Lesson 9 Demo 3: MySql Using Ansible

This section will guide you to:

* Set up MySql using Ansible

This lab has one subsection, namely:

1. Establish connectivity between controller and node machine
2. Write Ansible YAML script to install ansible software
3. Execute Ansible YAML script

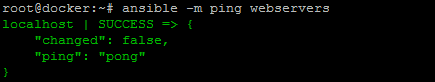
**Note:**

* *Ansible 2.9 is already installed in your lab. You can check it using* ***ansible --version*** *command*
* *Make sure you have completed the previous demo before this.*

**Step 1:** Establish connectivity between Ansible controller and the node machine

* Validate Ansible connectivity with web servers host group by executing the below command:

**ansible -m ping webservers**



**Step 2:** Write Ansible YAML script to install Ansible software

* Execute the below command to write **mysql.yaml** file:

**sudo vi mysql.yaml**

* Add the following in the file.

**---**

**- hosts: webservers**

**become: true**

**tasks:**

**- name: Install MySQL**

**action: apt pkg={{ item }} state=present**

**with\_items:**

**- libmysqlclient-dev**

**- python-mysqldb**

**- mysql-server**

**- mysql-client**

**- name: Start the MySQL service**

**action: service name=mysql state=started**

**- name: Remove the test database**

**mysql\_db: name=test state=absent**

**- name: Create deploy user for mysql**

**mysql\_user: user=”deploy” host=”%” password=password priv=\*.\*:ALL,GRANT**

**- name: Ensure anonymous users are not in the database**

**mysql\_user: user=’’ host={{ item }} state=absent**

**with\_items:**

**- 127.0.0.1**

**- ::1**

**- localhost**

**- name: Update mysql root password for all root accounts**

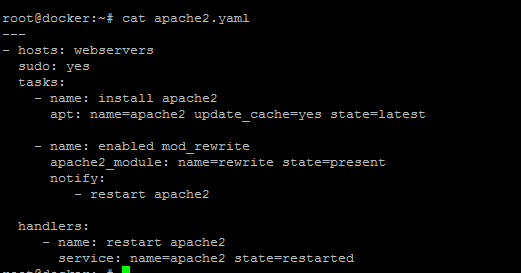
**mysql\_user: name=root host={{ item }} password=password**

**with\_items:**

**- 127.0.0.1**

**- ::1**

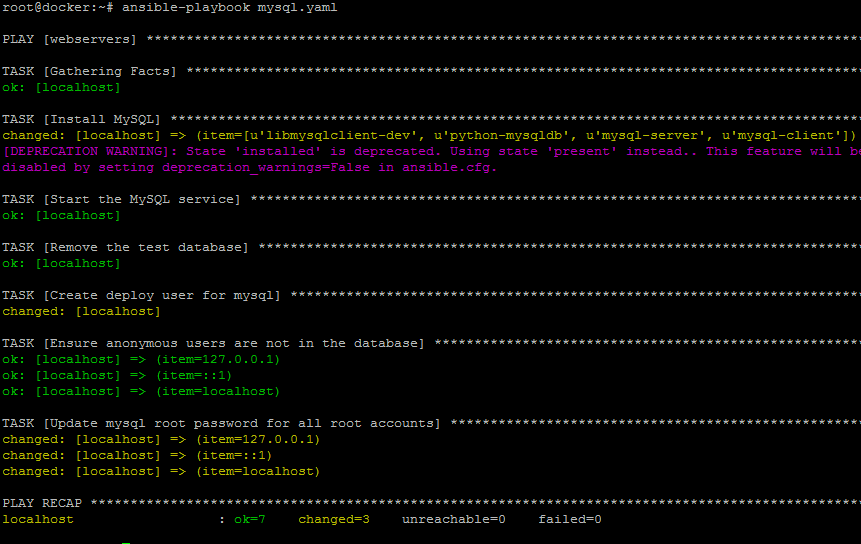
**- localhost**



**Step 3:** Execute Ansible YAML script

* Run mysql.yaml file using below command:

**ansible-playbook mysql.yaml**



* Validate the installation using command:

**ansible -m shell -a "service mysql status" webservers**

