**Exercise: The 'MySQL\_DB' 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\_db' 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 database called MyNewDB

[test@tcox3 Playbooks]$ vim mysqldb.yml

[test@tcox3 Playbooks]$ cat mysqldb.yml

--- # MYSQL\_DB MODULE DEMO

- hosts: appserver

  user: test

  sudo: yes

  connection: ssh

  gather\_facts: yes

  tasks:

  - name: Install the Python MySQL Support Libraries

    yum: pkg=MySQL-python state=latest

  - name: Create a New Test DB called MyNewDB

    mysql\_db: name=MyNewDB state=present login\_user=root login\_password=password123

4. Run the playbook and display the results.

[test@tcox3 Playbooks]$ vim mysqldb.yml

[test@tcox3 Playbooks]$ cat mysqldb.yml

--- # MYSQL\_DB MODULE DEMO

- hosts: appserver

  user: test

  sudo: yes

  connection: ssh

  gather\_facts: yes

  tasks:

  - name: Install the Python MySQL Support Libraries

    yum: pkg=MySQL-python state=latest

  - name: Create a New Test DB called MyNewDB

    mysql\_db: name=MyDBTest state=present login\_user=root login\_password=password123

[test@tcox3 Playbooks]$ vim mysqldb.yml

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

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

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

ok: [tcox5.mylabserver.com]

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

ok: [tcox5.mylabserver.com]

TASK: [Create a New Test DB called MyNewDB] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [tcox5.mylabserver.com]

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

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

MariaDB [(none)]> show databases;

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

| Database           |

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

| information\_schema |

| MyDBTest           |

| MyNewDB            |

| mysql              |

| performance\_schema |

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

5 rows in set (0.00 sec)