

INTRODUCTION

This module will start with an interactive simulation of an ESXi installation. ESXi is the foundation of vSphere and is sometimes referred to as the host. After the installation, the ESXi Host Client will be reviewed. It is a web-based management tool that allows you to manage a single ESXi host at a time.

The remainder of the module will focus on using the vSphere Client to access vCenter Server and manage your entire virtual infrastructure using one interface. Virtual machines will be created, with more details covered on how to manage and monitor the environment. Lastly, you will migrate some workloads with VMware vMotion and learn how to use the performance charts and graphs in the vSphere Client.

This part of the lab is presented as a Hands-on Labs Interactive Simulation. This will allow you to experience steps which are too time-consuming or resource intensive to do live in the lab environment. In this simulation, you can use the software interface as if you are interacting with a live environment.

The **orange boxes** show where to click, and the left and right arrow keys can also be used to move through the simulation in either direction.

NOTE: You will see references to press the F11 or the Esc key, but this will have an adverse affect on the Interactive Simulation (ISim). It will be noted in the relevant steps below, but please use press the Tab key instead.

To start the installation, insert the ESXi installation media and power on the server to boot and load the ESXi installer. Then, follow the steps below:

1. Press the **Enter** key to start the installation.
2. Press the **Enter** key to Accept the EULA and continue.
3. Press the **Enter** key to select the drive to install ESXi on.
4. Press the **Enter** key to select the US Default keyboard.
5. For the Root password, type **VMware1!**
6. Press the **down-arrow** (↓) key to move to the **Confirm password** field.
7. Confirm the password by typing **VMware1!** again and press **Enter**.
8. Press **Tab** to confirm the installation process.

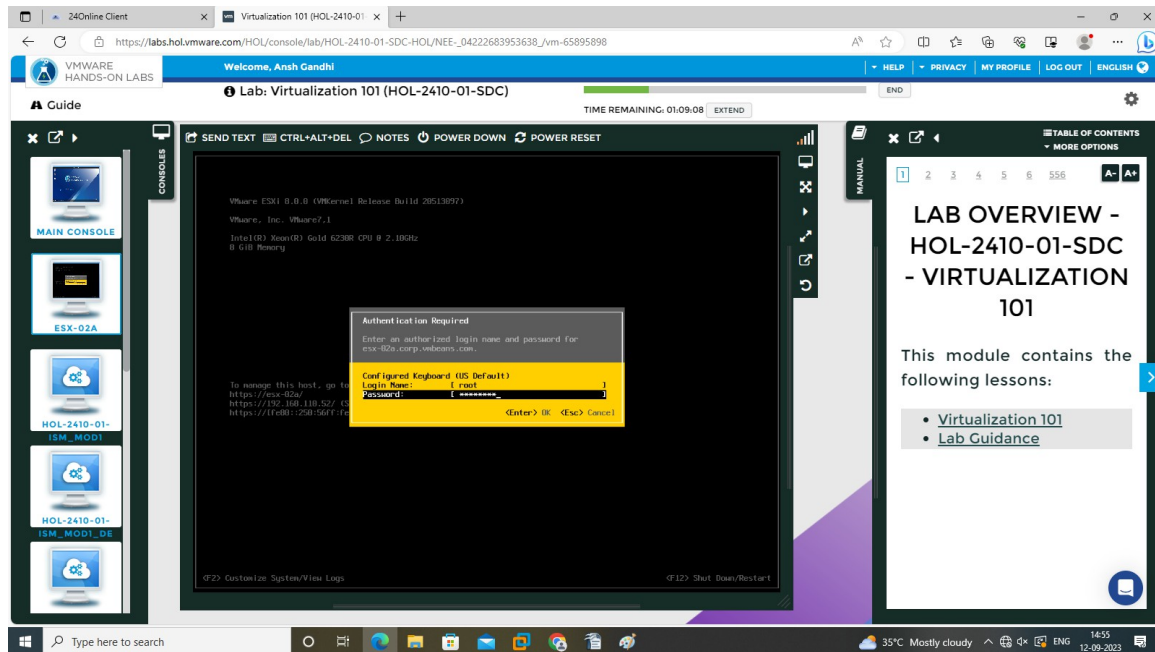
Now, watch ESXi being installed.

