

How to Install Red Hat Enterprise Linux (RHEL)

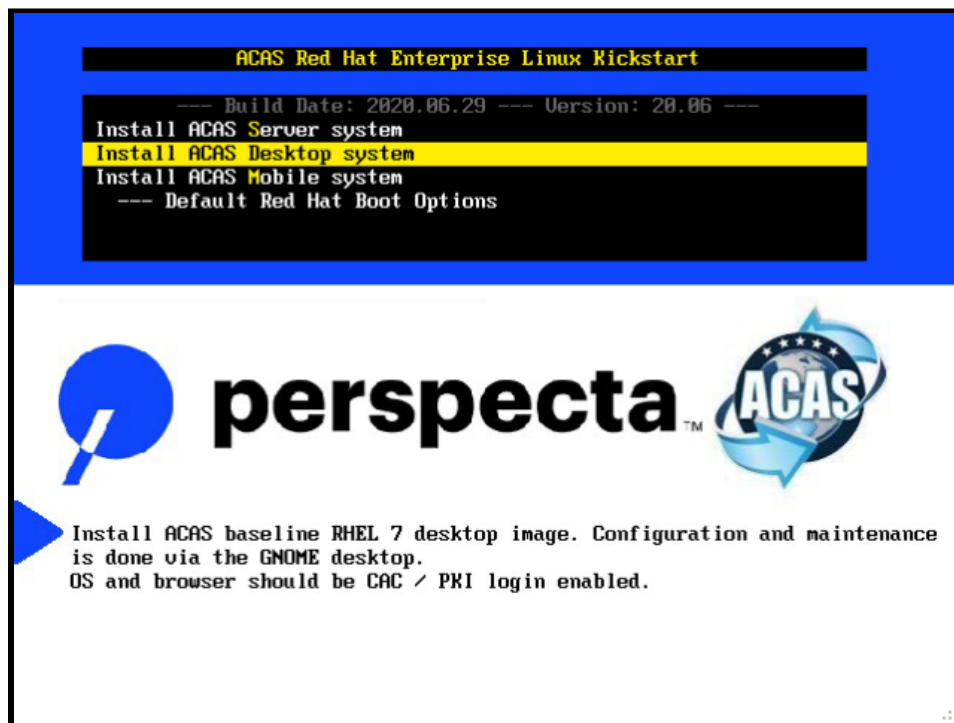
Task. Install RHEL.

Purpose. RHEL is a Linux distribution developed by Red Hat and one of the Operating Systems capable of running Tenable.sc and the Nessus vulnerability scanner.

Conditions. You have access to a bootable DVD disc or USB drive with RHEL on it (this How-To does not cover how to create a bootable DVD disc or USB drive).

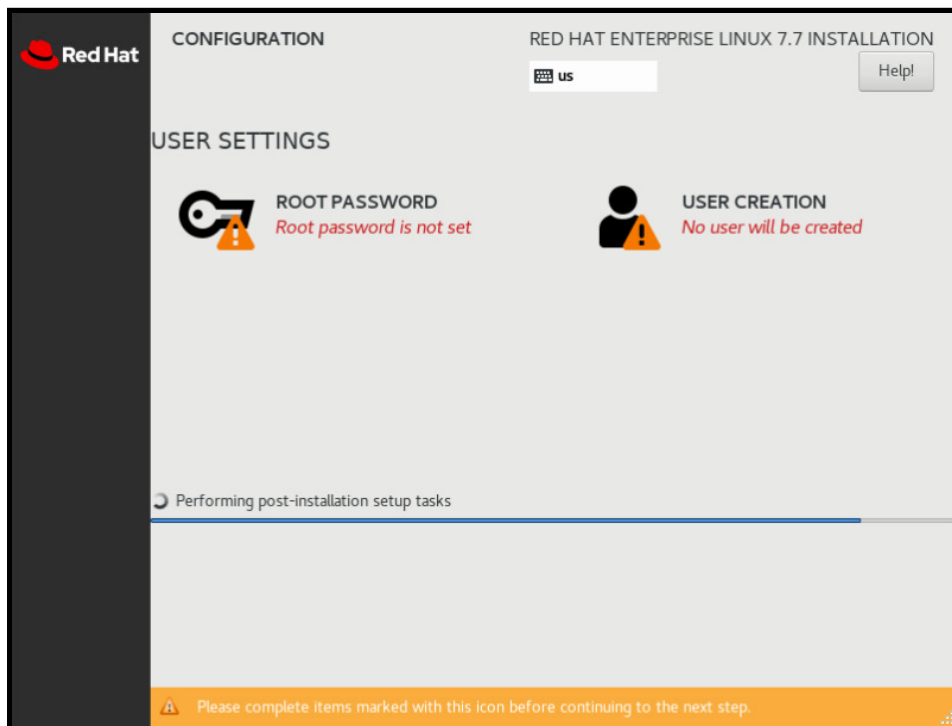
Standard. You were able to install RHEL.

Step 1. Boot your computer using the bootable DVD disc or USB drive with RHEL on it. Select “Install ACAS Desktop system.”

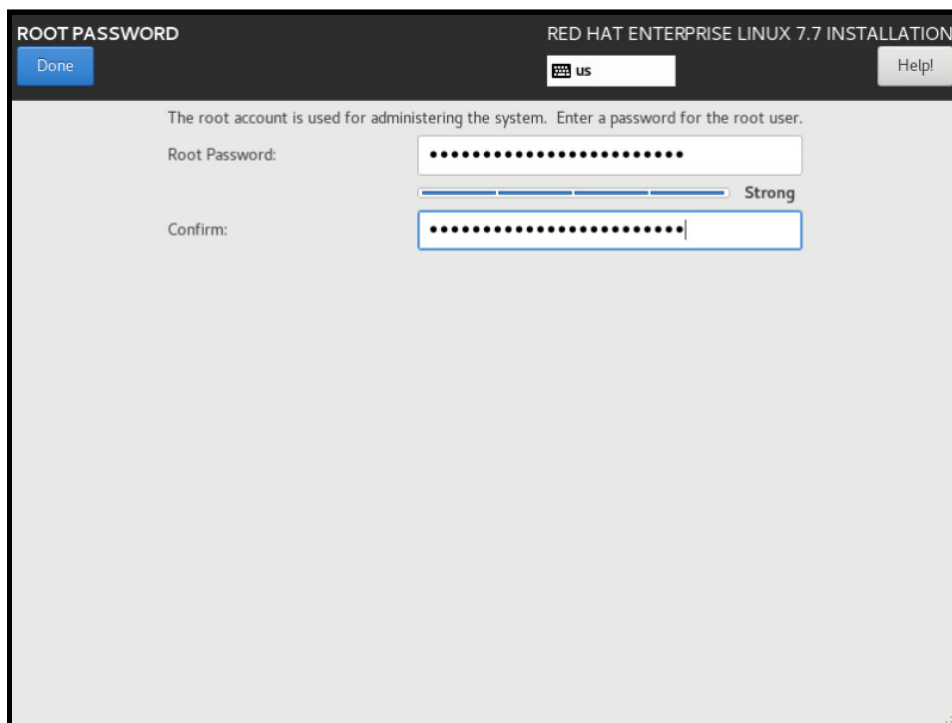


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Step 2. Once your point of view looks like the screenshot below, click “Root Password.”



Step 3. Type a strong password in the “Root Password” and “Confirm” fields. Click “Done” and wait for the computer to restart.



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Step 4. Type “root” and press “Enter”. Type the password you configured and press “Enter.” Type “./firstRun.sh” and press “Enter.”

```
You are accessing a U.S. Government (USG) Information System (IS) that is
provided for USG-authorized use only. By using this IS (which includes any
device attached to this IS), you consent to the following conditions:

-The USG routinely intercepts and monitors communications on this IS for
purposes including, but not limited to, penetration testing, COMSEC monitoring,
network operations and defense, personnel misconduct (PM), law enforcement
(LE), and counterintelligence (CI) investigations.

-At any time, the USG may inspect and seize data stored on this IS.

-Communications using, or data stored on, this IS are not private, are subject
to routine monitoring, interception, and search, and may be disclosed or used
for any USG-authorized purpose.

-This IS includes security measures (e.g., authentication and access controls)
to protect USG interests--not for your personal benefit or privacy.

-Notwithstanding the above, using this IS does not constitute consent to PM, LE
or CI investigative searching or monitoring of the content of privileged
communications, or work product, related to personal representation or services
by attorneys, psychotherapists, or clergy, and their assistants. Such
communications and work product are private and confidential. See User
Agreement for details.

localhost login: root
Password:

ACAS Setup has not been completed!
You must run ./firstRun.sh to complete configuration.

root@localhost ~]# ./firstRun.sh
Preparing... ##### [100%]
Updating / installing...
 1:acas_configure-20.06-1 ##### [100%]
Installation Complete.
Preparing... ##### [100%]
Updating / installing...
 1:sshpas-1.06-2.el7 ##### [ 20%]
 2:python2-jmespath-0.9.0-6.el7_7 ##### [ 40%]
 3:python-passlib-1.6.5-2.el7 ##### [ 60%]
 4:python-httplib2-0.9.2-1.el7 ##### [ 80%]
 5:ansible-2.4.2.0-2.el7 ##### ( 69%)
```

