Assignment 2 -Linux Installation
Systems Administration

Instructions

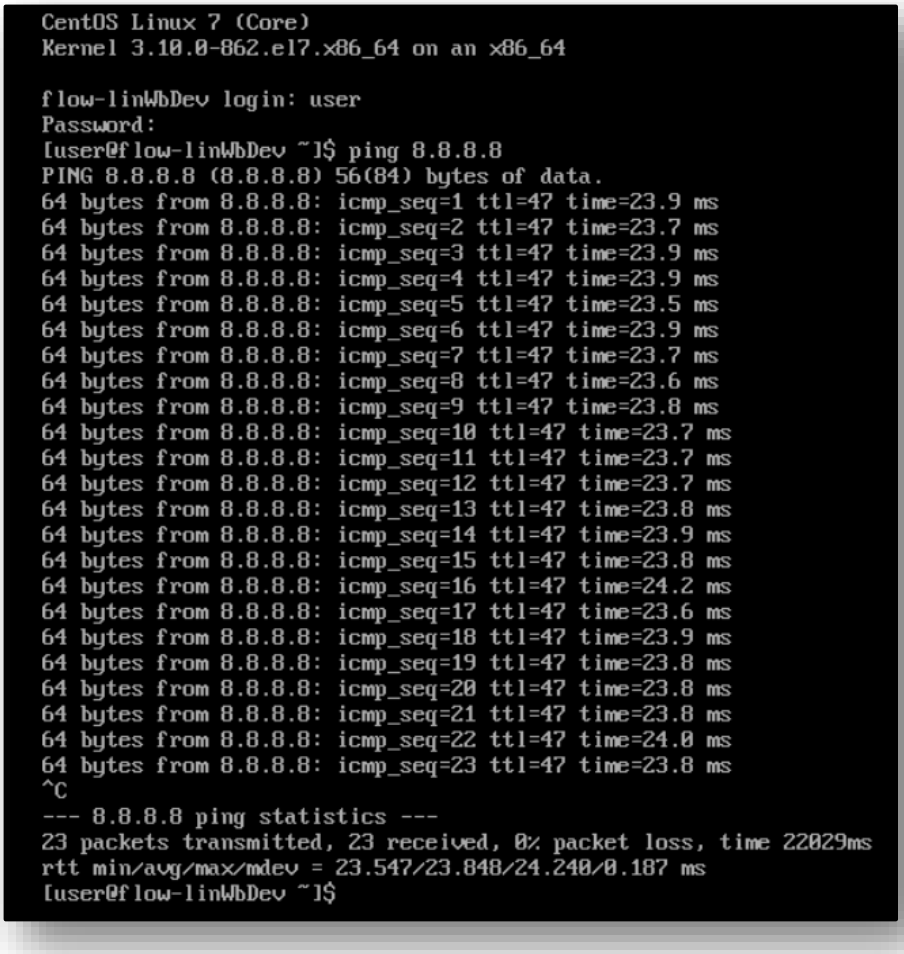
The web development team has requested that you install CentOS Linux on the system you created for them. Please install the system without a graphical user interface. Please ensure the hostname is set to the same name you created for the virtual machine and that the network is turned on during the installation process. Create an account with your username and set the password for this account and the root account to Pa$$w0rd.

When completed, test the system by logging in with your account and running the command "ping 8.8.8.8". Hit Ctrl-C to stop the ping command from running.

Screenshots

Paste the required screen shots under each description.

1. Paste a screen shot of the bash prompt showing your username, correct system name, and the ping command running successfully.



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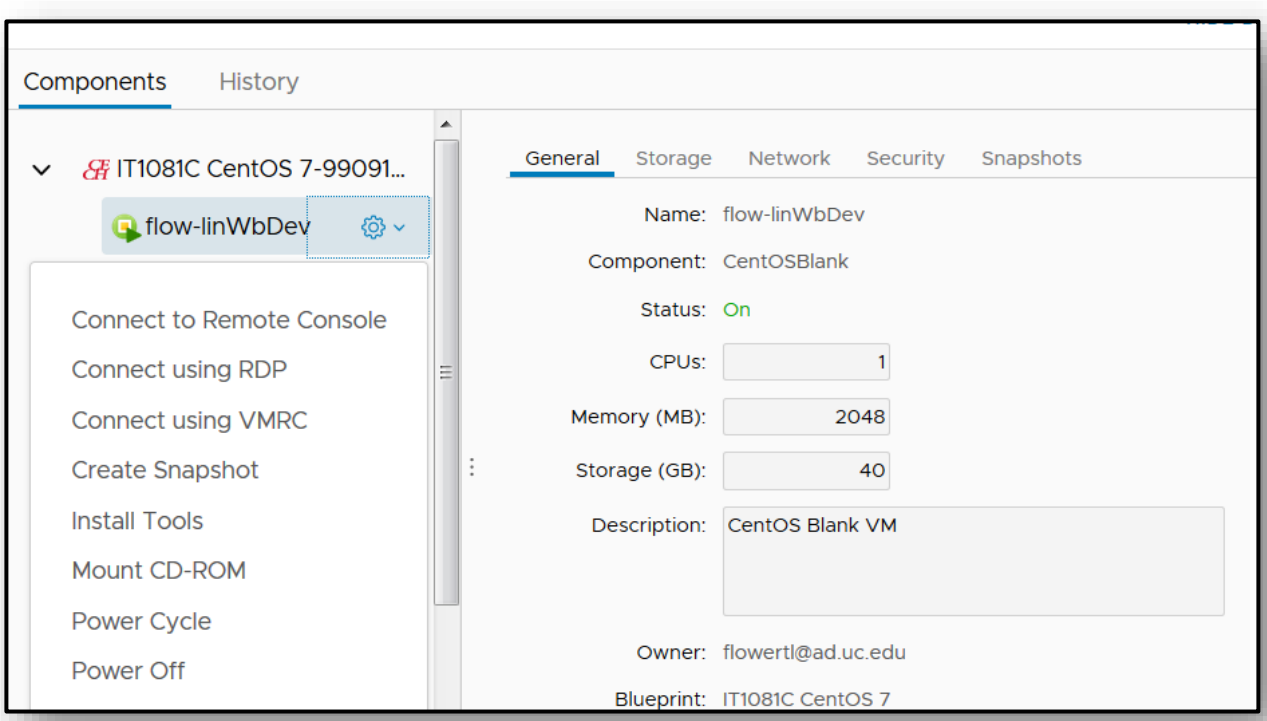
Documentation

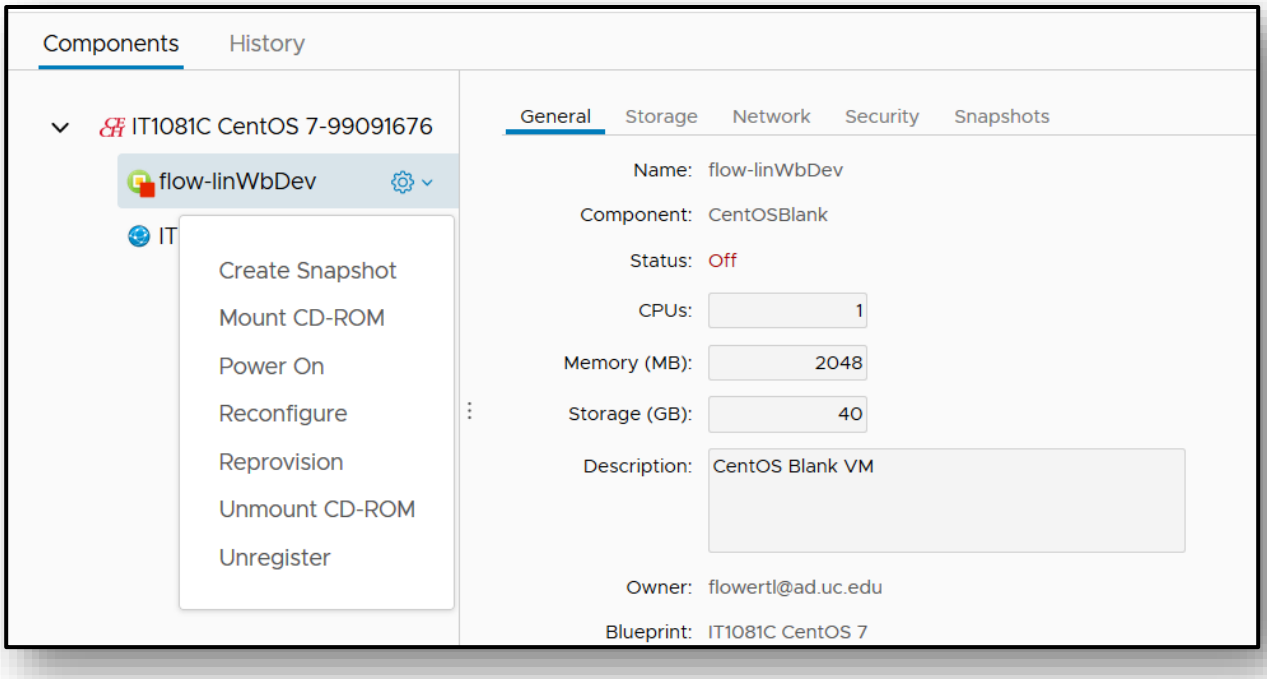
Record and explain all the steps you took to complete the task. Include any commands used, screen shots showing GUI interfaces, or any other information that would help you recreate the task.

