

Red Hat Lab – Chapter 14

Use Red Hat Lab Environment to complete the lab. Issue the following commands immediately before step 1:

```
history -c  
history -w
```

These commands should be repeated for each user@machine prompt. See boxes below.

Paste a screenshot in the box below of the command output from the command below. Include the command itself in the **lab grade software-review**

Issue the command `history` after the last step for each user@machine prompt. Paste a screenshot of each history in the proper box below. Include the command itself and the full history of commands.

student@serverb

root@serverb

Lab Manual

Use the VirtualBox RHELv9 virtual machine for this lab. Do not use the Red Hat Lab Environment. Issue the following commands in the Terminal window before starting the lab on the next page:

```
history -c  
history -w
```

Repeat these commands for root@RHELv8 if necessary.

Paste the results of the history command in the box at the end of the lab.

Lab 21: RHEL Repositories

1. Go to the Red Hat Developer's Network at <https://developers.redhat.com>.
2. Create an account and login.
3. Locate the free developer's edition of RHELv9. It is not necessary to download it but be aware of its existence.
4. Register your system using a command line utility.
5. List available subscriptions.
6. Attach the subscription.
7. Confirm the subscription.
8. List available repositories.
9. List additional repositories.
10. Enable one of the repositories.
11. List available packages.
12. Add the EPEL repository to RHELv8.

Lab 22: RPM Package Management

1. Using the rpm command, display the first ten installed software packages.
2. Display details about the setup software package.
3. View the scripts included in the setup package.
4. View the documentation included in the setup package.
5. Display the status of the first ten package files.
6. Retrieve http://mirror.RHELv8.org/RHELv8/7/os/x86_64/Packages/wireshark-1.10.14-16.el7_0.x86_64.rpm (If this version of WireShark is not available, find another version to retrieve)
7. Determine what the WireShark package requires for it to work correctly.
8. Try to install the WireShark package using the rpm command. It should fail due to dependencies it requires.
9. Install the Wireshark package using the CLI with a command that will resolve the dependencies required automatically.
10. Verify Wireshark has been installed by running tshark at a command line.
11. Now remove Wireshark using the same command.
12. Display the RHELv9 release version.
13. Install the Extra Packages for Enterprise Linux (EPEL) repository.
14. Import the GPG key.
15. Verify the EPEL repository has been installed.

Lab 23: Debian Package Management

Use **Ubuntu** for this exercise.

1. View the `/etc/apt/sources.list` file to see some of the repositories.
2. Install the aptitude package using `apt-get`.
3. Install the xfsdump package.
4. Update the list of repositories available.
5. Install the updated versions of all available packages (this may take as long as an hour to complete).
6. Remove the wget package.
7. Reinstall the wget package.
8. Search for packages related to “apt” to install.
9. View the dependencies of the aptitude package.
10. View the details of the aptitude package.
11. Install nmap using the Ubuntu Software Center.
12. Remove the nmap package and all related configuration files using `apt-get`.
13. Install the nmap package using `apt-get`.
14. List all packages currently installed on the system that match `apt*`
15. Display the contents of the nmap package using `dpkg`.
16. Display the status of the nmap package.