**Chapter 6 GUIDED EXERCISE**

**Managing Local Users Accounts**

In this exercise, you will create several users on your system and set passwords for those users.

**OUTCOMES**

You should be able to configure a Linux system with additional user accounts.

**BEFORE YOU BEGIN**

Log in to workstation as student using student as the password.

On workstation, run **lab users-manage start** to start the exercise. This script ensures that the environment is set up correctly.

[student@workstation ~]$ **lab users-manage start**

**1.** From workstation, open an SSH session to servera as student.

[student@workstation ~]$ **ssh student@servera**

*...output omitted...*

[student@servera ~]$

**2.** On servera, switch to root using **sudo**, converting to the root user's shell environment.

[student@servera ~]$ **sudo su -**

[sudo] password for student: **student**

[root@servera ~]#

**3.** Create the operator1 user and confirm that it exists in the system.

[root@servera ~]# **useradd operator1**

[root@servera ~]# **tail /etc/passwd**

*...output omitted...*

operator1:x:1001:1001::/home/operator1:/bin/bash

**4.** Set the password for operator1 to **redhat**.

[root@servera ~]# **passwd operator1**

Changing password for user operator1.

New password: **redhat**

BAD PASSWORD: The password is shorter than 8 characters

Retype new password: **redhat**

passwd: all authentication tokens updated successfully.

**5.** Create the additional users called operator2 and operator3. Set their passwords to **redhat**.

5.1. Add the operator2 user. Set the password for operator2 to **redhat**.

[root@servera ~]# **useradd operator2**

[root@servera ~]# **passwd operator2**

Changing password for user operator2.

New password: **redhat**

BAD PASSWORD: The password is shorter than 8 characters

Retype new password: **redhat**

passwd: all authentication tokens updated successfully.

5.2. Add the operator3 user. Set the password for operator3 to **redhat**.

[root@servera ~]# **useradd operator3**

[root@servera ~]# **passwd operator3**

Changing password for user operator3.

New password: **redhat**

BAD PASSWORD: The password is shorter than 8 characters

Retype new password: **redhat**

passwd: all authentication tokens updated successfully.

**6.** Update the operator1 and operator2 user accounts to include the **Operator One** and **Operator Two** comments, respectively. Verify that the comments are successfully added.

6.1. Run **usermod -c** to update the comments of the operator1 user account.

[root@servera ~]# **usermod -c "Operator One" operator1**

6.2. Run **usermod -c** to update the comments of the operator2 user account.

[root@servera ~]# **usermod -c "Operator Two" operator2**

6.3. Confirm that the comments for each of the operator1 and operator2 users are reflected in the user records.

[root@servera ~]# **tail /etc/passwd**

*...output omitted...*

operator1:x:1001:1001:Operator One:/home/operator1:/bin/bash

operator2:x:1002:1002:Operator Two:/home/operator2:/bin/bash

operator3:x:1003:1003::/home/operator3:/bin/bash

**7.** Delete the operator3 user along with any personal data of the user. Confirm that the user

is successfully deleted.

7.1. Remove the operator3 user from the system.

[root@servera ~]# **userdel -r operator3**

7.2. Confirm that operator3 is successfully deleted.

[root@servera ~]# **tail /etc/passwd**

*...output omitted...*

operator1:x:1001:1001:Operator One:/home/operator1:/bin/bash

operator2:x:1002:1002:Operator Two:/home/operator2:/bin/bash

Notice that the preceding output does not display the user account information of

operator3.

7.3. Exit the root user's shell to return to the student user's shell.

[root@servera ~]# **exit**

logout

[student@servera ~]$

7.4. Log off from servera.

[student@servera ~]$ **exit**

logout

Connection to servera closed.

[student@workstation ~]$

**8. Evaluation**

On workstation, run the **lab users-manage grade** script to complete this exercise.

[student@workstation ~]$ **lab users-manage grade**

**9. Finish**

On workstation, run **lab users-manage finish** to complete this exercise. This script ensures that the environment is clean.

[student@workstation ~]$ **lab users-manage finish**

This concludes the guided exercise.