Step 5. Press “Enter.”

```
-----! ACAS Kickstart Setup !-----
WELCOME to the ACAS Kickstart initial setup script.

This script will guide you through the initial configuration
needed to complete your set up of Red Hat 6. On reboot these
scripts can be re-run at a later date using the setup.sh script
found in /opt/acas.

Navigation around the menu boxes is done using your <arrow keys>.

Selecting options in a checklists is best done using the
<space-bar>.

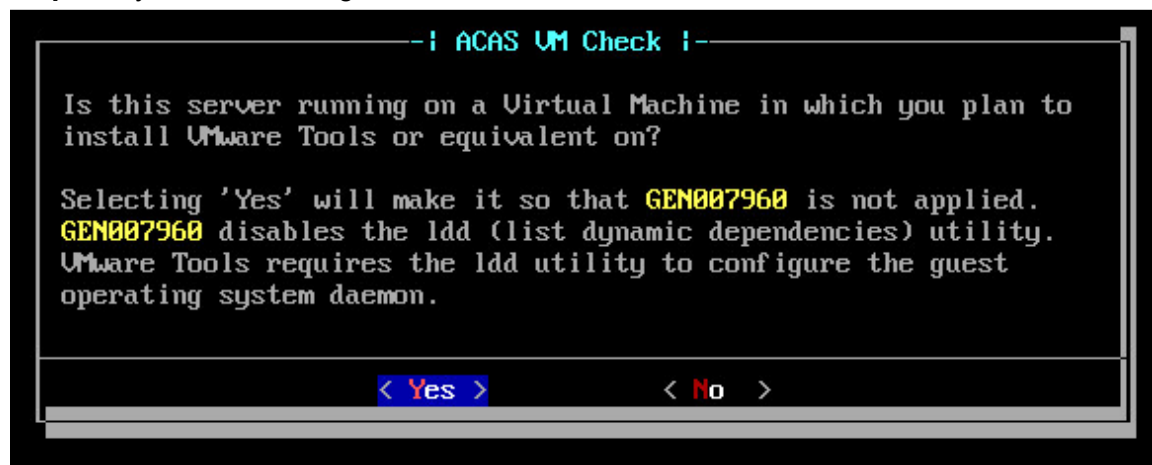
Selecting options highlighted in blue is best done with <enter>.

Hit enter now to continue.

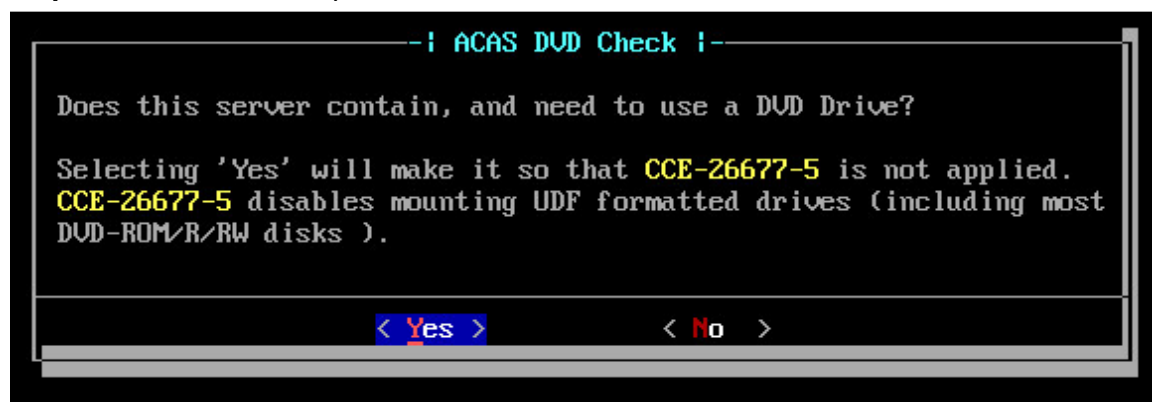
<Continue>
```

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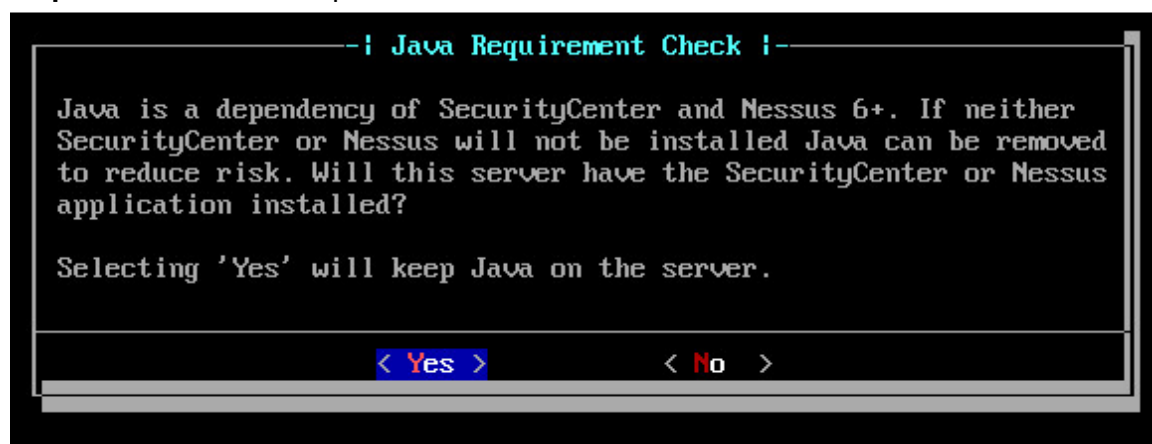
Step 6. If you are installing RHEL on a Virtual Machine, select “Yes” otherwise select “No.”



Step 7. Select “Yes” and press “Enter.”

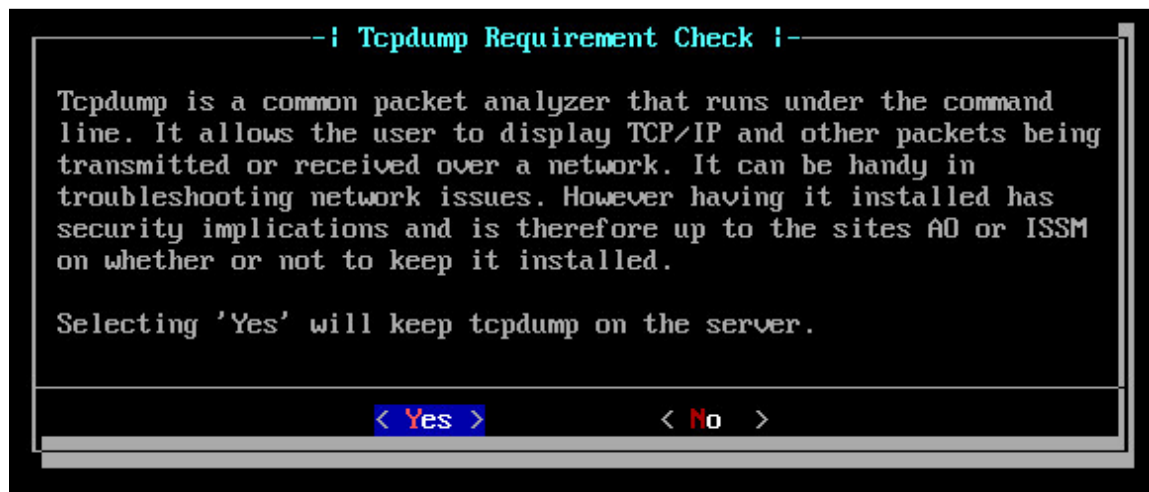


Step 8. Select “Yes” and press “Enter.”