Note: You will be allowed to use this documentation to help you complete future assignments.

1. Log into the **CECH Sandbox**.
2. Navigate to the **Catalog** tab.
3. Select the system for **IT-1081Cxx**.
4. Click **request** on deployment labeled **IT-1081C-CentOs**.
5. Highlight virtual machine.
6. In the machine name field, enter **<username>-lin**.
7. Click **submit** on the bottom right.
8. Click **Ok**.
9. Switch to the deployments tab; here you will see the progress of your system.
10. After a couple of minutes, click on the newly deployed CentOs system.
11. On the **Components** tab, click your system.
12. With the system highlighted, click the **Actions Menu** and select **Power Off**.

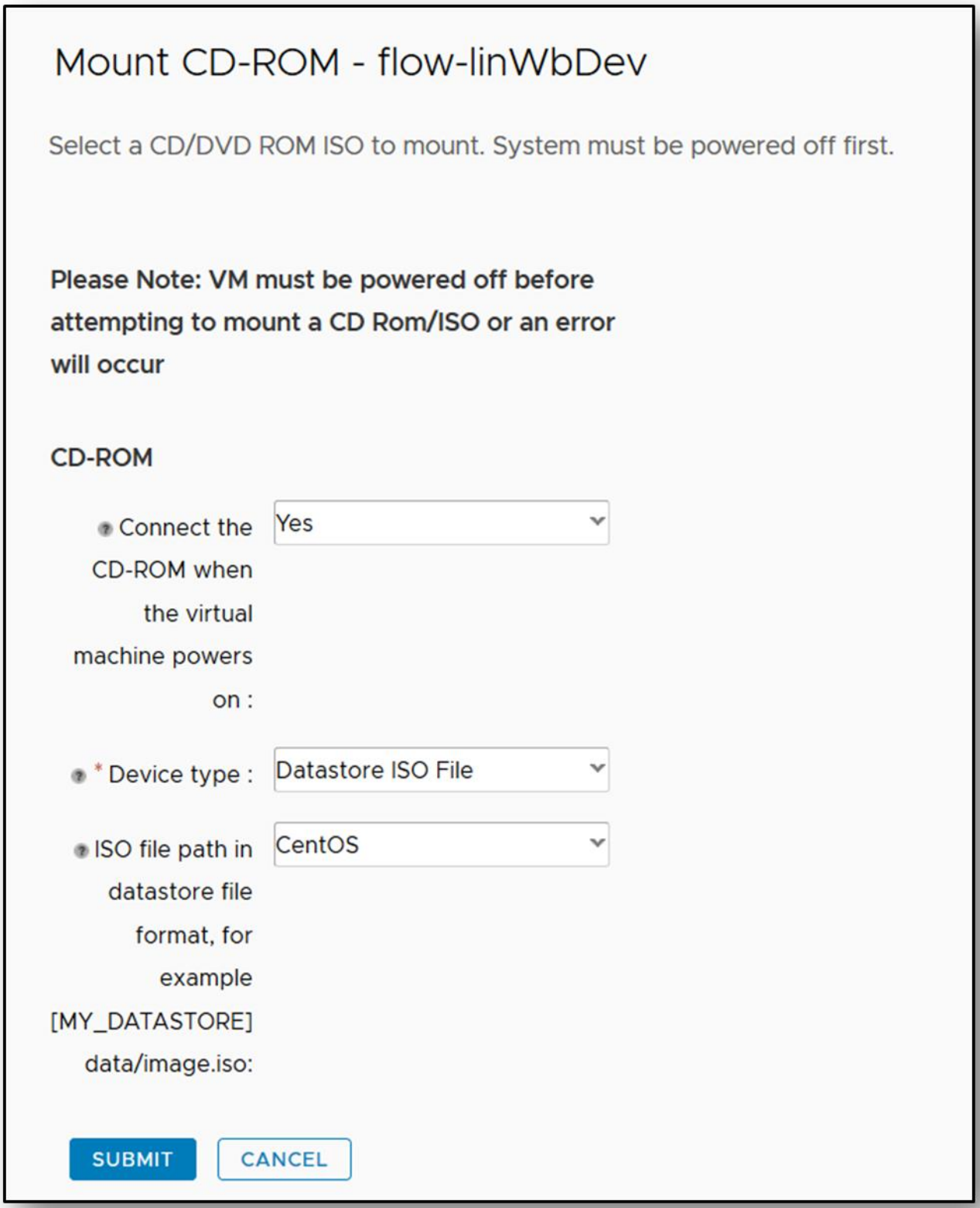


13. A **Power Off <username>-lin<assignment specifications>** prompt will display on the screen.
14. Click **submit**.



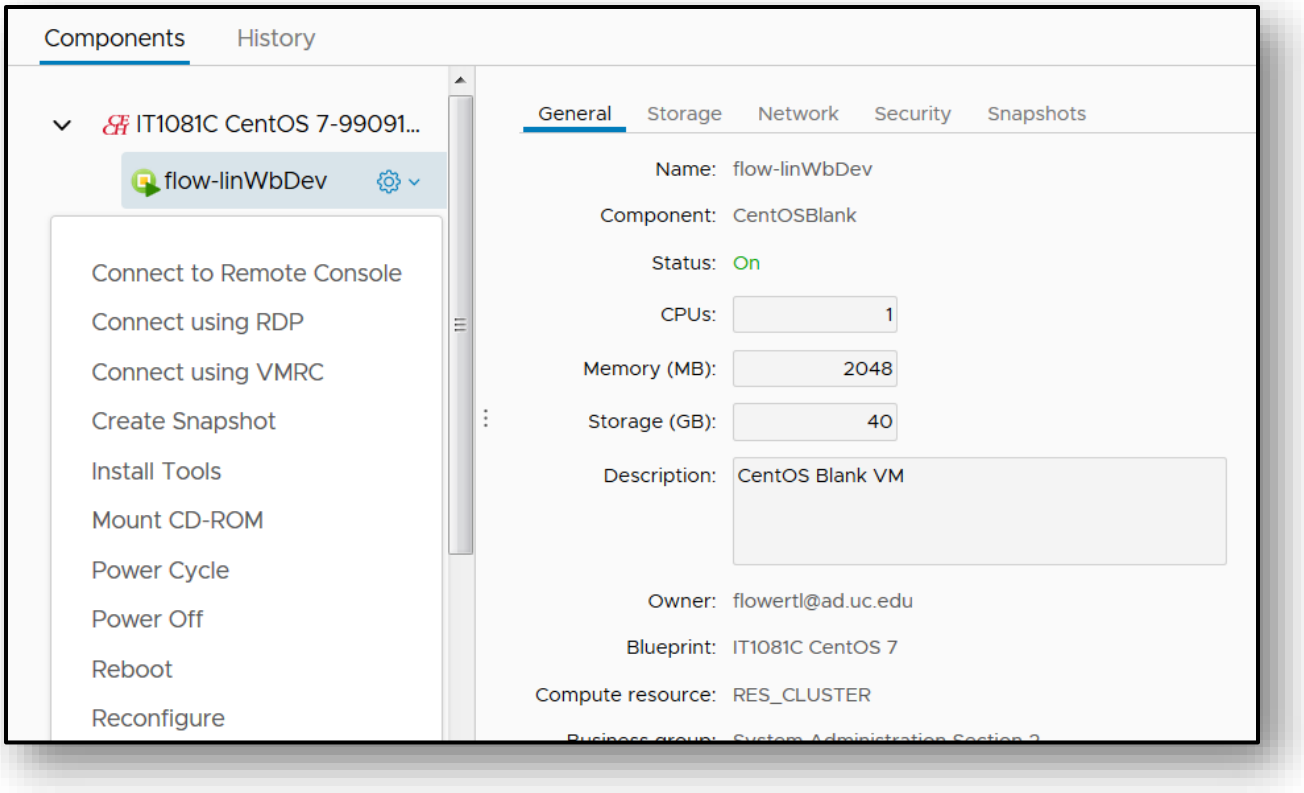
15. After a few minutes, refresh the deployments page and click on your system.
    Note: You may have to refresh a couple of times, as the Actions Menu is not always automatically available when system is powering off.
16. Highlight system and click the **Actions Menu**.
17. Click **Mount CD-Rom**. On the Mount CD-Rom page, use the drop-down menu to:
    - Change the **Connect the CD-Rom when the VM Powers On**:" from **no** to **yes**.
    - Select **Datastore ISO file** as the Device type.

