

# FreeBSD Special Cases

Something not-so-common...

## Offline Installation

**Note:** Need to test this...



- Get the desired packages on a FreeBSD machine with internet connection

```
# mkdir /root/offline
# pkg fetch -d -o /root/offline xorg mate slim firefox
```

- -d for dependencies
- -o specifies destination path for the fetched packages
- Copy those files to a portable USB drive
- On the target machine, copy everything to /var/cache/pkg
- Then, do a

```
# pkg -U install xorg mate slim firefox git geany networkmgr
```

- -U is the short form for `--no-repo-update`

## USB Thumb-Drive Installation

I want to try to install to a USB thumb-drive... from my FreeBSD virtual machine (VirtualBox). I have a 16GB USB3 Kingston Data Traveller drive, and already installed FreeBSD 12 on a virtual machine.

To prepare the drive layout, checkout [here](#). I'm going to prepare for UEFI boot on a GPT formatted disk.

- plug in usb drive

- find device name (i.e. /dev/???)
- usually da0 is the first usb drive?

- refer to [this](#)...

*to be continued...*

## Dual-Boot on UEFI Systems

Find `boot1.efi` as place it in EFI System Partition. It will look for first partition with type `freebsd-ufs` (which can even be on another disk) and load `loader.efi`.

## Install on SSD

**Note:** Generally, it seems that this is no longer an issue - some just did a normal install and have no problems at all. But, I want to put this here anyways.

Creating partitions (from: <https://www.wonkity.com/~wblock/docs/html/ssd.html>)

```
# gpart create -s gpt ada0
# gpart add -t freebsd-boot -s 1m -a 4k -l ssdboot ada0
# gpart bootcode -b /boot/pmbr -p /boot/gptboot -i1 ada0

# gpart add -t freebsd-ufs -l ssdroot -b 1m -s 4g ada0
# gpart add -t freebsd-ufs -l ssdvarfs -a 1m -s 2g ada0
# gpart add -t freebsd-ufs -l ssdusrfs -a 1m ada0

# newfs -U -t /dev/gpt/ssdrootfs
# newfs -U -t /dev/gpt/ssdvarfs
# newfs -U -t /dev/gpt/ssdusrfs
```

## FreeBSD on RasPi400

- got FreeBSD13 arm64 aarch64 image
- write to microsd card
- boot issue
  - ok if boot from usb (note: starting pi4, usb boot is possible!)
  - need to update u-boot binary (look for that in forum)
- console display is not ok when using on tv (high res?)
  - edit config.txt and comment out `hdmi_safe=1`

going for dwm

- pkg install libX11 libXft libXinerama
- pkg install git

*work in progress...*

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