



PARSHVANATH CHARITABLE TRUST'S

A. P. SHAH INSTITUTE OF TECHNOLOGY

Department of Information Technology

(NBA Accredited)



Semester: V

Academic Year: 2022-23

Class / Branch: TE IT

Subject: Recent Devops Lab

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EXPERIMENT NO. 12

Aim: To install and configure software configuration management using Ansible

Step 1:

```
root@apsit-hp-280-g2-mt-legacy: /etc/ansible/playbooks
ansible python module location = /usr/lib/python2.7/dist-packages/ansible
executable location = /usr/bin/ansible
python version = 2.7.12 (default, Mar 1 2021, 11:38:31) [GCC 5.4.0 20160609]
root@apsit-hp-280-g2-mt-legacy: /home/apsit# clear

root@apsit-hp-280-g2-mt-legacy: /home/apsit# cd /etc/ansible/
root@apsit-hp-280-g2-mt-legacy: /etc/ansible# ls
ansible.cfg  hosts  roles
root@apsit-hp-280-g2-mt-legacy: /etc/ansible# mkdir playbooks
root@apsit-hp-280-g2-mt-legacy: /etc/ansible# ls
ansible.cfg  hosts  playbooks  roles
root@apsit-hp-280-g2-mt-legacy: /etc/ansible# cd playbooks/
root@apsit-hp-280-g2-mt-legacy: /etc/ansible/playbooks# ls
playbook1.yml
root@apsit-hp-280-g2-mt-legacy: /etc/ansible/playbooks# ansible-playbook playbook1.yml
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'

PLAY [nginx install and start services] *****
skipping: no hosts matched

PLAY RECAP *****
root@apsit-hp-280-g2-mt-legacy: /etc/ansible/playbooks#
```



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Step 2:

```
root@apsit-hp-280-g2-mt-legacy: /etc/ansible/playbooks
ansible python module location = /usr/lib/python2.7/dist-packages/ansible
executable location = /usr/bin/ansible
python version = 2.7.12 (default, Mar 1 2021, 11:38:31) [GCC 5.4.0 20160609]
root@apsit-hp-280-g2-mt-legacy:/home/apsit# clear

root@apsit-hp-280-g2-mt-legacy:/home/apsit# cd /etc/ansible/
root@apsit-hp-280-g2-mt-legacy:/etc/ansible# ls
ansible.cfg  hosts  roles
root@apsit-hp-280-g2-mt-legacy:/etc/ansible# mkdir playbooks
root@apsit-hp-280-g2-mt-legacy:/etc/ansible# ls
ansible.cfg  hosts  playbooks  roles
root@apsit-hp-280-g2-mt-legacy:/etc/ansible# cd playbooks/
root@apsit-hp-280-g2-mt-legacy:/etc/ansible/playbooks# ls
playbook1.yml
root@apsit-hp-280-g2-mt-legacy:/etc/ansible/playbooks# ansible-playbook playbook1.yml
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'

PLAY [nginx install and start services] *****
skipping: no hosts matched

PLAY RECAP *****

root@apsit-hp-280-g2-mt-legacy:/etc/ansible/playbooks# cat playbook1.yml
- name: nginx install and start services
  hosts: all
  become: true

  tasks:
    - name: install nginx
      apt:
        name: nginx
        state: latest

    - name: start nginx
      service:
        name: nginx
        state: started
root@apsit-hp-280-g2-mt-legacy:/etc/ansible/playbooks# ps -ef | grep nginx
root      7870  6569  0 13:58 pts/2    00:00:00 grep --color=auto nginx
root@apsit-hp-280-g2-mt-legacy:/etc/ansible/playbooks#
```

Conclusion: We successfully installed and configure software configuration management using Ansible