

FreeBSD Tweaks

Maybe useful to some...

Git

1. 'git log' output does not show colored output
 - can see the escape sequence
 - so, as user, type

```
git config --global core.pager "ls -r"
```

Network Configuration

Note DHCP client is `dhclient` - simply run `dhclient <interface>` when booting to console and using something like USB tethering.

Configure (wireless) network interface (in case was not done during installation)

- FreeBSD has network interface name - based on the driver name (e.g. sis, re)
 - to find this, use `pciinfo -lv`
- for normal wired connection (e.g. re0), add to 'rc.conf'

```
ifconfig_re0="DHCP"
```

- for a wireless connection (e.g. ath0), add in

```
wlan_ath0="wlan0"  
ifconfig_wlan0="DHCP"
```

- for a secured wireless connection (e.g. WPA protected), add in

```
wlan_ath0="wlan0"  
ifconfig_wlan0="WPA SYNCDHCP"
```

also, append '/ etc/wpa_supplicant.conf'

```
network={  
    ssid="the_ssid"  
    psk="the_psk"  
}
```

- not sure why but wlan0 was not auto-created
 - from official handbook, do `ifconfig wlan0 create wlandev ath0`
 - to start up and scan, do `ifconfig wlan0 up scan`
 - or just scan, do `ifconfig wlan0 list scan`

Graphics

Driver for ASUS E5450 Graphics Card (based on Radeon 5450?)

- install driver

```
pkg install -y xf86-video-ati
```

- to load on startup, edit rc.conf:

```
kld_list="radeonkms"
```

For Intel Graphics (Asus H81M-K Motherboard)

- install driver

```
pkg install -y xf86-video-intel
```

- to load on startup, edit rc.conf:

```
kld_list="i915kms"
```

- install something? (for kernel?)

```
pkg install -y drm-kmod
```

- some older ones require drm-fake-kmod instead

Server

Web Server (Apache)

- find apache package(s)

```
pkg search apache2 | grep -e "^apache2"
```

- install apache package(s)

```
pkg install -y php56 mod_php56 php56-mbstring php56-mcrypt php56-zlib  
php56-curl php56-gd php56-json
```

- to load on startup, edit rc.conf:

```
apache24_enable="YES"
```

- default document path is /usr/local/www/apache24/data/

Server Script (PHP)

- find php package(s)

```
pkg search php5 | grep -e "^php5"
```

- install php package(s)

```
pkg install -y apache24
```

- configure `/usr/local/etc/apache24/Includes/php.conf`:

```
<IfModule dir_module>
  DirectoryIndex index.php index.html
  <FilesMatch "\.php$">
    SetHandler application/x-httpd-php
  </FilesMatch>
  <FilesMatch "\.phps$">
    SetHandler application/x-httpd-php-source
  </FilesMatch>
</IfModule>
```

- copy template configuration file # `cp /usr/local/etc/php .ini-production /usr/local/etc/php .ini`

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