- Select **CentOS** as the ISO file path. And then click **submit**.



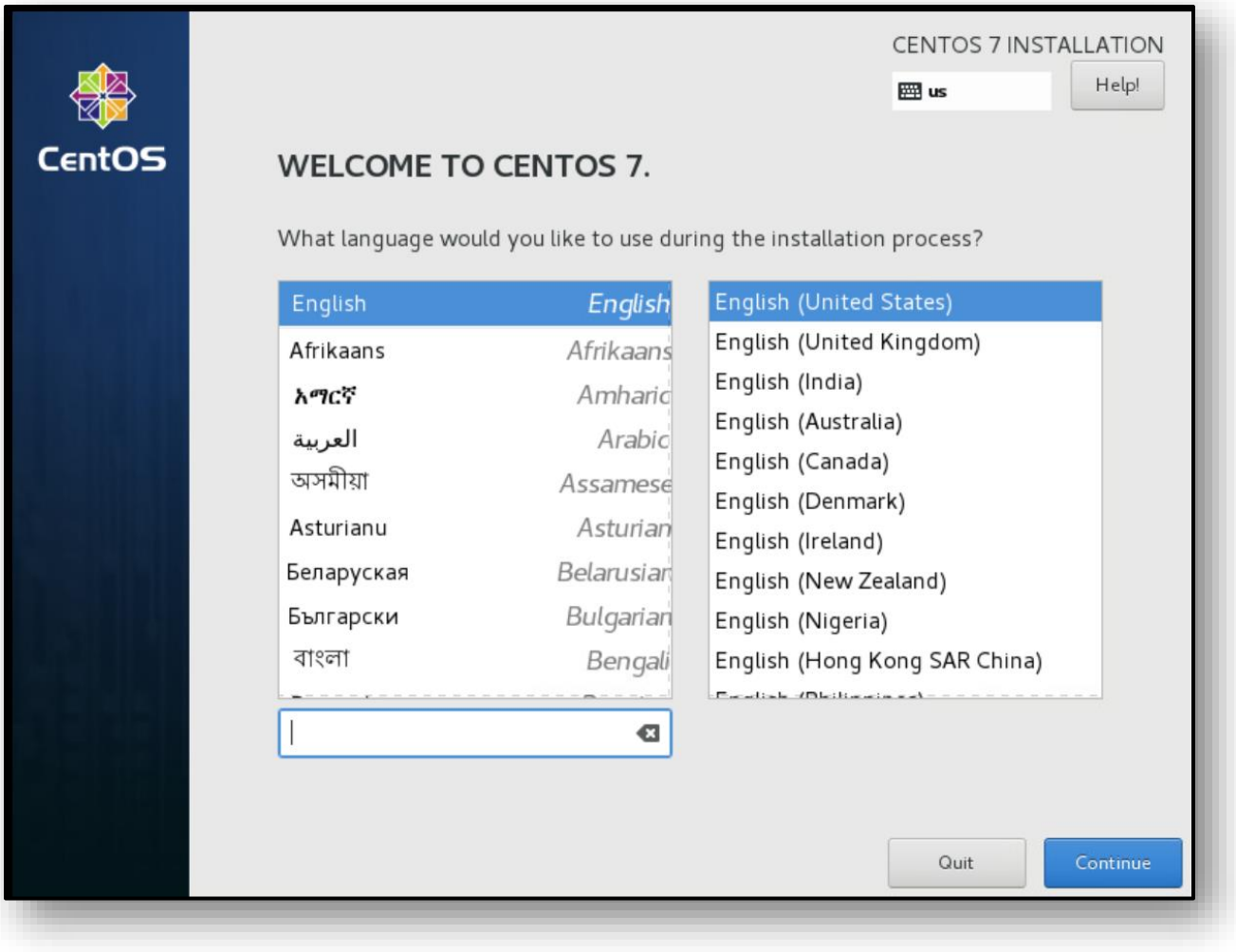
18. With the system highlighted, click the **Actions Menu** and select **Power On**.
19. A **Power On <username>-lin** prompt will display on the screen.
20. Click **submit**.

21. Wait a few minutes for the system to power on.
22. After a few minutes, refresh the deployments page and click on your system.
    Note: You may have to refresh a couple of times, as the Actions Menu is not always automatically available when system is powering on.
23. Highlight system and click the **Actions Menu**.
24. Click **Connect to Remote Console**.

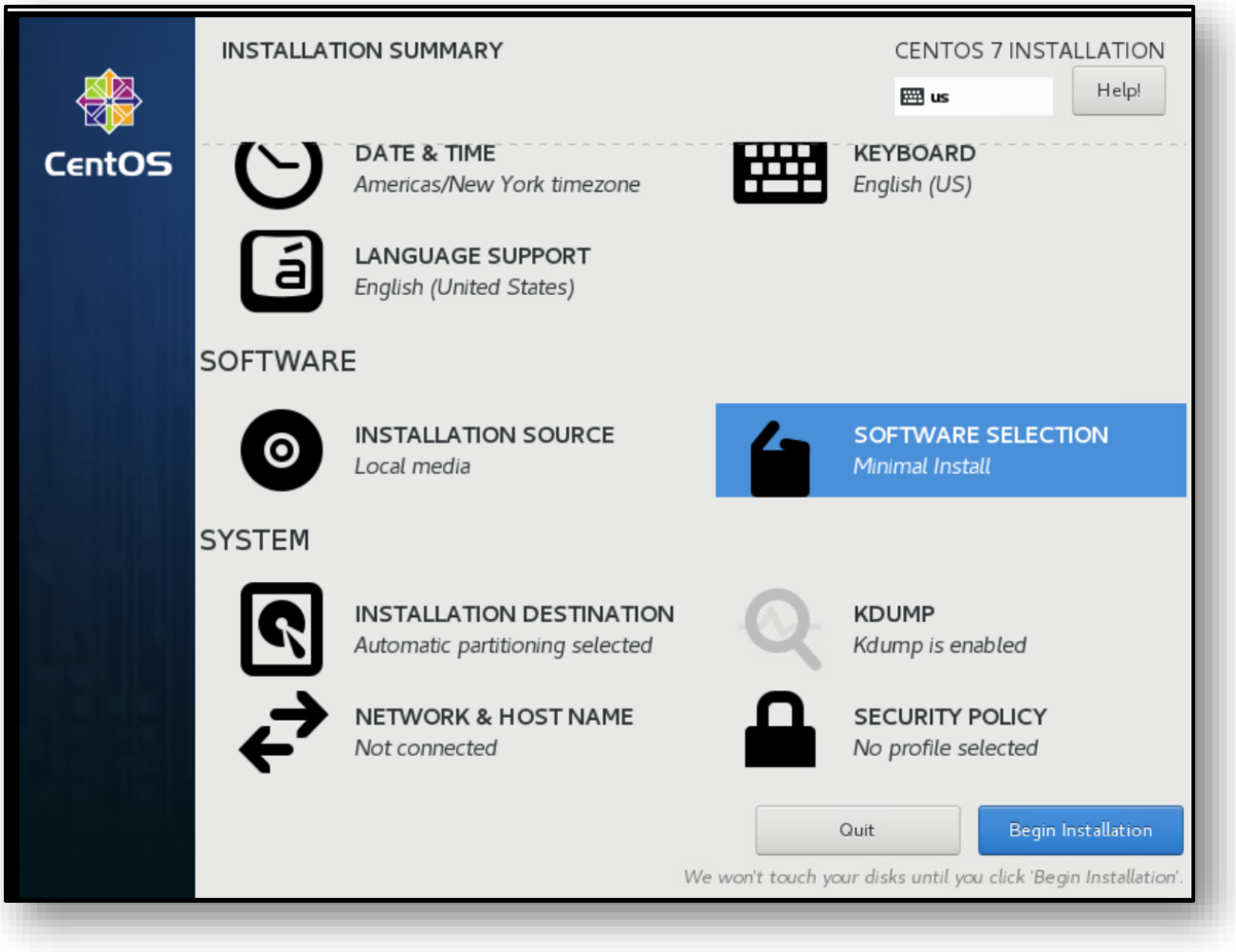


Welcome to the Remote Console!