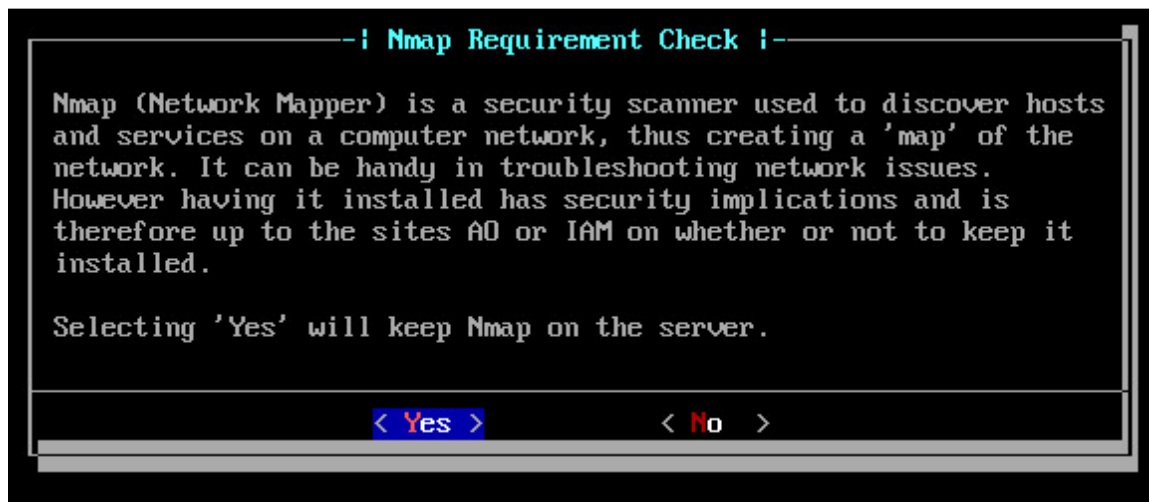


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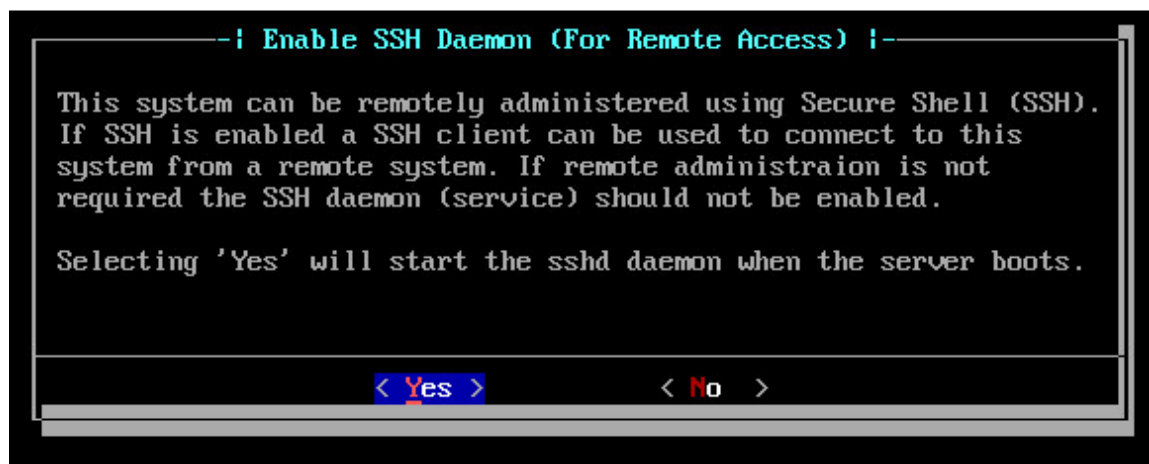
Step 9. Select “Yes” and press “Enter.”



Step 10. Select “Yes” and press “Enter.”



Step 11. Select “Yes” and press “Enter.”

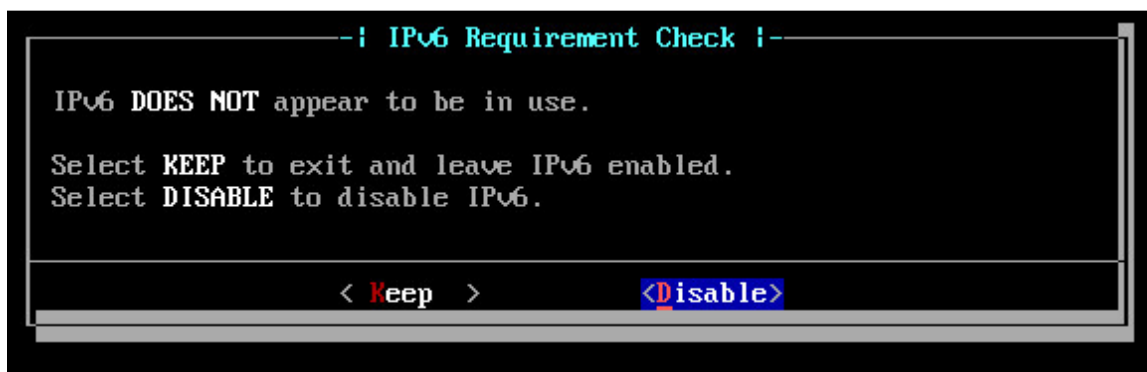


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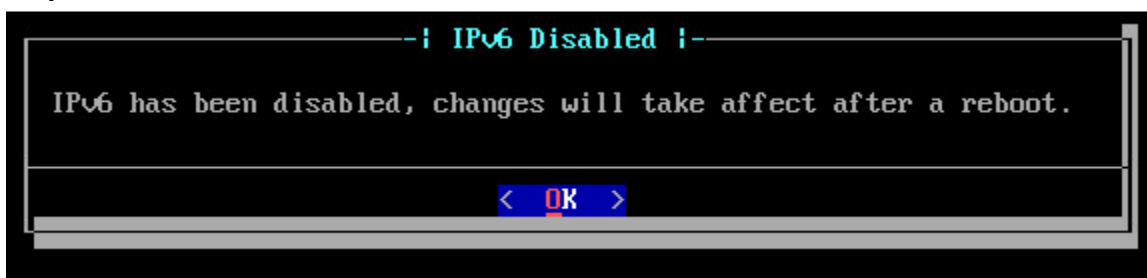
Step 12. Press “Enter.”



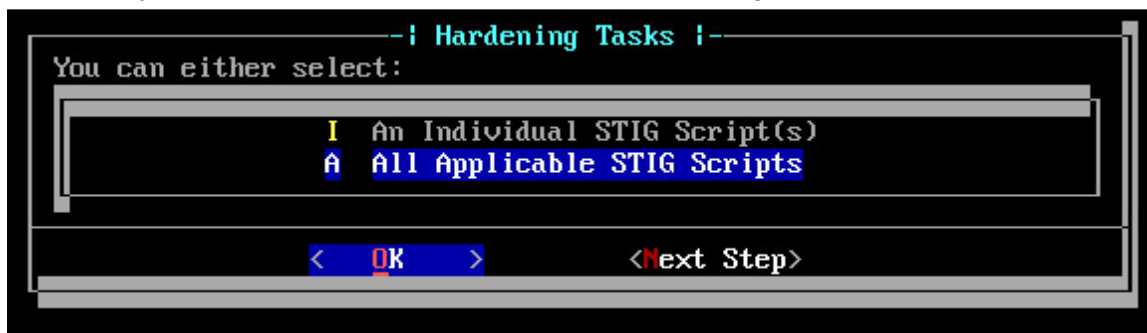
Step 13. Select “Disable” and press “Enter.”



Step 14. Press “Enter.”

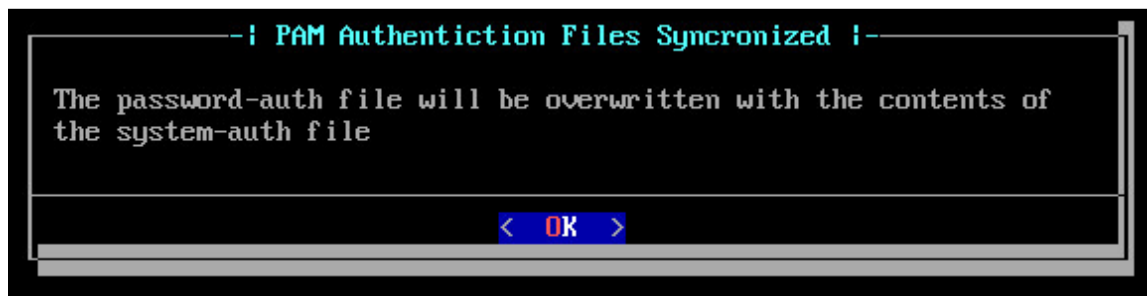


Step 15. Type “a” and press “Enter.” Wait for the hardening tasks to finish.

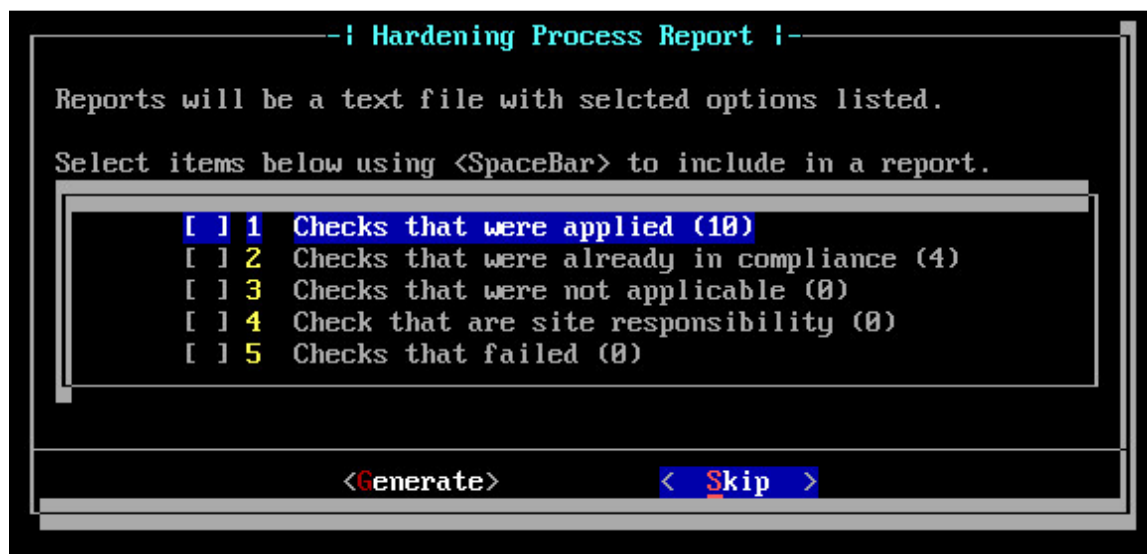


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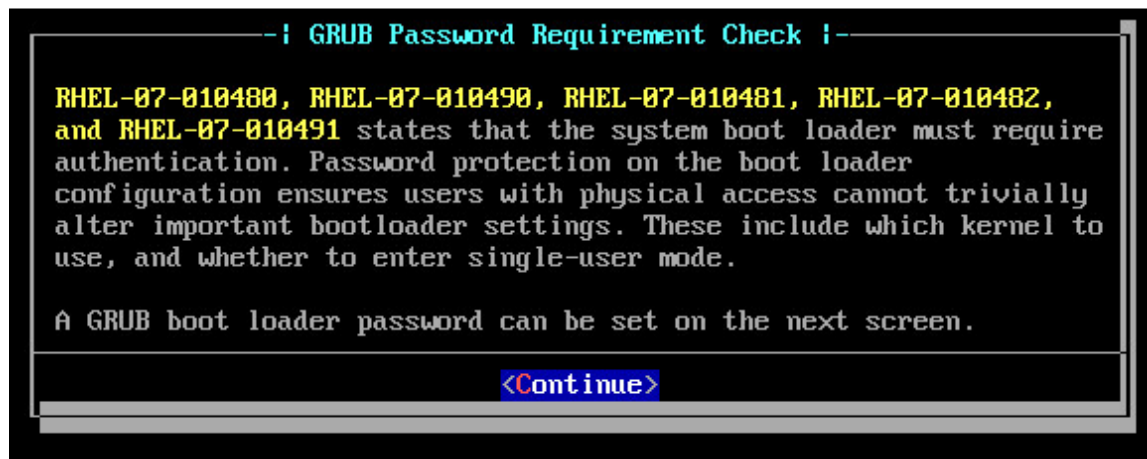
Step 16. Press "Enter."



