

**** IMPORTANT****

SET CLOCK / TIME / DATE in the bios

Press enter when debian screen comes on
Choose English language
Choose Your Country
Choose American English for Key map
Hostname = (this will be the NAME of the Server or Box)
Domain Name = (should be a FQD Fully Qualified Domain)
Erase Entire Disk
Select all files in one location or if advanced Multie user workstation
Finish Partitioning and write changes
Write changes to disk = YES
Install the grub bootoader to master boot record = YES
(Cd rom will eject) press continue
System will auto reboot
Blue screen pops up (ignore it will go away in 6 seconds)
(Bunch of writing goes by don't worry)
Welcome to NEW Debian system = OK
Hardware clock to GMT = NO
time zone = Your Time Zone
Root Password (Set Your Root Password)
Enter it again
User account = owfs (or whatever you want for a user account name)
Enter user name for account should be filled in just press enter
Enter User Password
Enter it again to confirm
Archive method = ftp
Mirror country = Canada (or choose your closest mirror)
Mirror = gulus.usherbroke.ca (is example)
LOTS OF WRITING just wait till blue screen pops up
Choose software = no checkmarks (OK)
MAIL CONFIGERATION = no configuration at this time
Root and Post master mail recipient (press enter)
OK (enter)
Login Prompt Comes up
Login = root
Password as entered above
Unnamed -r Look for the Kernel Version
apt-get install kernel-headers-x.x.xx listed after uname -r
IE: > **apt-get install kernel-headers-2.4.27-2-386**
Do you want to continue = Y
apt-get install g++ make python python-dev autoconf ssh
Do You want to Continue = Y

apt-get install apache2

Do You want to Continue = Y

***** Next is all One Line *****

apt-get install php4-curl php4-domxml php4-gd php4-dev php4-cgi libapache2-mod-php4 php4-imap php4-mcal php4-mcrypt php4-mhash php4-mysql php4-recode php4-xslt curl libwww-perl swig

Do You want to Continue = Y

Enable without mailDir Support = YES

apt-get install mysql-server

Do You want to Continue = Y

Hint come up Blue screen Just press OK

apt-get install phpmyadmin

Do You want to Continue = Y

blue screen just press ok

choose apache 2 (use tab button and space bar then tab to OK TURNS RED press enter)

Do you want to restart apache = YES

apt-get install joe (Joe is an editor)

apt-get install mc (mc is a windows explorer type display)

EDITING FILES

Edit apache files

Location /etc/apache2/apache2.config

Find this statment

Alias /icons/ "/usr/share/apache2/icons/"

<Directory "/usr/share/apache2/icons">

Options Indexes MultiViews

AllowOverride None

Order allow,deny

Allow from all

</Directory>

ADD THIS under it

Alias /phpmyadmin "/var/www/phpmyadmin/"

<Directory "/var/www/phpmyadmin/">

Options Indexes MultiViews

AllowOverride None

Order allow,deny

Allow from all

</Directory>

Look for this

#AddType application/x-httpd-php .php

#AddType application/x-httpd-php-source .phps

AddType application/x-tar .tgz

add this Under it

AddHandler php-script .php4

Action php-script /cgi-bin/php4

save it !!!!!

at command prompt type `apache2 -k restart`
go To
`cd /etc/apache2/sites-enabled`
edit the **000-default** file so it looks lke this.

```
NameVirtualHost *
<VirtualHost *>
    ServerAdmin yourname@yourdomain.com

    DocumentRoot /home/useraccount?/html/
    <Directory />
        Options FollowSymLinks
        AllowOverride None
    </Directory>
    <Directory /home/ useraccount?/html/>
        Options Indexes FollowSymLinks MultiViews
        AllowOverride None
        Order allow,deny
        allow from all
        # This directive allows us to have apache2's default start page
        # in /apache2-default/, but still have / go to the right place
        #RedirectMatch ^/$ /apache2-default/
    </Directory>

    ScriptAlias /cgi-bin/ /usr/lib/cgi-bin/
    <Directory "/usr/lib/cgi-bin">
        AllowOverride None
        Options ExecCGI -MultiViews +SymLinksIfOwnerMatch
        Order allow,deny
        Allow from all
    </Directory>

    ErrorLog /home/ useraccount?/error.log
    # Possible values include: debug, info, notice, warn, error, crit,
    # alert, emerg.
    LogLevel warn
    CustomLog /home/ useraccount?/access.log combined
    ServerSignature On

Alias /doc/ "/usr/share/doc/"
<Directory "/usr/share/doc/">
    Options Indexes MultiViews FollowSymLinks
    AllowOverride None
    Order deny,allow
    Deny from all
    Allow from 127.0.0.0/255.0.0.0 ::1/128
</Directory>
</VirtualHost>
```

Save it

```
type apache2 -k restart
```

```
type ifconfig
```

(will show you a buch of lines look for this (inet addr: X.X.X.X)

```
eth0  Link encap:Ethernet HWaddr 00:17:31:40:EC:F9
      inet addr:192.168.1.102 Bcast:192.168.1.255 Mask:255.255.255.0
this is ip address ^^^^^^^^^^^^^^^
```

Go to web browser on your pc to : [http:// ip address of server/phpmyadmin](http://ip address of server/phpmyadmin)
click on set root password
password to be enterd

reboot make sure everything is fine

ssh into box and copy these files over to /root/ directory

```
fuse-2.5.3.tar.gz
owfs-2.2p3.tar.gz
libusb-0.1.12.tar.gz
```

Unpack them all
tar xzvf filename IE: tar xzvf fuse-2.5.3.tar.gz

```
cd fuse-2.5.3
./configure
make
make install
cd
```

```
cd libusb-01.12
./configure
make
make install
```

```
cd
```

```
cd owfs-2.2p3 ( or current version )
./configure
make
make install
cd
```

To start owfs
`/opt/owfs/bin/owserver -u -p 3000`
`/opt/owfs/bin/owhttpd -s 3000 -p 3001`
`/opt/owfs/bin/owfs -s 3000 /mnt/1wire/`

Data Bases are in `/var/lib/mysql/useraccount`