

Bahir Dar University

Software engineering department

Installation process

Name: Meazaselasie Tadele

ID No: 1601988

Submitted to: Wendimu B.

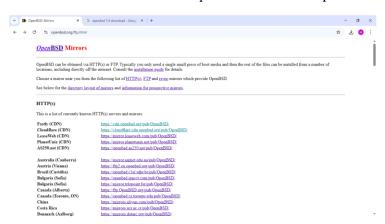
4. Installation Process

Step by step explanation

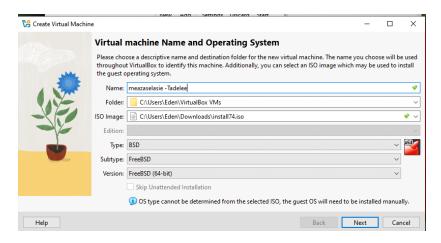
• First, I searched for Oracle Virtual Box and downloaded it from the official website.



• Then I downloaded the OpenBSD ISO from OpenBSD mirror.



 Once installed on my computer, I opened Virtual Box and created a virtual machine. I chose OpenBSD (64-bit) as the operating system and named the VM. I then mounted the ISO file to the virtual machine's optical drive from the VM settings.



• I started the virtual machine, and it booted into OpenBSD's text-based installer. The installer asked what I wanted to do I pressed i to start a fresh installation. I accepted the default keyboard layout since it matched my system. Then I entered a hostname of my choice for the system.

```
softraidO at root
scsibus1 at softraidO: 256 targets
root on rdOa swap on rdOb dump on rdOb
WARNING: CHECK AND RESET THE DATE!
erase ^?, werase ^W, kill ^U, intr ^C, status ^T

Welcome to the OpenBSD/amd64 ?.4 installation program.
(I)nstall, (U)pgrade, (A)utoinstall or (S)hell? I
At any prompt except password prompts you can escape to a shell by
typing '!'. Default answers are shown in [1's and are selected by
pressing RETURN. You can exit this program at any time by pressing
Control-C, but this can leave your system in an inconsistent state.

Choose your keyboard layout ('?' or 'L' for list) [default]
System hostname? (short form, e.g. 'foo') meaza
```

• I left the default interface (network) at em0, ran autoconf for both IPv4 and IPv6, and the system configured DNS automatically.

```
Choose your keyboard layout ('?' or 'L' for list) [default]

System hostname? (short form, e.g. 'foo') meaza

Available network interfaces are: em0 vlan0.

Network interface to configure? (name, lladdr, '?', or 'done') [em0] ?

Available network interfaces are: em0 vlan0.

em0: lladdr 08:00:27:dd:9b:ba

Network interface to configure? (name, lladdr, '?', or 'done') [em0]

IPv4 address for em0? (or 'autoconf' or 'none') [autoconf]

IPv6 address for em0? (or 'autoconf' or 'none') [none] autoconf

Available network interfaces are: em0 vlan0.

Network interface to configure? (name, lladdr, '?', or 'done') [done]

Using DNS domainname my.domain

Using DNS domainname my.domain
```

 Then I set a root password for admin access. I chose not to allow SSH login for root, for security reasons.

```
Password for root account? (will not echo)
Password for root account? (again)
Start sshd(8) by default? [yes] no
Do you expect to run the X Window System? [yes] yes
Do you want the X Window System to be started by xenodm(1)? [no] yes
Setup a user? (enter a lower-case loginname, or 'no') [no]
```

When asked if I wanted to start the X Window System with xenodm, I selected yes to enable a
graphical login screen. Then, I was prompted to create a user account. I entered meazaselasie as
the username and typed my full name as meazaselasie tadele. I set a password for the user

account by entering it twice. After that, I confirmed the timezone as Africa/Addis Ababa.

The installer showed that wd0 was the available disk, and I selected it as the root disk. I chose to encrypt the root disk with a passphrase for security. Since no valid MBR or GPT was found, I selected to use the whole disk with MBR. Then, I entered a new passphrase to finish setting up the encryption.

• The pre-selected system sets from the ISO were installed by the installer, e.g., bsd, base74.tgz, comp74.tgz, etc.

• Once installation finished, the installer asked to reboot the system. I rebooted the virtual machine, and it started from the virtual hard drive. The OpenBSD login prompt appeared, showing that the installation was successful.



Conclusion

The installation of OpenBSD was successfully done in Virtual Box. The installation involved easy system configuration, user creation, and system set installation. It gave an appropriate idea about installing OpenBSD and booting it online. As a whole, it was an easy but informative process.