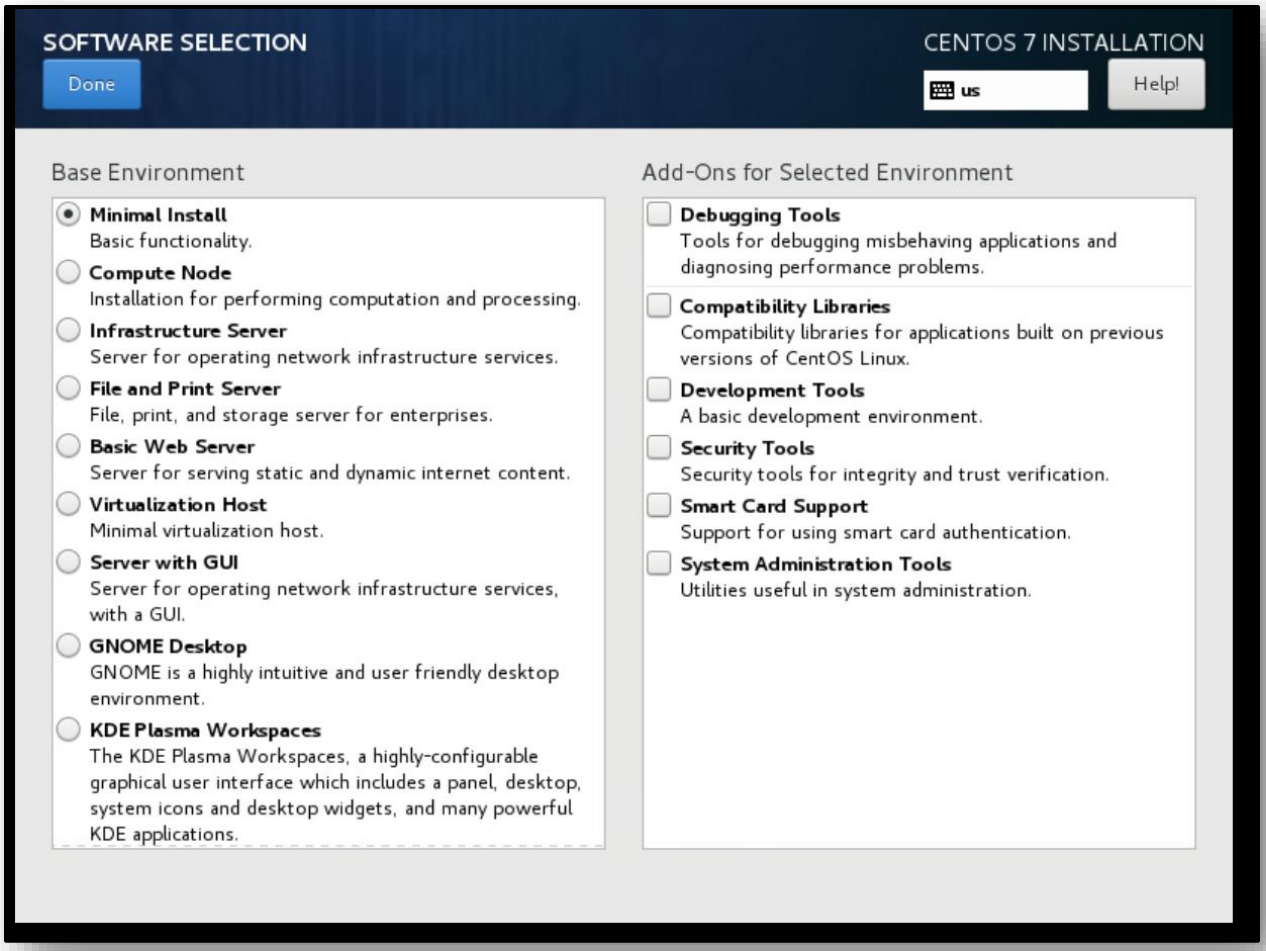
25. Hit enter to begin installation.
    Note: If you do not hit enter within a specified timeframe, testing will begin. Press the escape key to abort test.
26. On the CentOs 7 Welcome page, select your preferred language.
27. Click **continue**.



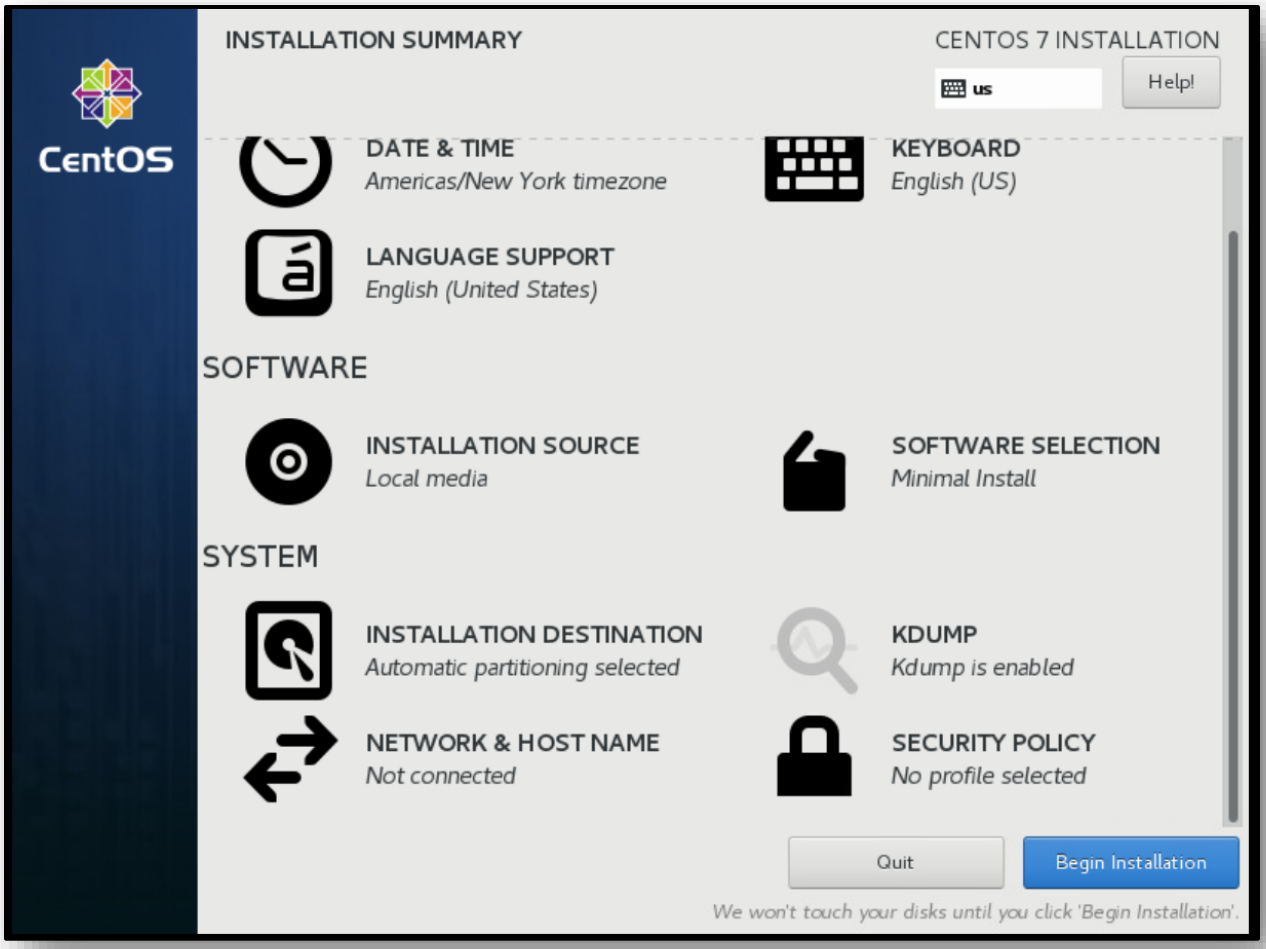
28. On the **Installation Summary** page, click on **Software Selection**.



