Configuration Management Using Ansible

Demo: Configuration of Ansible on EC2 windows.

Problem Statement:

Configuration of Ansible on windows.

Solution Steps:

1. Install ansible on control node(centos8)

➢ Install python3 on centos8 as shown below:

sudo dnf install python3

➢ Make python 3 the default by running below command.

sudo alternatives --set python /usr/bin/python3

➢ Verify the python version as shown below.

Module 4 – Ansible on Cloud

python --version

2. Configure Virtual environment for running Ansible.

sudo dnf install python3-virtualenv

➢ Create virtual workspace by running

virtualenv env

➢ Source it to activate.

source env/bin/activate

3. Install Ansible on Controller host.

Module 4 – Ansible on Cloud

➢ Install ansible as shown below using

pip install ansible.

➢ Check the ansible version after the installation using

ansible --version

and test

using ansible localhost -m ping

Module 4 – Ansible on Cloud

➢ Define windows hosts in ansible control node.

Vim /etc/ansible/hosts

➢ Hosts file look like below after the update.

[winhost]

192.168.0.14

[winhost:vars]

ansible\_user: IEUser

ansible\_password: Passw0rd

ansible\_connection:winrm

ansible\_winrm\_server\_cert\_validation=ignore

Module 4 – Ansible on Cloud

4. Install Pywinrm on Ansible control node.

➢ Install pywinrm as shown below.

➢ pip install pywinrm

5. Configuring Windows Host

Windows host system needs to fulfill the below requirements.

➢ Windows system should be windows 7 or later.

➢ .NET framework 4.0 later.

Module 4 – Ansible on Cloud

➢ Windows PowerShell version 3.0

6. Download the WinRM Script on Windows10 Host.

➢ WinRM can be installed using the script.

➢ Save the below script as ConfigureRemotingForAnsible.ps1 in the downloads or any

location.

powershellscript.txt

➢ Run the above downloaded WinRM script on windows 10 host as shown below using

administrator.

➢ Run the script .\ConfigureRemotingForAnsible.ps1 on windows host as shown

below.

Module 4 – Ansible on Cloud

7. Connecting to windows host from ansible node.

Test the connectivity to the windows host 10 by running below command.

ansible winhost -m win\_ping