**Exercise: The 'MySQL\_User' Module**

1. Verify that your ansible installation is available by displaying the version of ansible while logged in as the 'user' user.

[test@tcox3 ~]$ ansible --version

ansible 1.9.2

  configured module search path = None

2. Run the ansible command that lists all of the hosts configured in your control server 'hosts' file for the system.

[test@tcox3 ~]$ ansible all --list-hosts

    tcox5.mylabserver.com

    localhost

    tcox4.mylabserver.com

3. Create a playbook, using the 'mysql\_user' module that accomplishes the following:

- Uses SSH

- Logs in to the remote system as 'test' user

- Connects to one server or group from Step #2 above

- The playbook runs as 'sudo'

- Skip gathering remote facts

- Install the required MySQL Python Support Libraries (if needed)

- Using the appropriate system credentials, create a new user called 'bob', give that user access to ALL databases and tables with ALL privileges EXCEPT Grant

[test@tcox3 Playbooks]$ vim mysqluser.yml

[test@tcox3 Playbooks]$ cat mysqluser.yml

--- # MYSQL\_USER MODULE DEMO

- hosts: appserver

  user: test

  sudo: yes

  connection: ssh

  gather\_facts: yes

  tasks:

  - name: Install the MySQL Python Support Library

    yum: pkg=MySQL-python state=latest

  - name: Create a new user called BOB and give him all access

    mysql\_user: name=bob password=123password priv=\*.\*:ALL state=present login\_user=root login\_password=password123

4. Run the playbook and display the results.

[test@tcox3 Playbooks]$ ansible-playbook mysqluser.yml

PLAY [appserver] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

GATHERING FACTS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com]

TASK: [Install the MySQL Python Support Library] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com]

TASK: [Create a new user called BOB and give him all access] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [tcox5.mylabserver.com]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

tcox5.mylabserver.com      : ok=3    changed=1    unreachable=0    failed=0

[test@tcox5 ~]$ mysql -u bob -p

Enter password:

Welcome to the MariaDB monitor.  Commands end with ; or \g.

Your MariaDB connection id is 5

Server version: 5.5.44-MariaDB MariaDB Server

Copyright (c) 2000, 2015, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;

+--------------------+

| Database           |

+--------------------+

| information\_schema |

| MyDBTest           |

| MyNewDB            |

| mysql              |

| performance\_schema |

+--------------------+

5 rows in set (0.00 sec)