29. On the Software Selection screen, select **minimal install**.



30. Click **done**.
31. Back on the Installation Summary page, select **Installation Destination** to choose the hard disc to install the OS on and create additional partitions, if necessary.
32. Click **done**.
33. Finally, let's set up our Internet connection.
34. On the Installation Summary page, click **Network and Host Name.**



35. On Network and Host Name page, proceed as follows:
    - Enter **<username>-lin<assignment specifications>** in the Host name field.
    - Toggle **Ethernet** from Off to On.
36. Click **done**.

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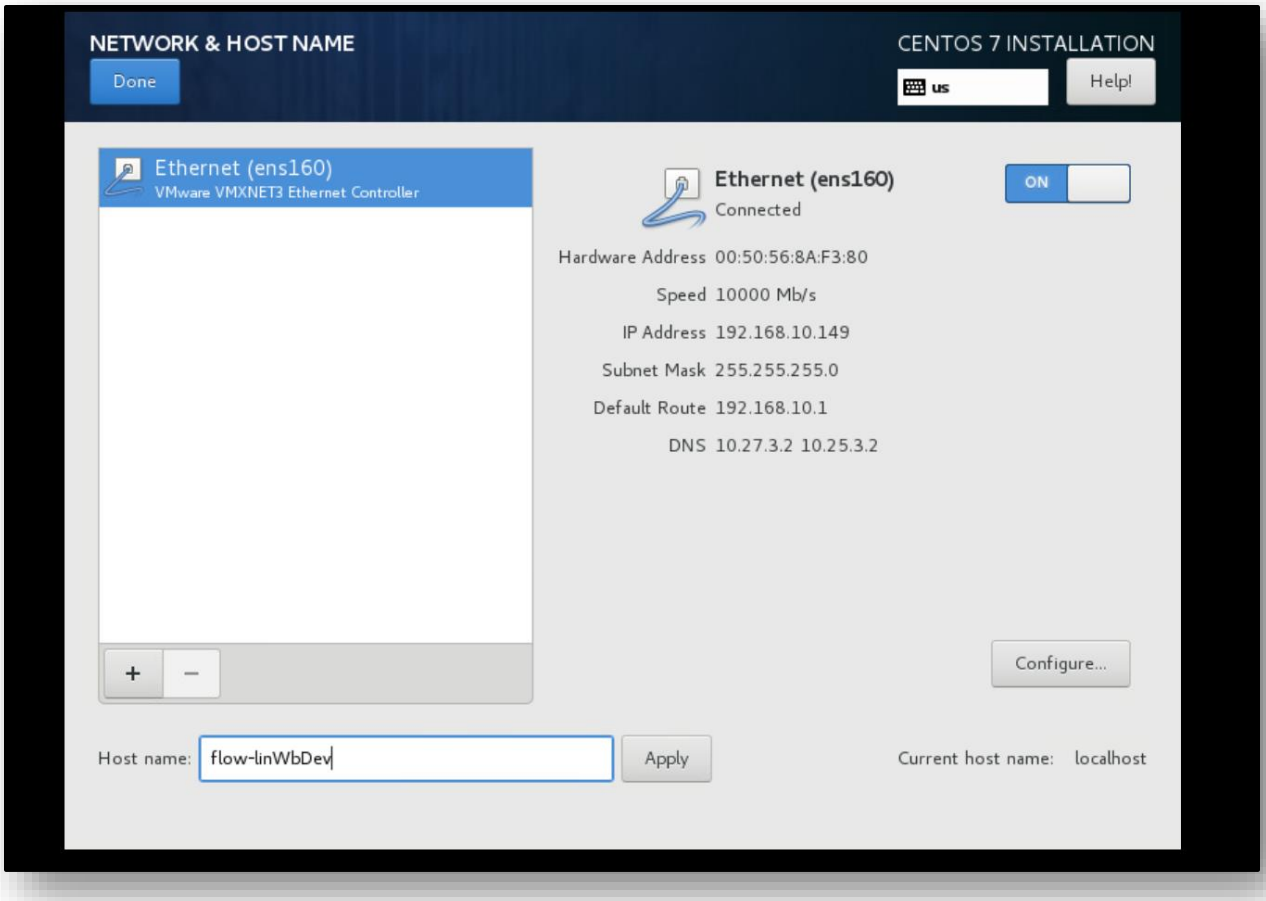

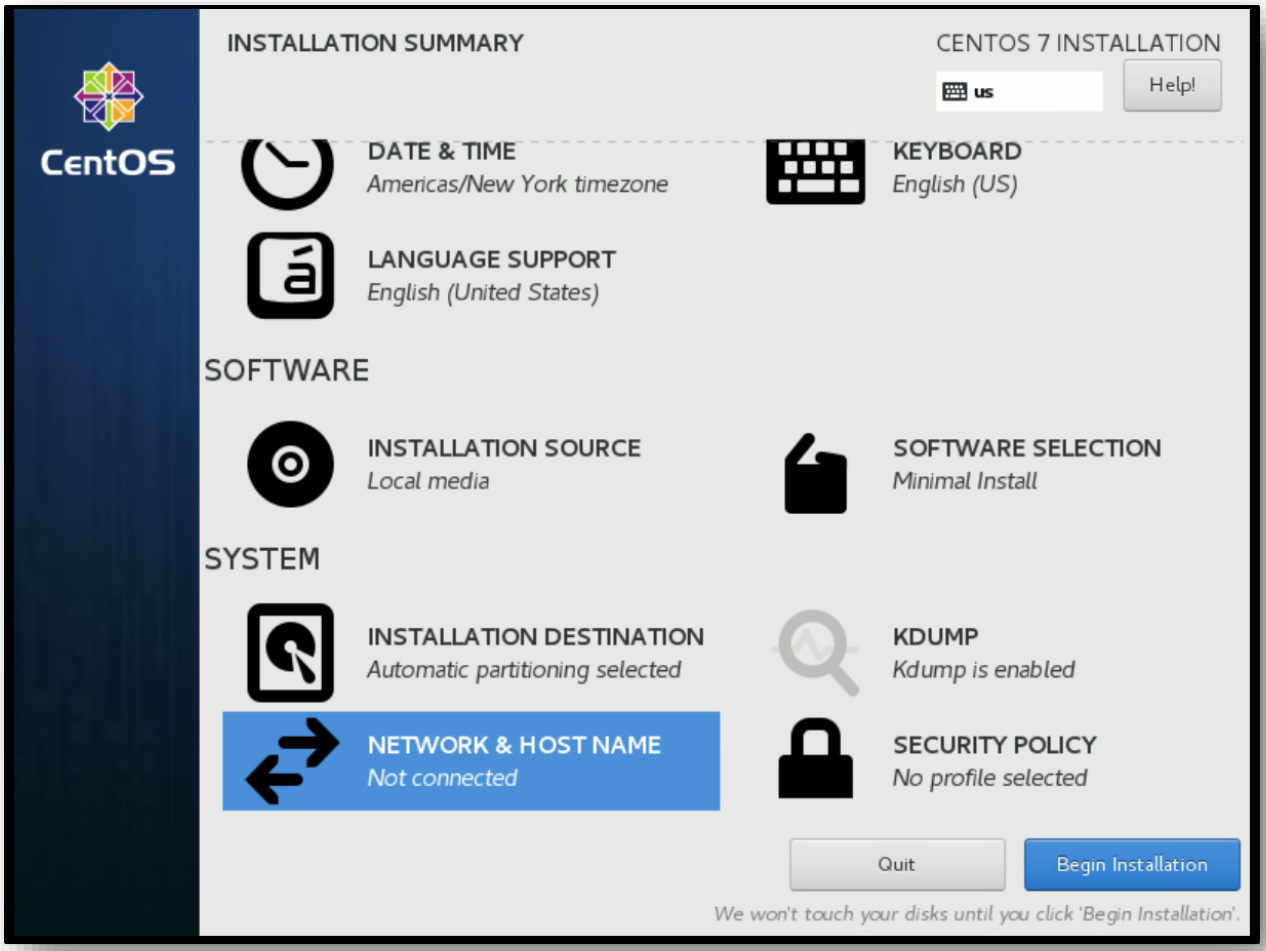

37. Now, we are ready to install the operating system.
38. Click **begin installation** located on bottom right.
    Note: The installation will take a few minutes, while waiting, set up your user account.
39. Click on **Root Password**.