Step 17. Select "Skip" and press "Enter."

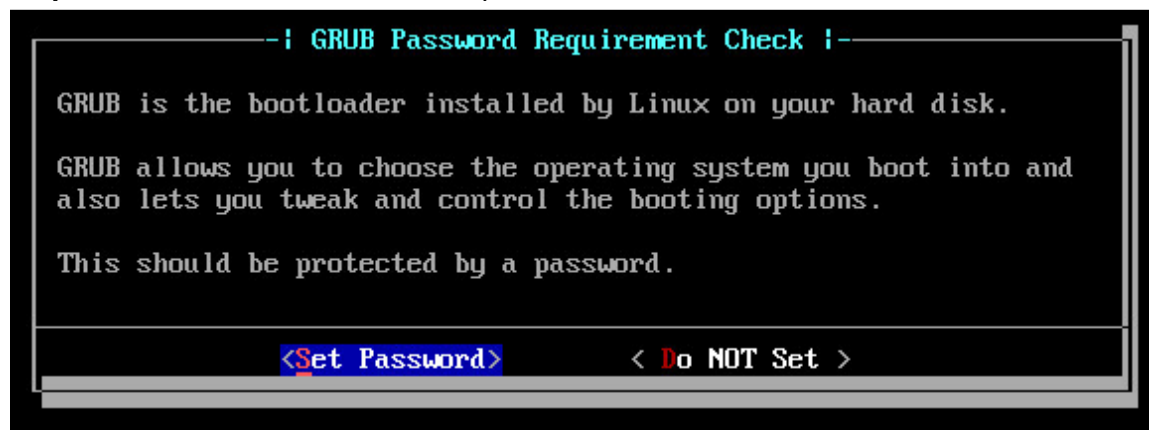


Step 18. Press "Enter."

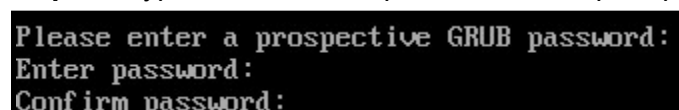


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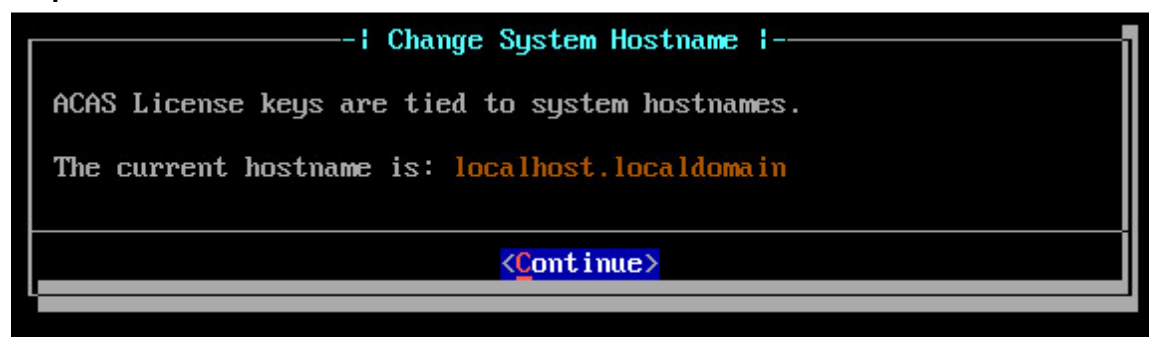
Step 19. Select “Set Password” and press “Enter.”



Step 20. Type and confirm a password when prompted.



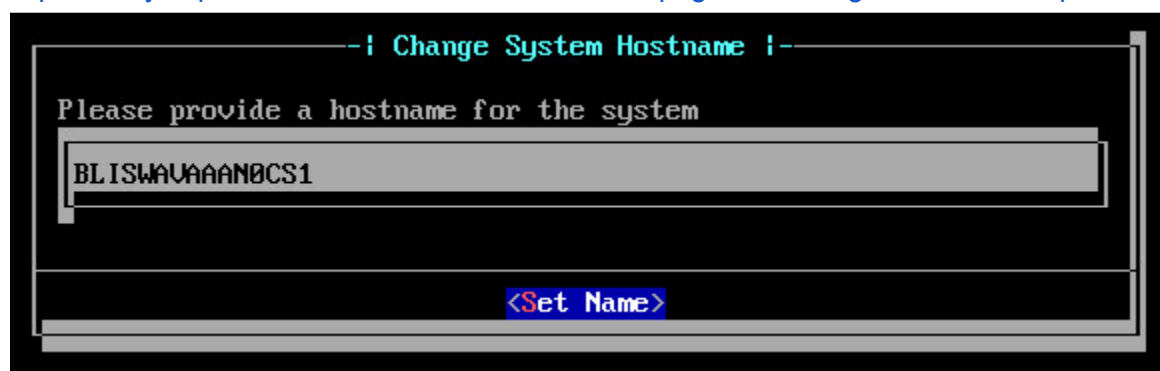
Step 21. Press “Enter.”



Step 22. Type a hostname and press “Enter.” NOTE: if you plan to use this instance of RHEL for Tenable.sc (ACAS), the hostname must match what you declared in your license request.

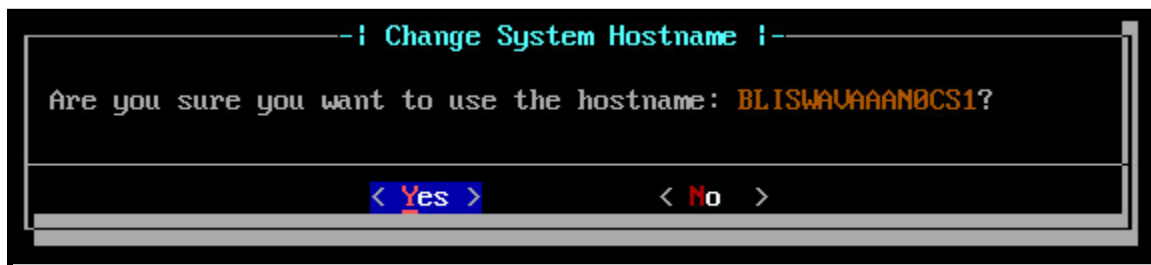
Naming convention information for the Department of the Army can be found here:

<https://army.deps.mil/netcom/sites/resourcecenter/pages/cinamingconventions.aspx>

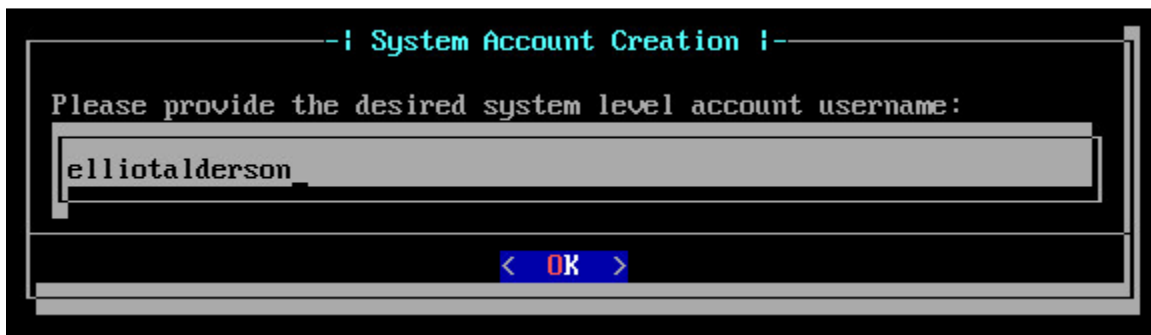


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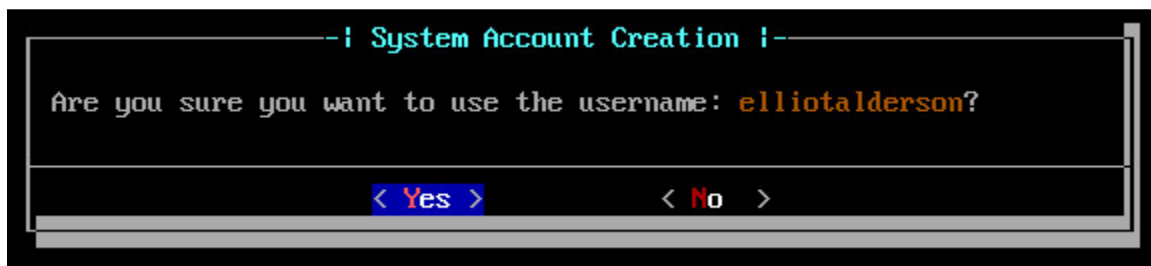
Step 23. Select “Yes” and press “Enter.”



