



PARSHVANATH CHARITABLE TRUST'S  
**A. P. SHAH INSTITUTE OF TECHNOLOGY**

Department of Information Technology

(NBA Accredited)



## Department of Information Technology

Academic Year: 2025-26

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Subject: DevOps Lab

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## Experiment No. 11

```
root@ip-172-31-2-28:~/.ssh# cd
root@ip-172-31-2-28:~# ls
snap
root@ip-172-31-2-28:~# mkdir ansible-lab
root@ip-172-31-2-28:~# cd ansible-lab/
root@ip-172-31-2-28:~/ansible-lab# git clone https://github.com/Pritesh-30/ansible-codes.git
Cloning into 'ansible-codes'...
remote: Enumerating objects: 29, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (11/11), done.
Receiving objects: 100% (29/29), 10.39 KiB | 3.46 MiB/s, done.
Resolving deltas: 100% (10/10), done.
remote: Total 29 (delta 5), reused 4 (delta 1), pack-reused 17 (from 1)
root@ip-172-31-2-28:~/ansible-lab# ls
ansible-codes
root@ip-172-31-2-28:~/ansible-lab# cd ansible-codes/
root@ip-172-31-2-28:~/ansible-lab/ansible-codes# ls
config.php      index.html      login.php      mysqlmodule.yml  register.php      users.sql
deploywebsite.yml  lampstack_1.yml  logout.php     readme.txt       reset-password.php  welcome.php
root@ip-172-31-2-28:~/ansible-lab/ansible-codes# nano lampstack_1.yml
```

```
root@ip-172-31-2-28:~/ansible-lab# cd ansible-codes/
root@ip-172-31-2-28:~/ansible-lab/ansible-codes# ls
config.php      index.html      login.php      mysqlmodule.yml  register.php      users.sql
deploywebsite.yml  lampstack_1.yml  logout.php     readme.txt       reset-password.php  welcome.php
root@ip-172-31-2-28:~/ansible-lab/ansible-codes# nano lampstack_1.yml
root@ip-172-31-2-28:~/ansible-lab/ansible-codes# ansible-playbook lampstack_1.yml

PLAY [client_1] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.2.226 is using the discovered Python interpreter at /usr/bin/python3.12, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.18/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.2.226]

TASK [install lamp stack] *****
changed: [172.31.2.226]

TASK [start apache service] *****
ok: [172.31.2.226]

TASK [start mysql service] *****
ok: [172.31.2.226]

TASK [create target directory] *****
ok: [172.31.2.226]

TASK [deploy index.html] *****
changed: [172.31.2.226]

PLAY RECAP *****
172.31.2.226      : ok=6   changed=2   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0

root@ip-172-31-2-28:~/ansible-lab/ansible-codes#
```

```
root@ip-172-31-2-226:~/.ssh# php --version
PHP 8.3.6 (cli) (built: Jul 14 2025 18:30:55) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.3.6, Copyright (c) Zend Technologies
with Zend OPcache v8.3.6, Copyright (c), by Zend Technologies
root@ip-172-31-2-226:~/.ssh# service apache2 status
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Fri 2025-10-03 04:02:55 UTC; 1min 37s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 11681 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 11685 (apache2)
       Tasks: 6 (limit: 1008)
      Memory: 10.8M (peak: 11.4M)
         CPU: 59ms
    CGroup: /system.slice/apache2.service
            └─11685 /usr/sbin/apache2 -k start
              └─11688 /usr/sbin/apache2 -k start
                └─11689 /usr/sbin/apache2 -k start
                  └─11690 /usr/sbin/apache2 -k start
                    └─11691 /usr/sbin/apache2 -k start
                      └─11692 /usr/sbin/apache2 -k start

Oct 03 04:02:55 ip-172-31-2-226 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Oct 03 04:02:55 ip-172-31-2-226 systemd[1]: Started apache2.service - The Apache HTTP Server.
root@ip-172-31-2-226:~/.ssh#
```

## Welcome to Ansible Playbook Session by Pritesh Shetty

Deploy a web application by provisioning LampStack

**Conclusion: In the experiment, successfully implemented provisioning lamp stack on ubuntu machine using ansible playbook.**