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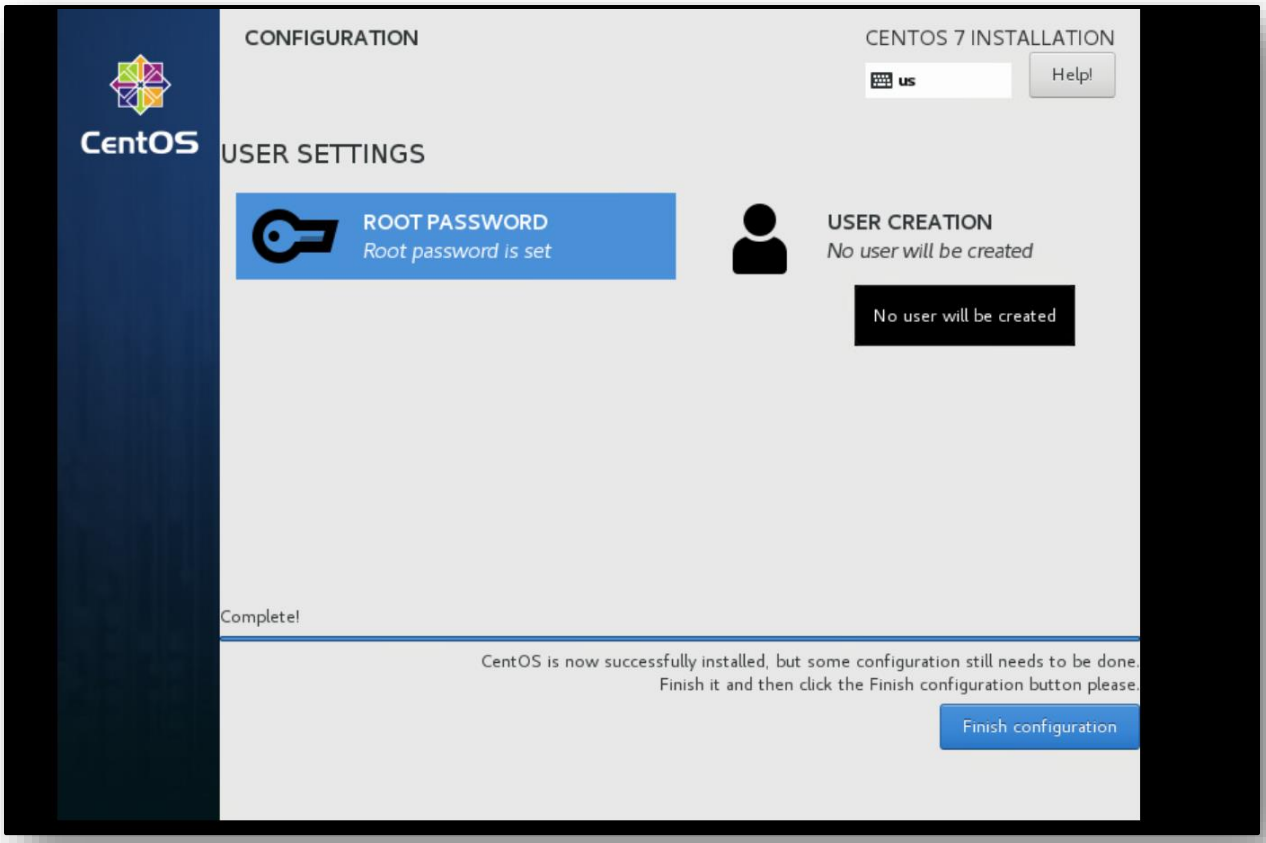
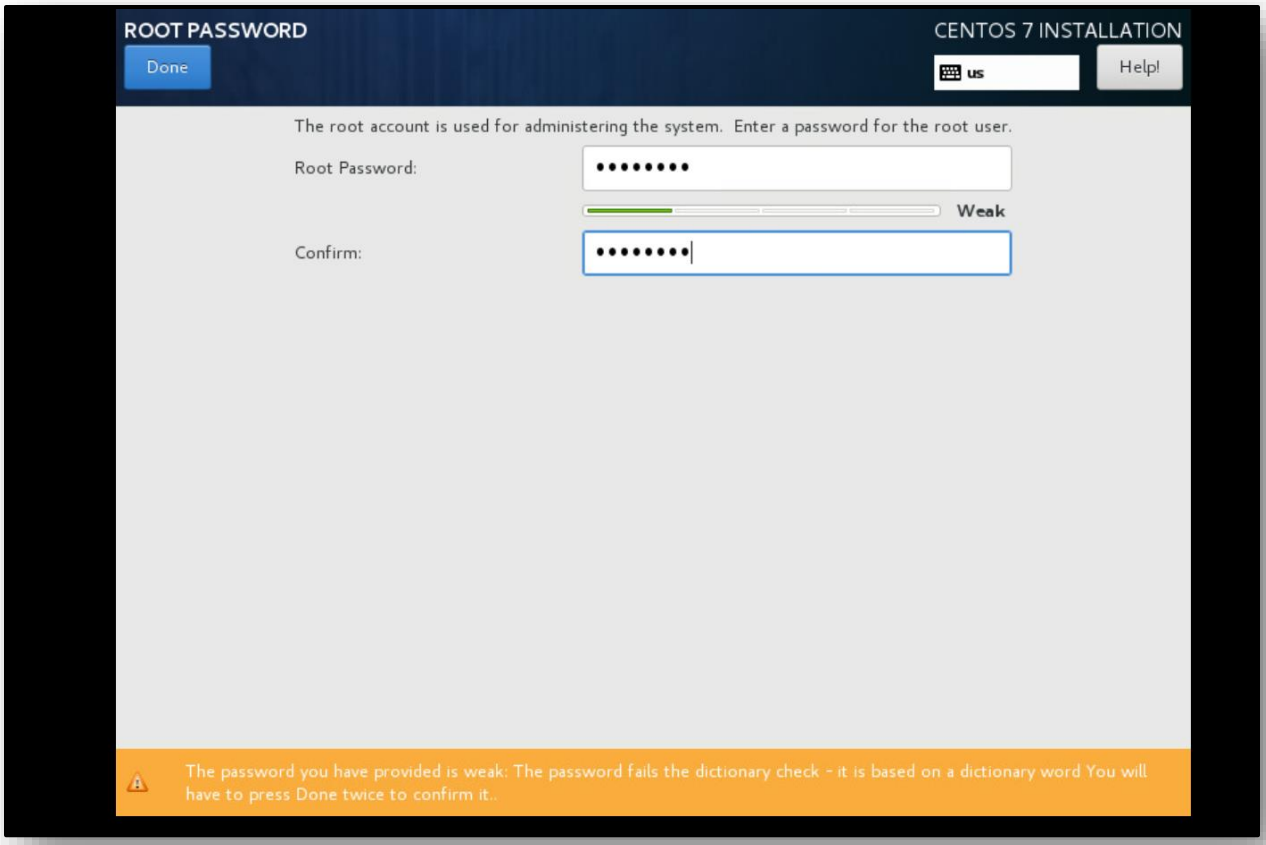
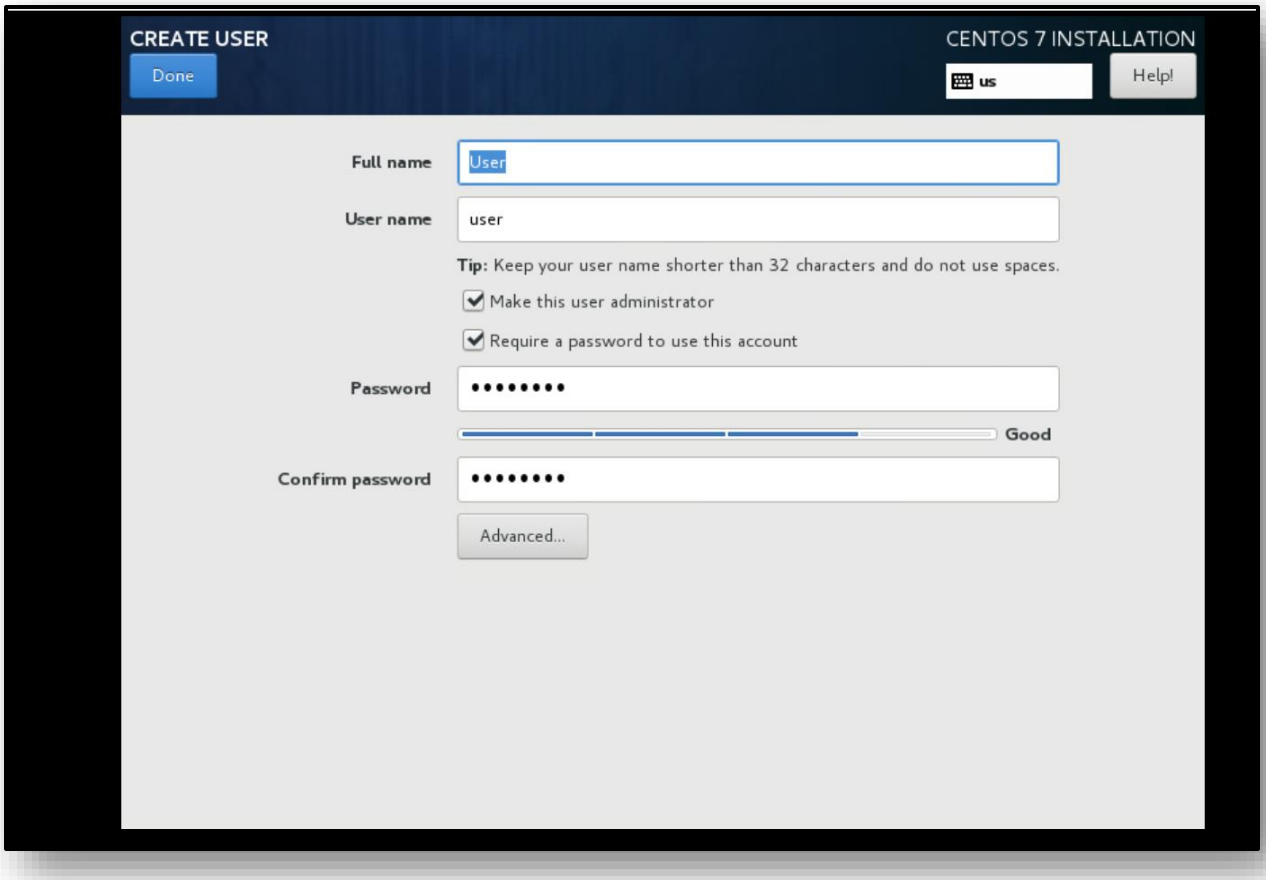
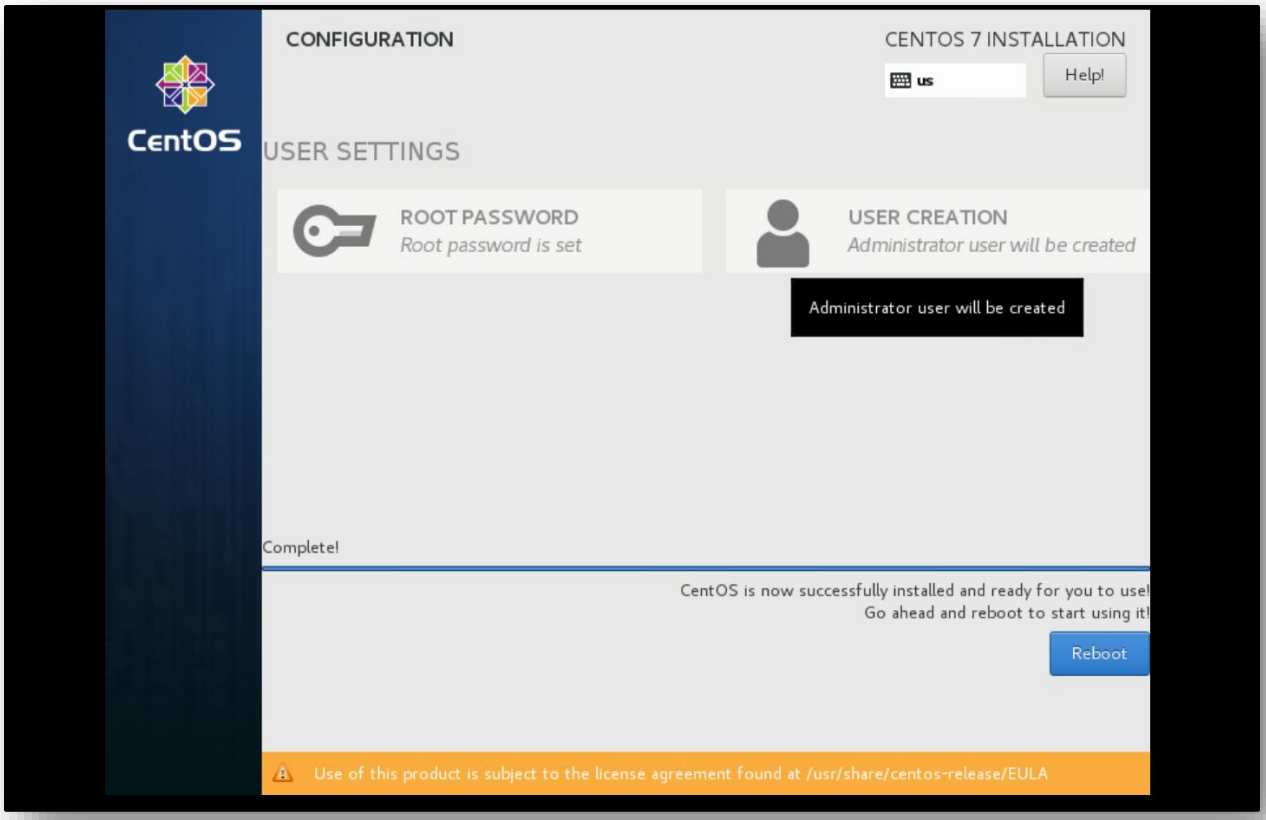