Step 24. Type a username for the person who will administer this instance of RHEL and press “Enter.”



Step 25. Select “Yes” and press “Enter.”



Step 26. Type a password for the person who will administer this instance of RHEL and press “Enter.”

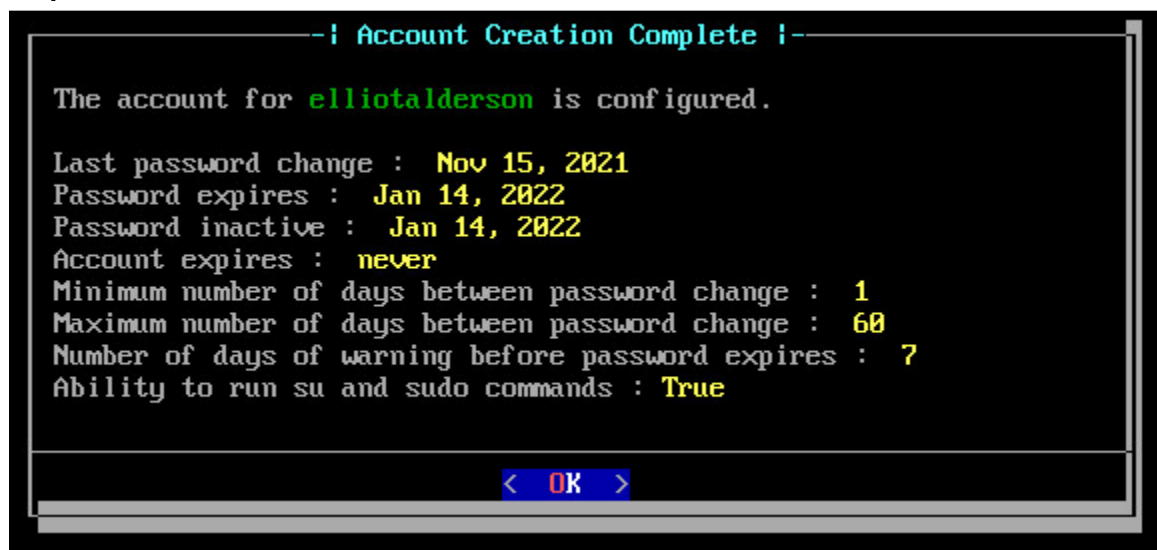


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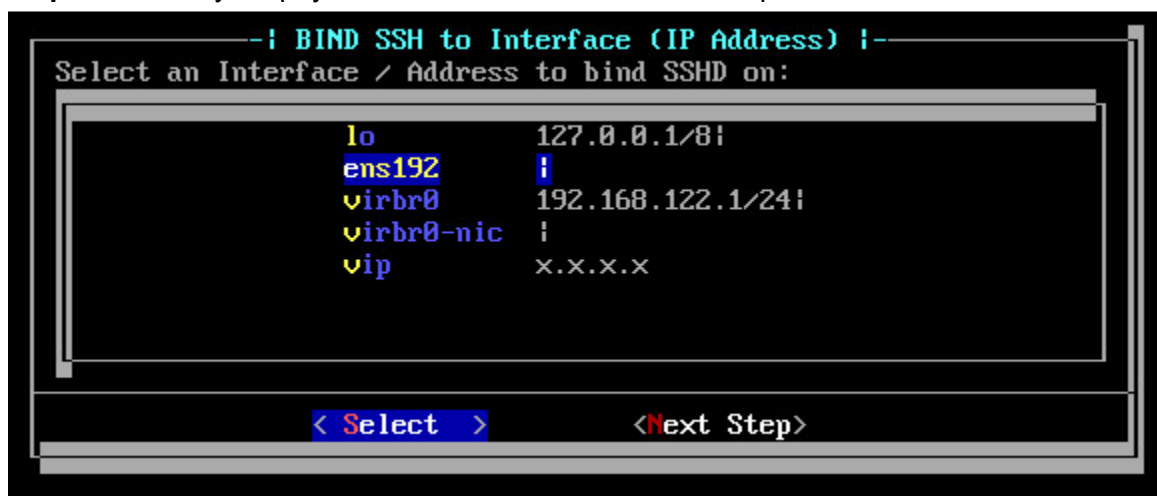
Step 27. Type the same password again to confirm it and press “Enter.”



Step 28. Press “Enter.”

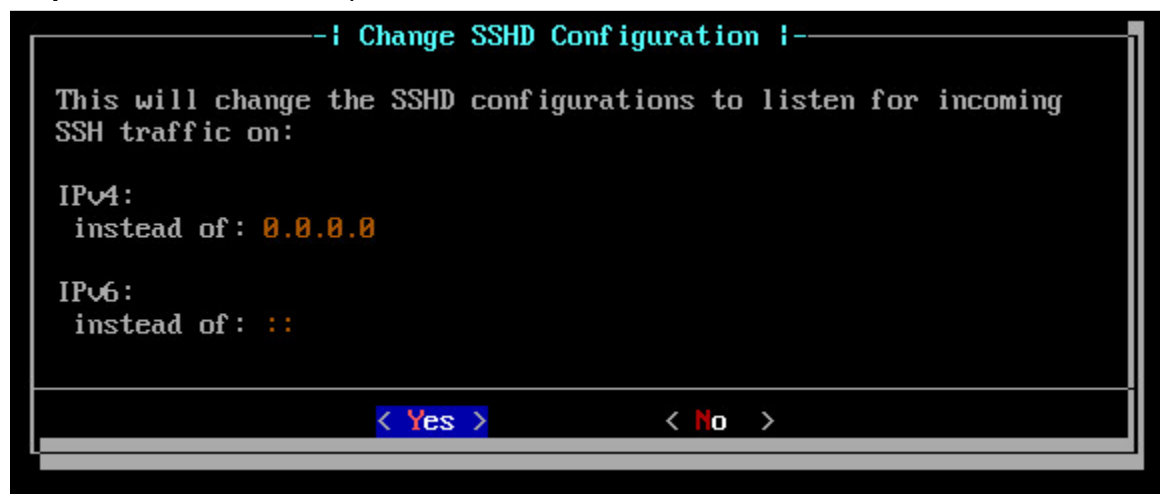


Step 29. Select your physical Network Interface Card and press “Enter.”

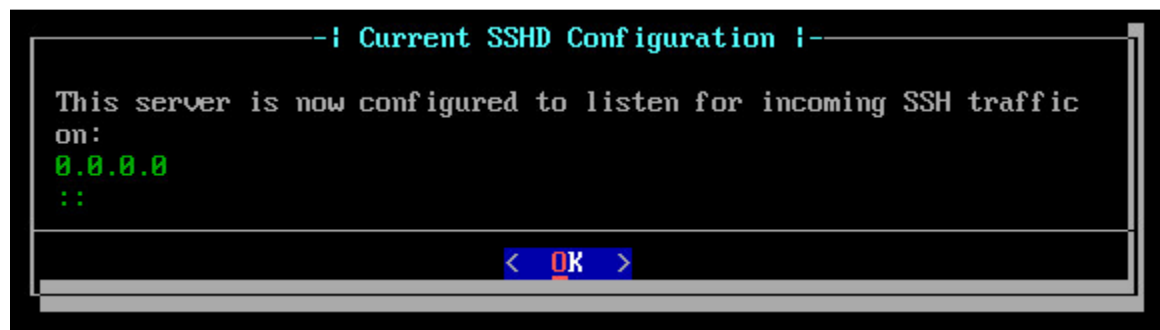


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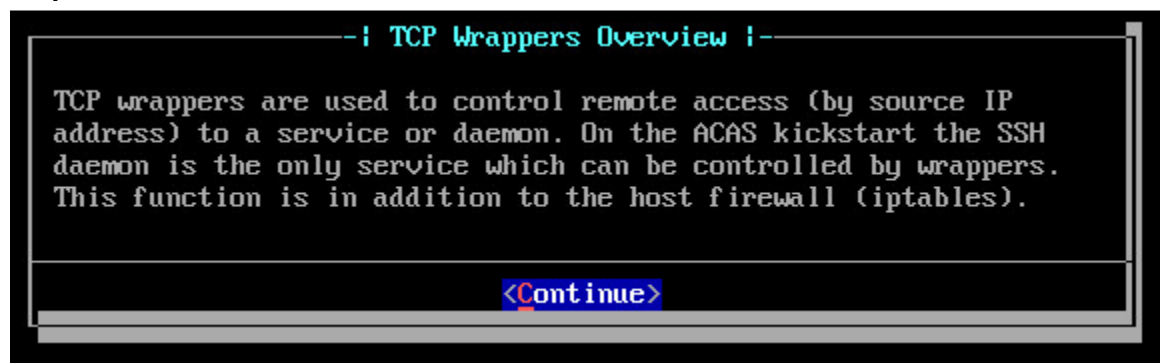
Step 30. Select “Yes” and press “Enter.”



Step 31. Press “Enter.”