1. Press the **Enter** key to reboot the server.

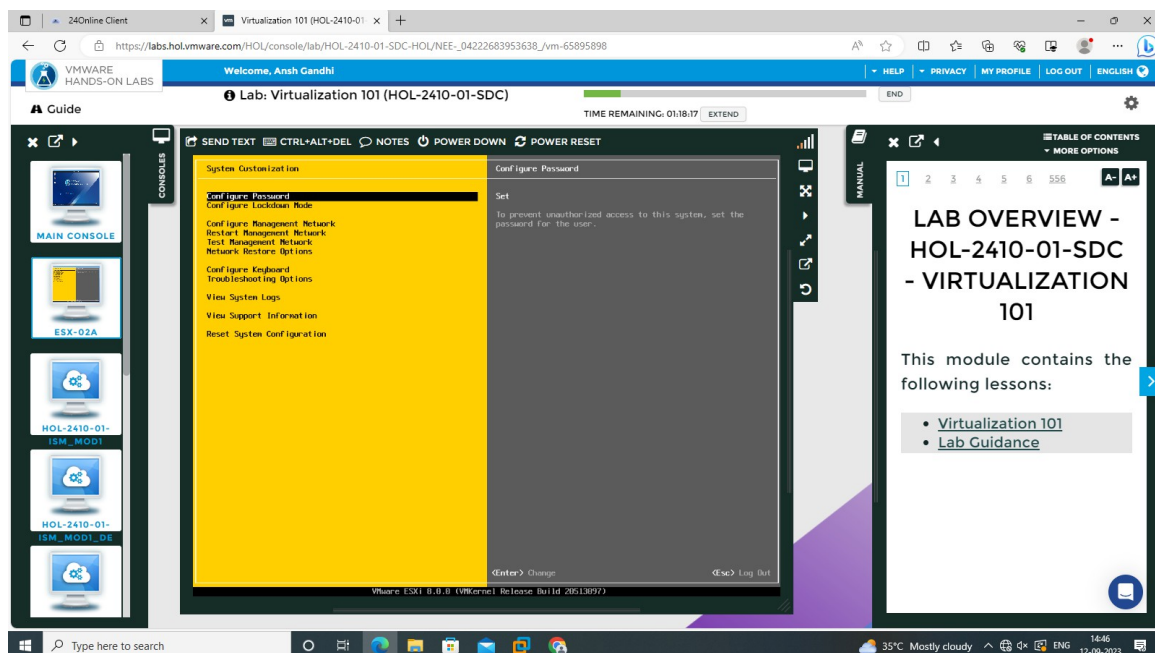
NOTE: At this point, you would want to remove the installation media prior to restarting. Now that the server is back up and running, we will need to

configure the settings for the Management Network. This will allow us to connect the ESXi host to the network and add the host to the vCenter Server.

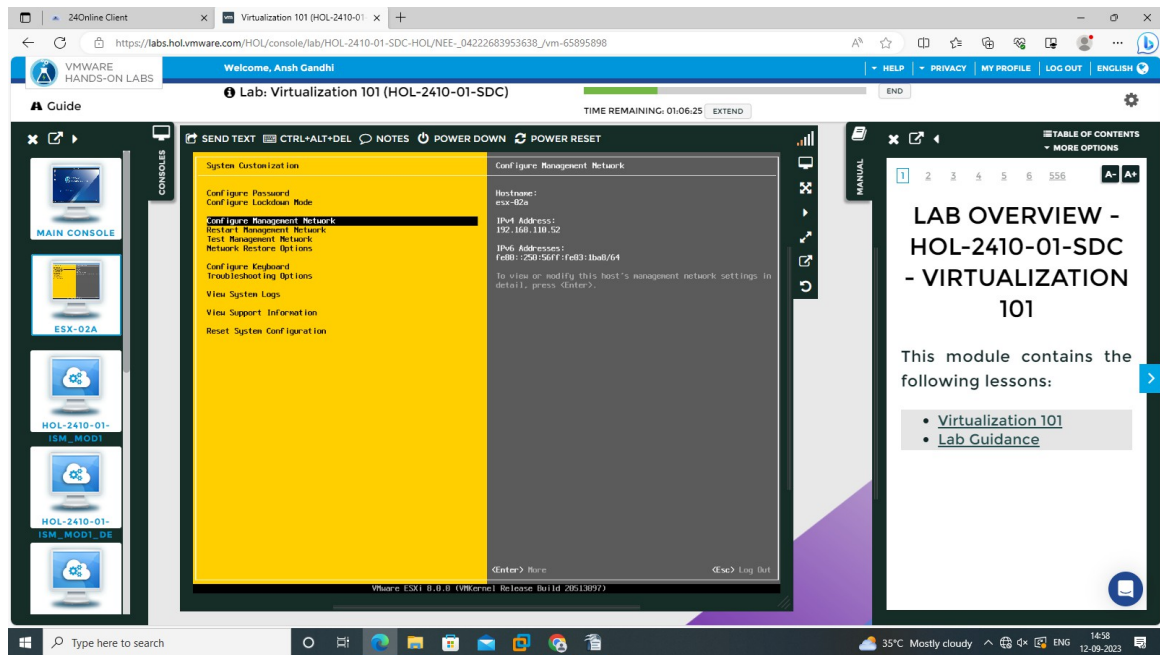
1. Press **Tab** to customize the system.
2. Press the **down-arrow** (↓) key to move to the **Password** field.
3. Type **VMware1!** for the password and press **Enter**.