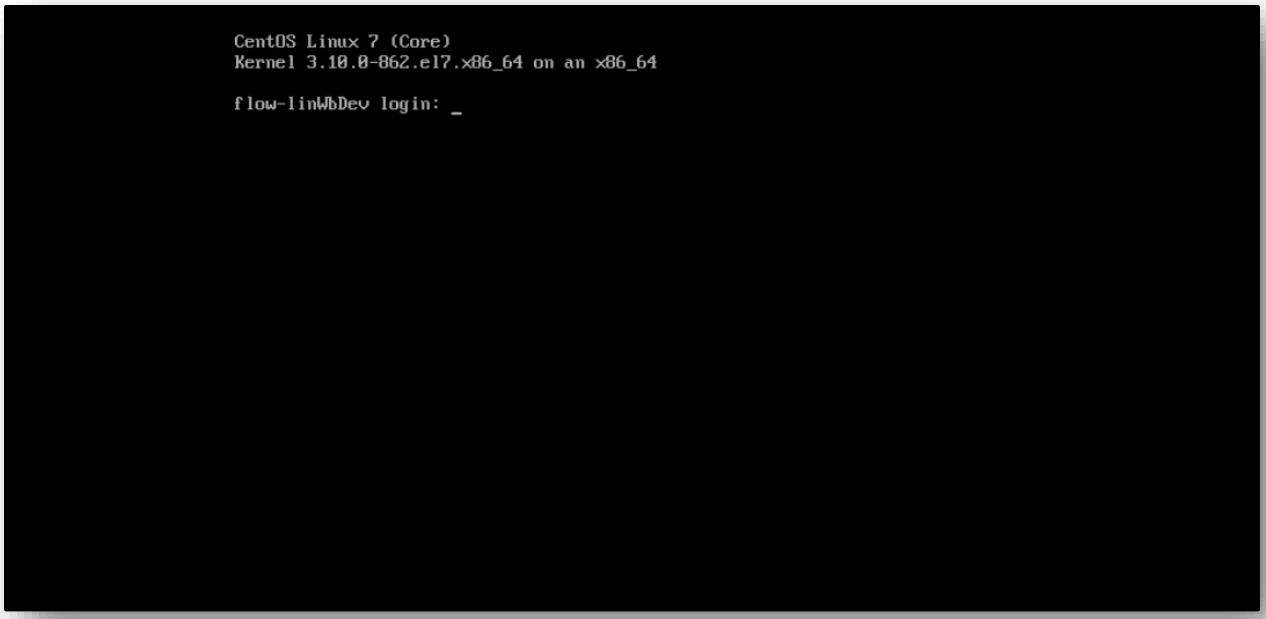
40. On the **Root Password** page, enter **Pa$$w0rd** in the **root password** field.
    - **Confirm** password by entering **Pa$$w0rd** (password is case sensitive).
    - Then click **done <u>twice</u>** to accept password.
41. Back on the **User Settings** page, click **user creation** to create user account.
    - In the **Full Name** field, enter **User**.
    - Check the checkbox to “make this user administrator.”
    - In the password field, enter **Pa$$w0rd**.
    - **Confirm** password by entering **Pa$$w0rd**.
    - Click **done <u>twice</u>** to accept user account creation.