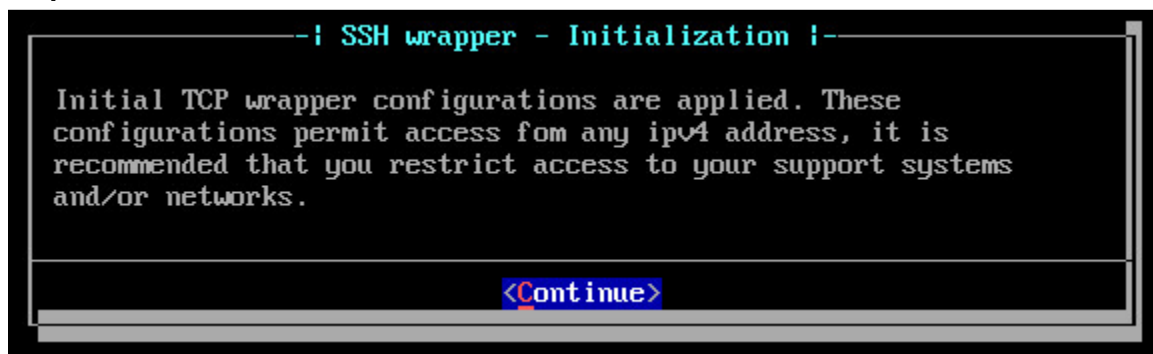


Step 32. Press “Enter.”

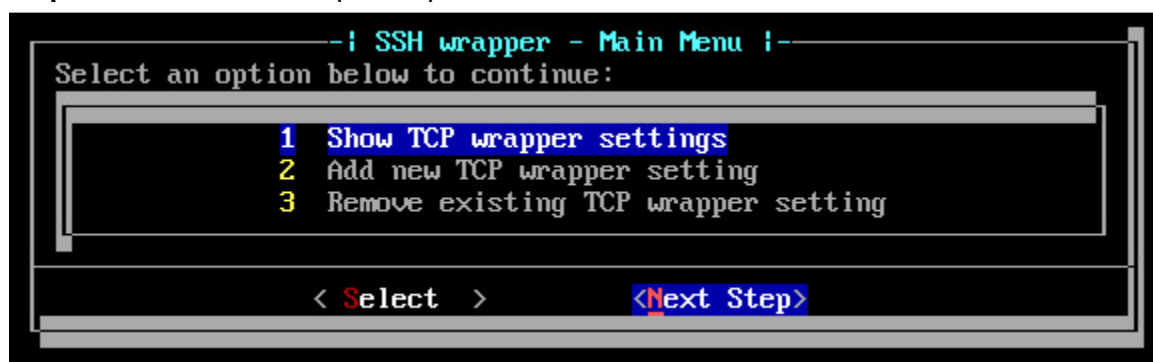


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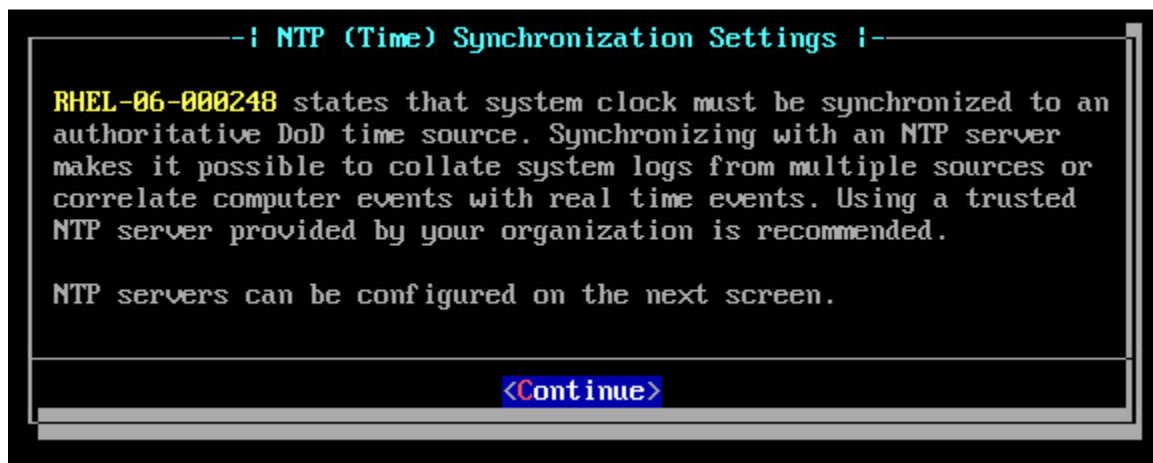
Step 33. Press "Enter."



Step 34. Select "Next Step" and press "Enter."

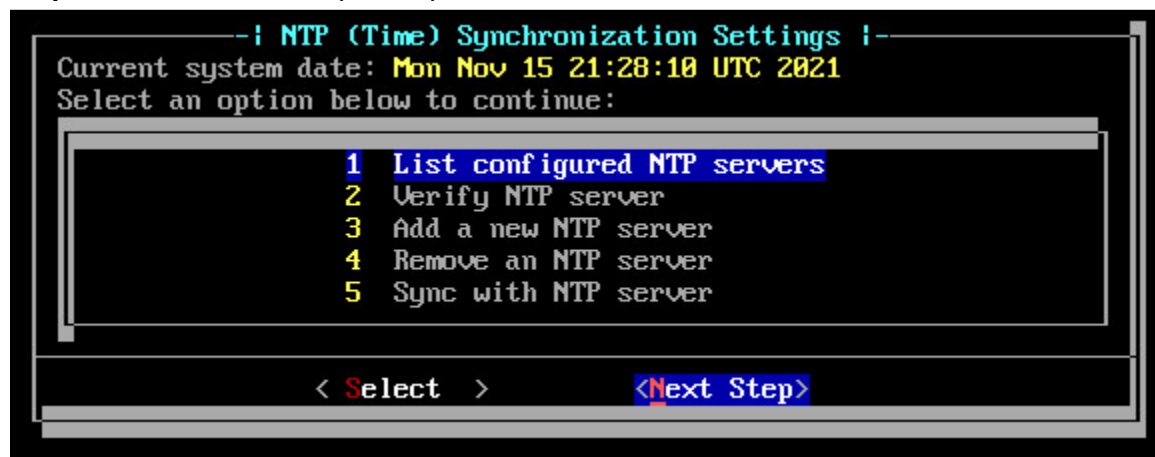


Step 35. Press "Enter."

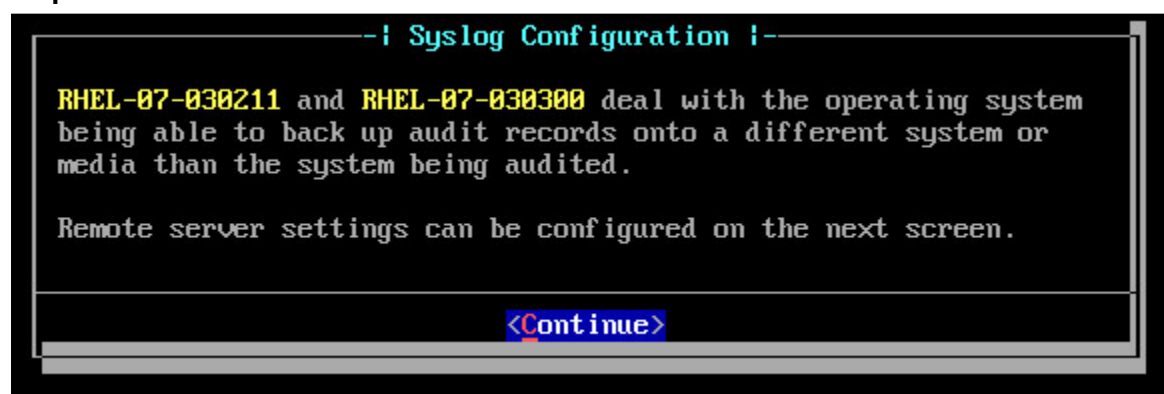


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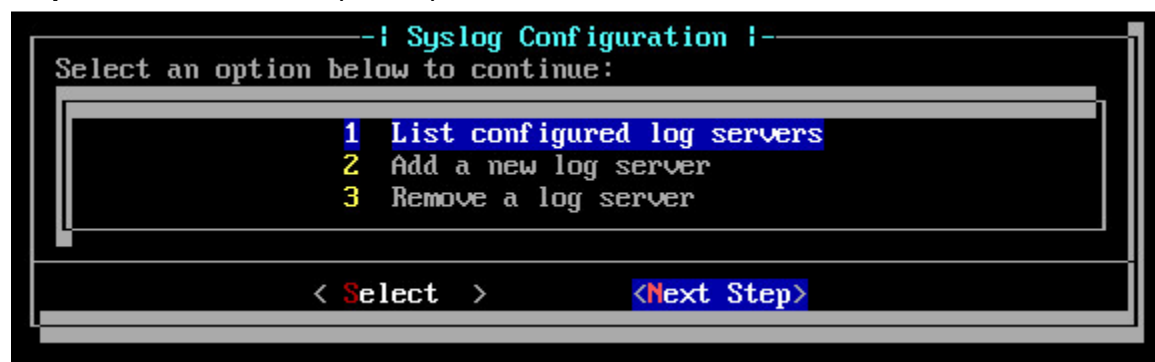
Step 36. Select "Next Step" and press "Enter."



Step 37. Press "Enter."