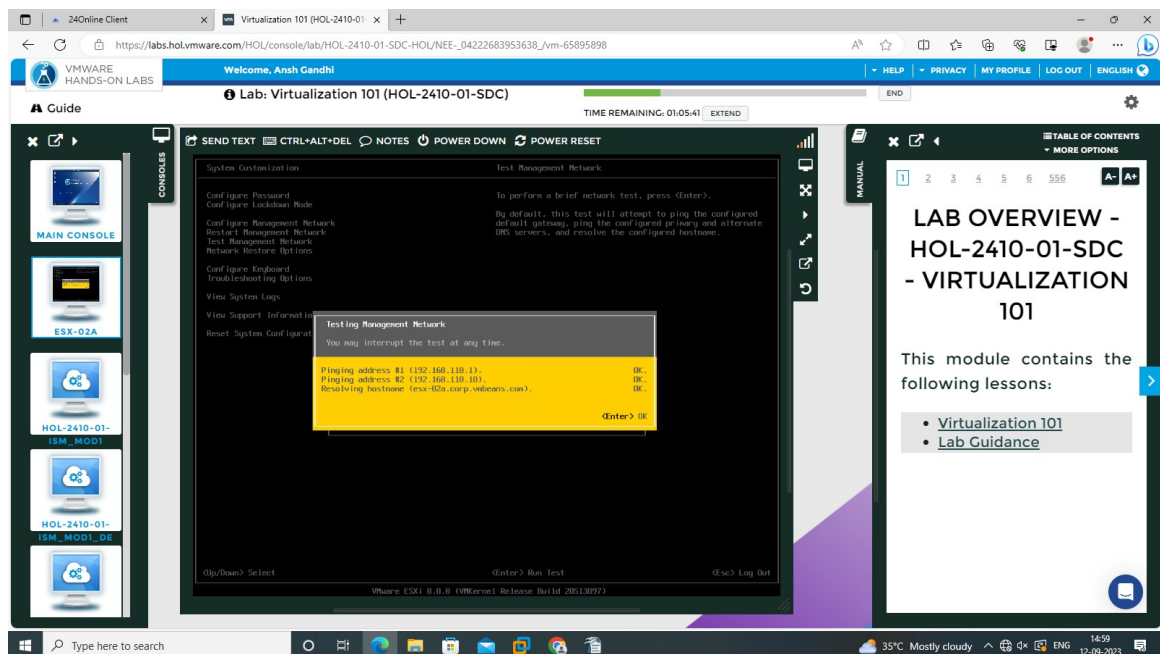
4.



5. Use the **down-arrow** (↓) key to select **Configure Management Network** and press **Enter**.
6. Press the **Enter** key again to select **Network Adapters**.



7. Use the **down-arrow** (↓) key to highlight vmnic2.
8. Press the **Spacebar** to select vmnic2. This will let us use two connections for load balancing and fault tolerance.
9. Press the **Enter** key.
10. Use the **down-arrow** (↓) to highlight IPv4 Configuration.
11. Press the **Enter** key.
12. Use the **down-arrow** (↓) key to select **Set static IPv4 address and network configuration**.



13. Press the **Spacebar** to select it.

14. Use the **down-arrow** (↓) to move to the IPv4 Address field.
15. Type **192.168.110.51** for the IP Address.
16. Use the **down-arrow** (↓) key to move to the Default Gateway field.
17. Type **192.168.110.1** for the Default Gateway and press **Enter**.
18. Use the **down-arrow** (↓) to highlight DNS Configuration.
19. Press the **Enter** key.
20. Use the **down-arrow** (↓) to highlight **Use the following DNS server addresses and hostname**.
21. Press the **Spacebar** to select it.
22. Use the **down-arrow** (↓) key to move to the Hostname field.
23. Type **192.168.110.10** for the Primary DNS Server.
24. Use the **down-arrow** (↓) key to move to the Hostname field.
25. Type **esx-01a.corp.vmbeans.com** for the hostname and press **Enter**.
26. Press the **Esc** key to apply these changes.
27. Press the **Y** key to apply the changes and restart the management network.
28. Use the **down-arrow** (↓) key to highlight Test Management Network.
29. Press the **Enter** key.
30. Press the **Enter** key again to start the test.
31. Press the **Enter** key once the test has completed successfully.
32. Press the **Esc** key to log out of the console.