

Experiment 12 : Create and Run Ansible PlayBooks

Steps :

1. Repeats the steps in Experiment 11 to create the initial setup.
2. Test adhoc commands

```
ubuntu@ip-172-31-95-18:~$ ansible upes --list-hosts

[INFO] Loading inventory file: /etc/ansible/hosts

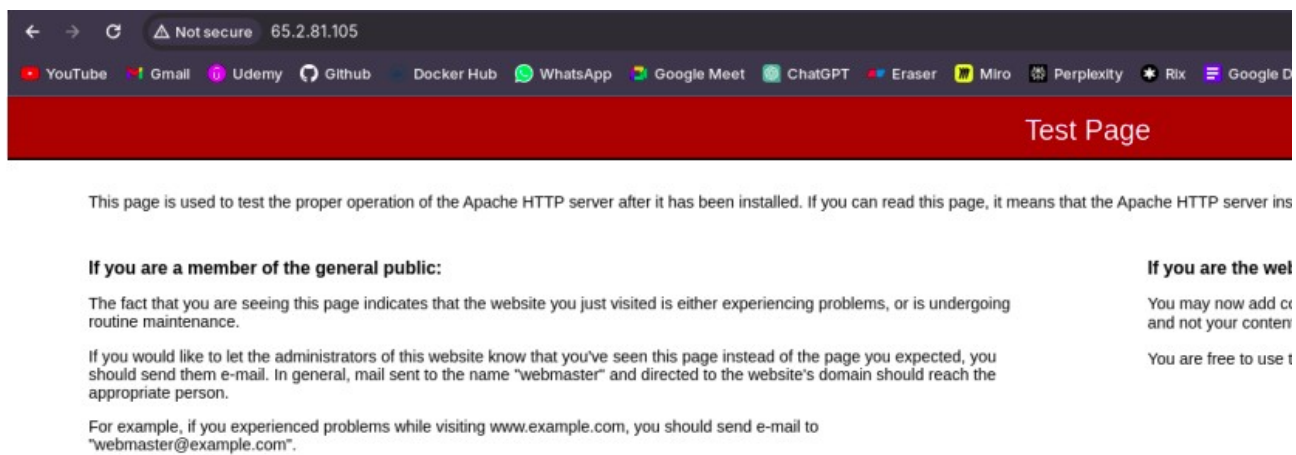
hosts (1):
    ansible_host=172.31.5.23
```

3. Install Apache server on node server using adhoc command.

```
ubuntu@ip-172-31-95-18:~$ ansible example-host -m yum -a "name=httpd state=latest"
example-host | SUCCESS => {
  "changed": true,
  "msg": "",
  "rc": 0,
  "results": [
    "Loaded plugins: extras_suggestions, langpacks, priorities, update-motd",
    "Resolving Dependencies",
    " --> Running transaction check",
    " ---> Package httpd.x86_64 0:2.4.6-97.el7.centos will be updated",
    " ---> Package httpd.x86_64 0:2.4.6-106.el7.centos will be an update",
    "...",
    "Installed:",
    " httpd.x86_64 0:2.4.6-106.el7.centos",
    "Dependency Installed:",
    " apr.x86_64 0:1.4.8-7.el7",
    "...",
    "Complete!"
  ]
}
```

4. start service using ansible.

```
ubuntu@ip-172-31-95-18:~$ ansible example-host -m service -a "name=httpd state=started"
example-host | SUCCESS => {
  "changed": true,
  "name": "httpd",
  "state": "started"
}
```



5. Remove apache server and then reinstall using playbook

```
ubuntu@ip-172-31-95-18:~$ ansible-playbook apache_setup.yml

PLAY [example-host] *****

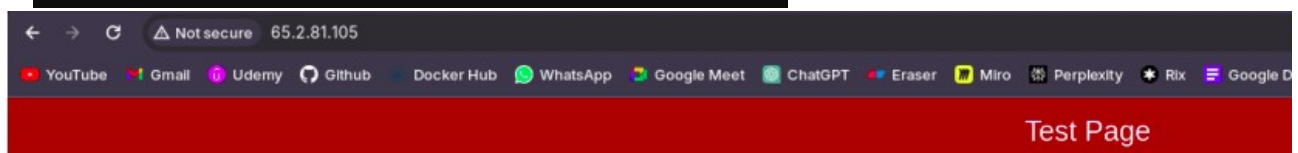
TASK [Removing Apache server] *****
changed: [example-host]

TASK [Installing Apache server] *****
changed: [example-host]

PLAY RECAP *****
example-host      : ok=2    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

```
- name: Apache Setup
  hosts: example-host
  tasks:
    - name: Removing Apache server
      package:
        name: httpd
        state: absent

    - name: Installing Apache server
      package:
        name: httpd
        state: present
```



This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server is

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If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".

If you are the webmaster:

You may now add content and not your content.

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