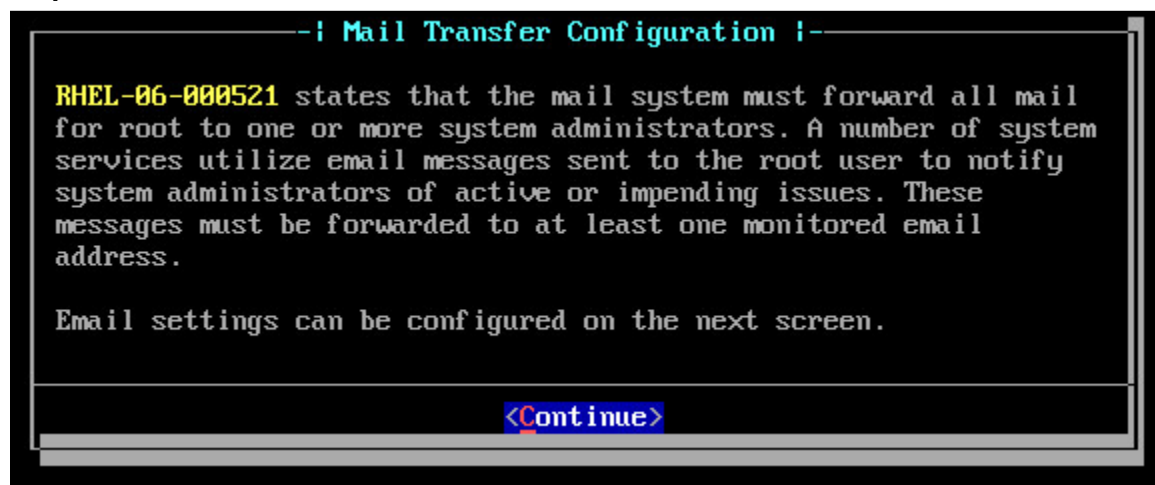


Step 38. Select "Next Step" and press "Enter."

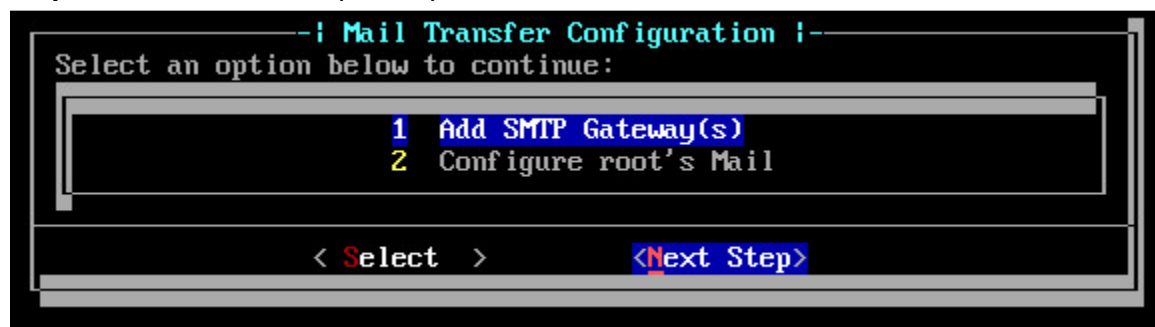


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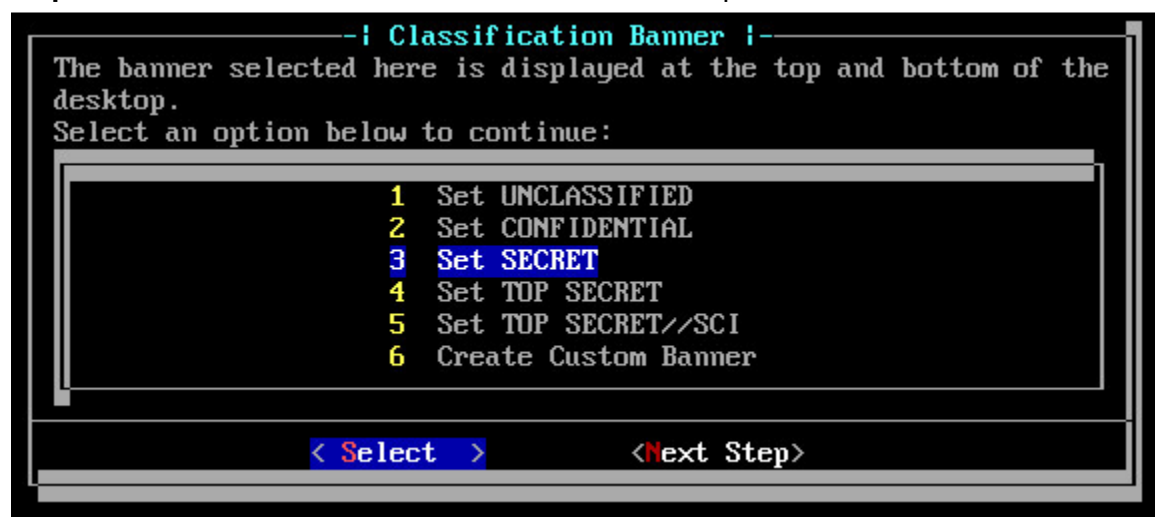
Step 39. Press “Enter.”



Step 40. Select “Next Step” and press “Enter.”

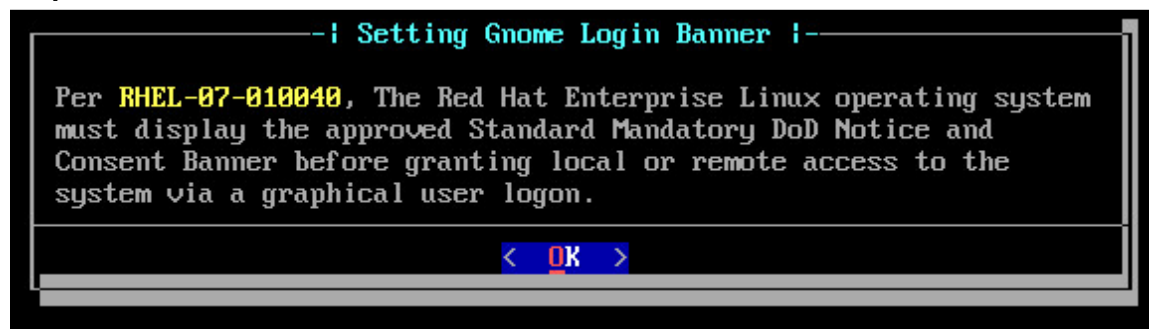


Step 41. Select the correct “Classification Banner” and press “Enter.”



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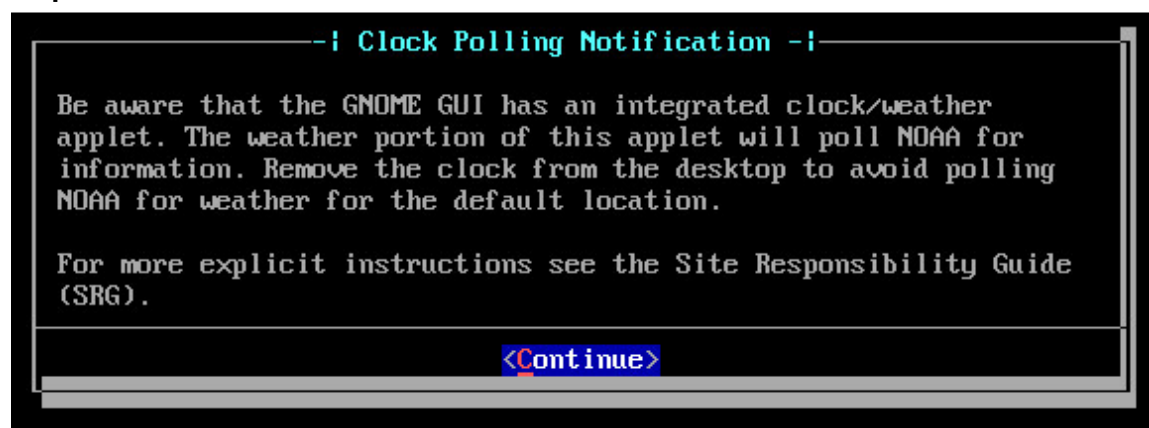
Step 42. Press "Enter."



Step 43. Press "Enter."

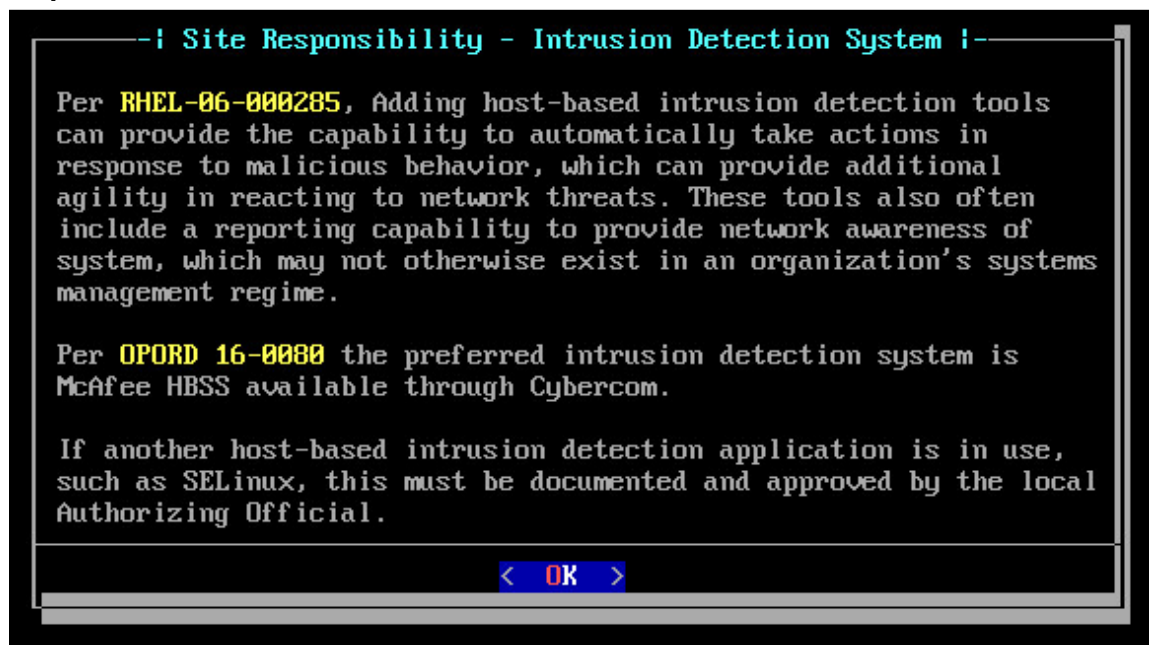


Step 44. Press "Enter."

