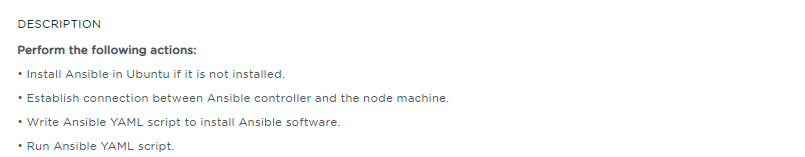
**Setup MYSQL Database Using Ansible – Practice Assessment**



# Overview

This section will guide you to Setup MYSQL database using Ansible

This lab has four sub-sections:

* Install Ansible in Ubuntu
* Establish connectivity between Ansible controller and node machine
* Write Ansible YAML script to install MYSQL database service
* Run Ansible YAML script

# Install Ansible on Ubuntu

Use the below commands on Ubuntu system to install Ansible software.

|  |
| --- |
| sudo apt-get install software-properties-common  sudo apt-add-repository ppa:ansible/ansible  sudo apt-get update  sudo apt-get install ansible |

Establish SSH key pair in linux system to have SSH connectivity with localhost using the following commands:

|  |
| --- |
| ssh-keygen –t rsa  cat .ssh/id\_rsa.pub >> .ssh/authorized\_keys  ssh localhost «date» |

Now, add the host “localhost” in Ansible host file /etc/ansible/hosts.

|  |
| --- |
| sudo vi/etc/ansible/hosts |

When the file opens, add the following contents and save it using:wq!

|  |
| --- |
| [dbservers]  localhost ansible\_ssh\_port 42006 |

Validate the saved file contents using the cat command

|  |
| --- |
| cat /etc/ansible/hosts |

# Establish connectivity between Ansible controller and node machine

Establish connectivity between Ansible controller and node machine, execute the below command to validate host inventory file.

|  |
| --- |
| ansible –m ping dbservers |

# Write Ansible YAML script to install MYSQL database service

Once connectivity is established, add the following code in the mysqldb.yml file and proceed with execution.

|  |
| --- |
| sudo vi mysqldb.yml |

# Run Ansible YAML script

Run mysqldb.yml file using below command:

|  |
| --- |
| ansible-playbook mysqldb.yml |

Validate installation using the command:

|  |
| --- |
| ansible –m shell –a «service mysql status» dbservers |

Check for the MySQL database service status

|  |
| --- |
| ansible –m shell –a «service mysql status» dbservers |

Check for the MySQL database connection

|  |
| --- |
| mysql –u root –p  EnterPassword: <Enter the password> |

# References

* Sources Reference document **- MySQL\_Database\_Using\_Ansible\_PracticeAssessment\_sources.docx**
* Screenshots Reference document - **MySQL\_Database\_Using\_Ansible\_PracticeAssessment\_screenshots.docx**