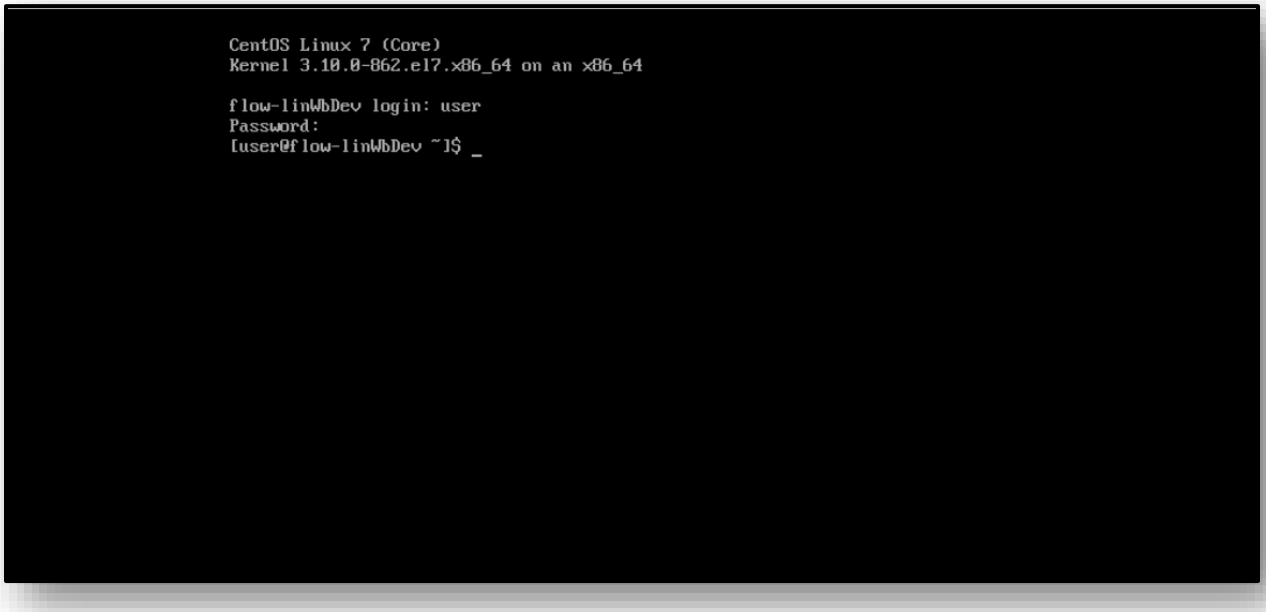


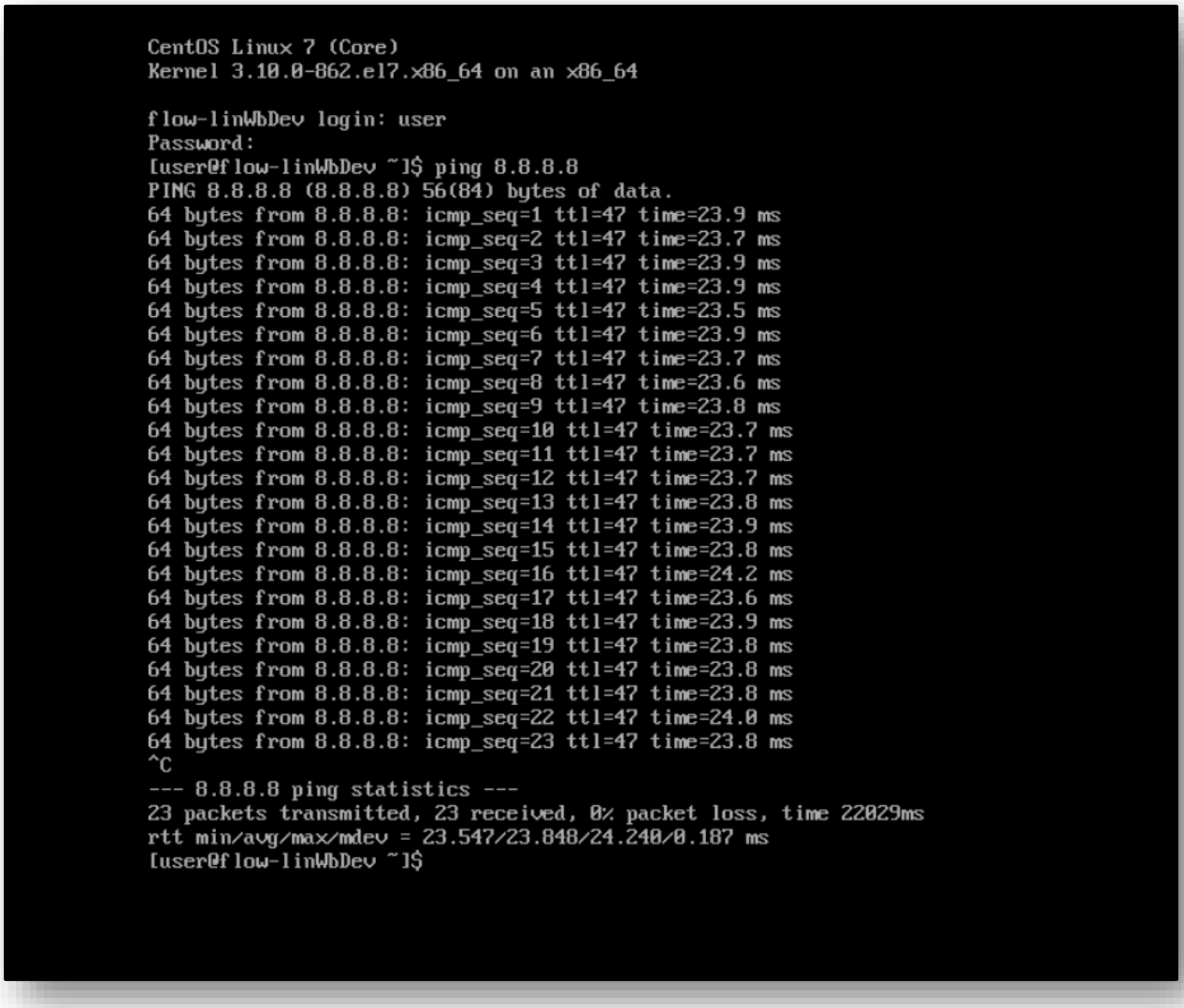
42. At the bottom left of the screen, click **Finish Configuration**.
    Note: The system configuration will take a few minutes to complete. Once finished, you will receive a **Complete!** declarative message.
43. Click **reboot**.



44. In the terminal, enter **user** for the login and **Pa$$w0rd** for the password.
    Note: While typing the password, you will not see the password display on the screen. Slowly type your password.





45. Enter **ping 8.8.8.8** to test the system.
46. Hit **CTRL-C** to stop the ping command from running.
47. Take a screenshot of your hostname, account, and ping to upload for the assessment.

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