

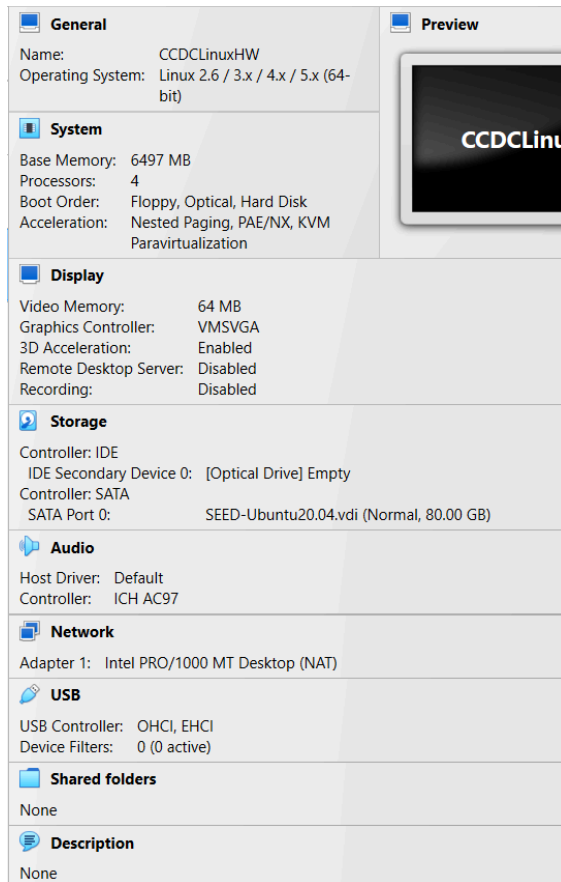
Homework 2

Linux Troubleshooting Lab

Pre-lab Directions:

1. Download Oracle Virtualbox if you don't already have it installed:
<https://www.virtualbox.org/wiki/Downloads>
2. Download the vdi file from this google drive link:
<https://drive.google.com/drive/folders/1yLuiDK0YanPmYOne4CpfMMTIUbXVtBPr?usp=sharing>
3. Read this documentation before you do anything:
<https://github.com/seed-labs/seed-labs/blob/master/manuals/vm/seedvm-manual.md>
4. If you already have a seed labs vm, you may have an issue with uploading the vdi file. Use this link to change the UUID:
https://tecadmin.net/change-the-uuid-of-virtual-disk/#google_vignette

5. Your config should be similar to this:



a.

Make sure you take snapshots of your vm so that you can go back if you get stuck!

The credentials are `seed:dees [user]:bruh`. For each of these tasks, make sure you screenshot evidence that you did the task and show the command(s)/script(s) used.

1. There is a file that should not be on this machine. It is called secrets.txt. Find it and screenshot the path of where you found it.
2. When you read secrets.txt, you will see that there are some users that should not be on this machine. Remove these users. Show that the users have been removed.

3. There is a file called "ips.log" that has the ip addresses of machines that have accessed the Athena AI Chatbot. Find the ip address that has the most requests in this file.
4. There are text files popping up on /root/Desktop. These should not be there. Stop them from generating.
5. Why does any password work to log in to "browser"? Fix this.
6. Add boo and babypeach to the sudo group.

Common Services

Go to kamino.sdc.cpp and clone CCDC_Fall_Services.

Show documentation and provide screenshots where necessary.

- Debian
 - Creds: **user:bruh, root:bruh**
- Windows
 - Creds: **Administrator:CCDC2025!**

Remote Access

1. On Electric (the Debian), install openssh-server and xfreerdp
2. On Eel (the Windows server), install Remote Desktop Protocol server
3. SSH into Debian from Windows
4. RDP into Windows from Debian
5. Check the status of SSH and RDP and show that they are running

File Shares

1. On Electric, install vsftpd
2. On Eel, install ftp
3. Configure Guest authentication for both FTP servers
4. Create a file in the FTP root of both servers
5. Access both FTP servers from the other machine
6. Check the status of the FTP on both machines and show that they are running

Web Servers

1. On Electric, install apache2
2. On Eel, install XAMPP
3. What is a webroot?
 - a. Try adding files to it and browse to them
 - Linux: /var/www/html
 - Windows: c:\xampp\htdocs

4. Check the status of the service on both machines and show that they are running

Deliverables

1. Documentation of how you fixed each issue in the provided VM.
 - a. Include:
 - i. Steps on how to remediate the issue
 - ii. Screenshots of what you did
 - b. Make sure to do your due diligence and test your fixes. There may be multiple things broken that allow a problem to exist after fixing one thing.
2. Documentation of how you completed each of the tasks above for remote access, file shares, and web servers.

Please delete your pod when you are done. Thank you!