

Red Hat Lab – Chapter 9

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 screenshot:

lab grade services-review

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

student@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 14: Systemd and Runlevels

1. List the contents of the directory /etc. The existence of a subdirectory called systemd will indicate that RHEL uses Systemd to manage services.
2. Check the status of the sshd service.
3. Stop the sshd service.
4. Check its status.
5. Start the sshd service.
6. Check its status.
7. Restart the sshd service.
8. Check its status.
9. Display the details of the sshd service. The output tells whether the service is currently running, if it will start automatically when the machine boots, and so forth.
10. Prevent the sshd service from automatically starting when the machine boots.
11. View the new status of the sshd service.
12. Configure the sshd service to automatically start when the machine boots.
13. View the new status of the sshd service.
14. Display a listing of all sysunits that are on the system.
15. Restrict the display of all units to just the services on the system.
16. Display the services that failed to start when your machine booted.
17. Display the log file for systemctl.
18. Display only log messages from the last boot.
19. Display only log messages about the sshd unit.
20. List all currently loaded targets.
21. List all active and inactive units.
22. List all installed unit files.
23. Display the default target or runlevel.
24. Change the default target to the equivalent of runlevel 3 (command line only).
25. Change the default target back to the equivalent of runlevel 5 (graphical user interface).
26. Change the current target to the equivalent of runlevel 3.
27. Change the current target to the equivalent of runlevel 5.
28. Change to emergency mode. Type Ctrl-D on reboot to bypass emergency mode.
29. Reboot your VM normally using a command from the Terminal window.