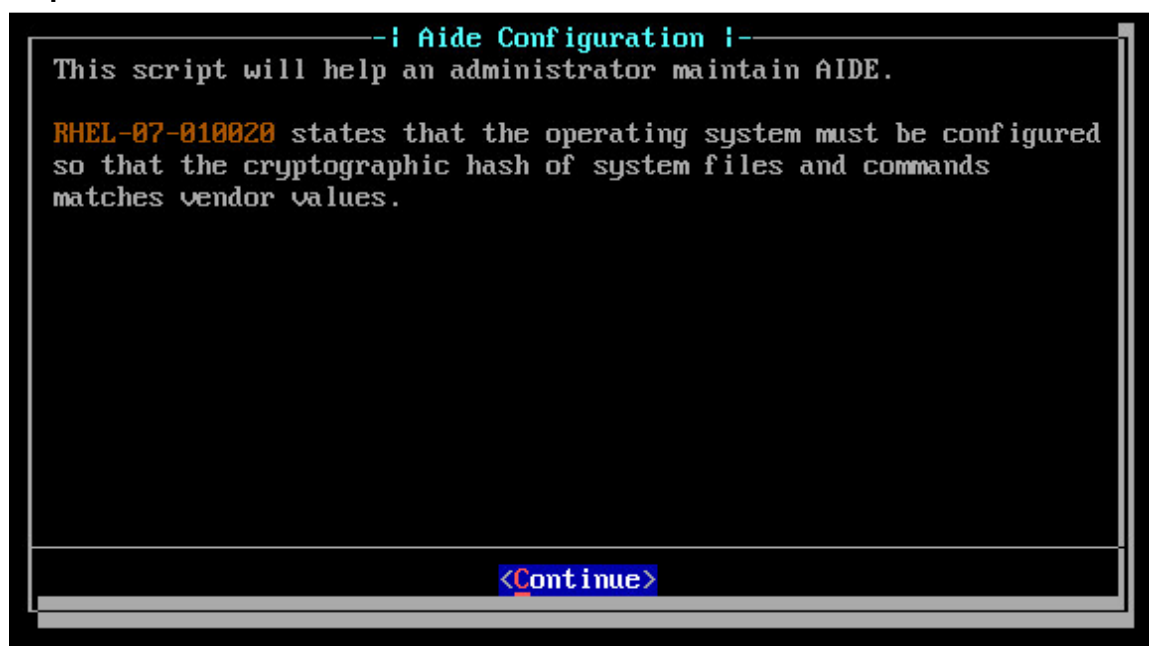


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Step 45. Press "Enter."

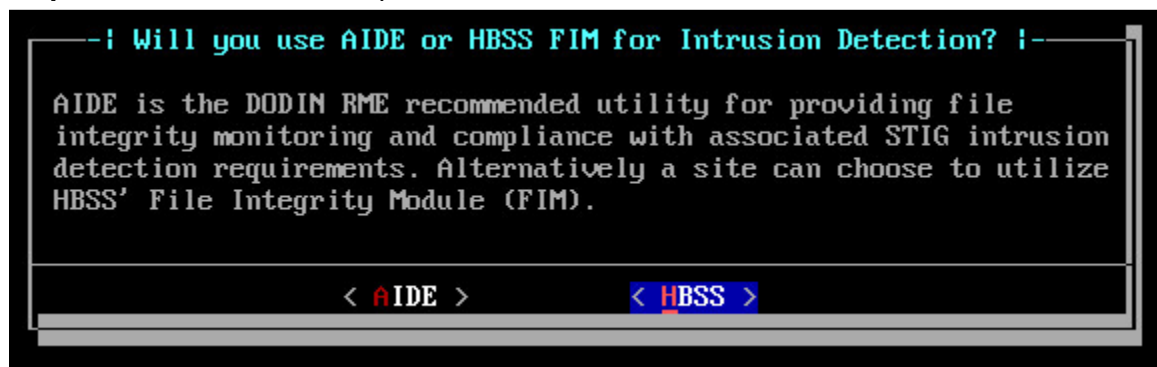


Step 46. Press "Enter."



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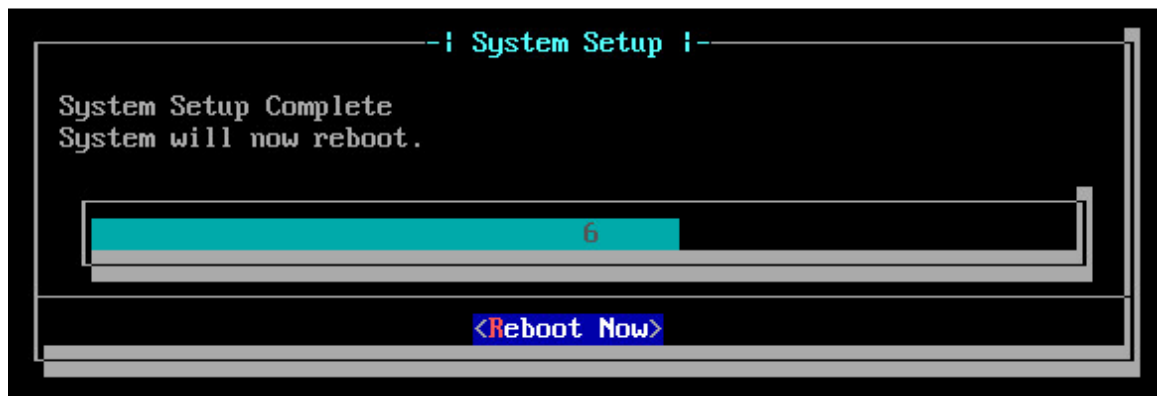
Step 47. Select "HBSS" and press "Enter."



Step 48. Press "Enter."

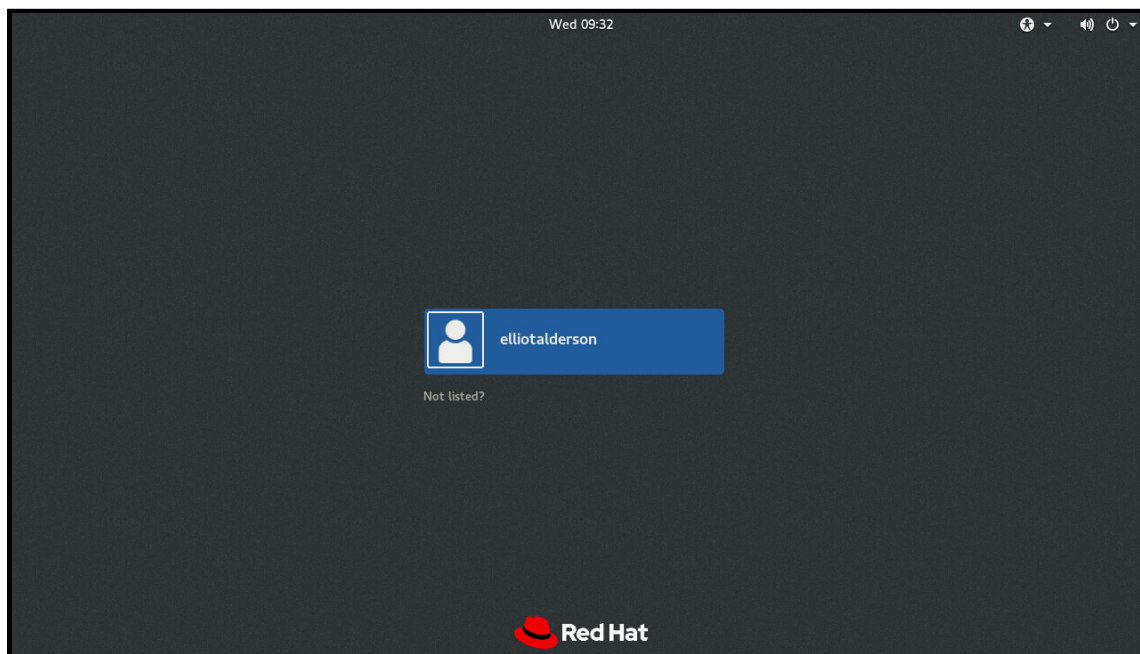


Step 49. Press "Enter" and wait for the computer to reboot.



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Step 50. Once the computer reboots, your point of view should look like the screenshot below.



Helpful Links

Department of the Army Naming Conventions

<https://army.deps.mil/netcom/sites/resourcecenter/pages/cinamingconventions.aspx>

Defense Information Systems Agency (DISA) Assured Compliance Assessment Solution (ACAS) License Request Portal

<https://disa.deps.mil/ext/cop/mae/netops/acas/Requests/index.aspx#/>

Department of Defense Patch Repository

<https://patches.csd.disa.mil/>