



Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
(Religious Jain Minority)

Department of Information Technology

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Class / Branch: IT

Subject: DevOps Lab

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Experiment No. 12

Aim: To make use of Puppet and Ansible tools to implement software configuration management

Output:

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ ansible --version
ansible [core 2.15.5]
  config file = /etc/ansible/ansible.cfg
  configured module search path = ['/home/apsit/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  ansible collection location = /home/apsit/.ansible/collections:/usr/share/ansible/collections
  executable location = /usr/bin/ansible
  python version = 3.10.12 (main, Jun 11 2023, 05:26:28) [GCC 11.4.0] (/usr/bin/python3)
  jinja version = 3.0.3
  libyaml = True
```

```

root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc# ls | grep ans
ansible
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc# cd ansible/
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible# ls
ansible.cfg  hosts  playbook  roles
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible# mkdir playbook_Soham
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible# cd playbook_Soham/
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible/playbook_Soham# cd ..
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible# rm playbook_Soham/
rm: cannot remove 'playbook_Soham/': Is a directory
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible# rm playbook_Soham
rm: cannot remove 'playbook_Soham': Is a directory
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible# rm -r playbook_Soham
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible# ls
ansible.cfg  hosts  playbook  roles
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible# cd playbook/
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible/playbook# nano soham_playbook.yml

```

```

root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible/playbook# cat soham_playbook.yml
---
- hosts: localhost
  tasks:
    - name: "create a directory named Soham_ANSIBLE"
      file:
        path: /home/apsit/Soham_ANSIBLE
        state: directory

    # - name: "create a file on ANSIBLE directory"
    #   file:
    #     path: /home/apsit/ANSIBLE/fileansible.txt
    #     state: touch

```

```

root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible/playbook# ansible-playbook soham_playbook.yml
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'

PLAY [localhost] *****
TASK [Gathering Facts] *****
ok: [localhost]

TASK [create a directory named Soham_ANSIBLE] *****
changed: [localhost]

PLAY RECAP *****
localhost                : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/ansible/playbook# cd /home/apsit
root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/apsit# ls
48x      deb      Downloads  hello_world  Pictures      Sankalp  Soham      Videos
agent.jar  demo1    eclipse    main         Public        Sarvesh  Soham_ANSIBLE  'VirtualBox VMs'
A.V.-2022-23_S.E.-III-Mini-Project-1A Desktop  eclipse-workspace  Music       puppet6-release-bionic.deb  shruti    Sunit
build_hello_world Diagram1.dia.autosave  file1.txt      myscript.sh  riya         shrutiin  Templates
cacti-latest.tar.gz Documents  github        nginx-image  'rospl project'  snap      vedangl

root@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/apsit# ls | grep ANS
Soham_ANSIBLE

```

Conclusion : Thus in this experiment we have created a directory using ansible where ansible is an automation tool built in python.