must be first on the disk.



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## ❑ Final confirmation

```
FreeBSD Installer
-----
+----- Partition Editor -----+
| Please review the disk setup. When complete, press |
| the Finish button.                               |
+----- Confirmation -----+
| Your changes will now be written to disk. If you  |
| have chosen to overwrite existing data, it will  |
| be PERMANENTLY ERASED. Are you sure you want to  |
| commit your changes?                             |
+-----+
| < Commit > < Revert & Exit > < Back > |
+-----+
+-----+
| < Create > < Delete > < Modify > < Revert > < Auto > < Finish > |
+-----+

Exit partitioner (will ask whether to save changes)
```

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❑ Fetching → Checksum Verification → Extraction

```
FreeBSD Installer
-----
Archive Extraction
-----
base.txz          [ Done ]
kernel.txz       [ 88% ]
games.txz        [ Pending ]
src.txz          [ Pending ]

Extracting distribution files...

+-Overall Progress-+
| [ 25% ]           |
+-----+

```

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## ❑ Post-installation

- root password
- Network interfaces
  - Wired – Static IPv4 / DHCP / Static IPv6 / SLAAC
  - Wireless
  - DNS
- Time Zone
- Services
- Add users

```
----- System Configuration -----+
Choose the services you would like to be started at boot:
+-----+
| [*] sshd      Secure shell daemon
| [ ] moused    PS/2 mouse pointer on console
| [*] ntpd      Synchronize system and network time
| [ ] powerd    Adjust CPU frequency dynamically
+-----+
< OK >
```

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## ❑ Final configuration

```
FreeBSD Installer
-----Final Configuration-----
Setup of your FreeBSD system is nearly complete. You can now
modify your configuration choices or apply more complex changes
using a shell.
+-----+
| Exit           Apply configuration and exit installer |
| Add User      Add a user to the system |
| Root Password Change root password |
| Hostname       Set system hostname |
| Network        Networking configuration |
| Services       Set daemons to run on startup |
| Time Zone     Set system timezone |
| Handbook      Install FreeBSD Handbook (requires network) |
| Shell         Open a shell in the new system |
+-----+
| < OK > |
+-----+
```