



Placement Empowerment Program
Cloud Computing and DevOps Centre

100 Days of DevOps Challenge

Day 19 : Install and Configure Web Application

Name: Nevesh Gokul M J

Department: CSE



Install and Configure Web Application

Objective :

Prepare App Server 2 to host two static websites (“blog” and “demo”) on Apache, accessible at:

- <http://localhost:6300/blog/>
- <http://localhost:6300/demo/>

Steps Performed :

1. Install Apache (httpd) on App Server 2 :

- `sudo yum install -y httpd`

2. Configure Apache to Listen on Port 6300 :

- Edit `/etc/httpd/conf/httpd.conf` and set: **Listen 6300**

3. Copy Website Files from Jump Host to App Server 2 :

On the jump_host, run:

- `scp -r /home/thor/blog steve@stapp02.stratos.xfusioncorp.com:/tmp/`
- `scp -r /home/thor/demosteve@stapp02.stratos.xfusioncorp.com:/tmp/`

On App Server 2, move files:

- `sudo mv /tmp/blog /var/www/html/blog`
- `sudo mv /tmp/demo /var/www/html/demo`

4. Set Directory Permissions :

```
sudo chown -R apache:apache /var/www/html/blog  
/var/www/html/demo
```

```
sudo chmod -R 755 /var/www/html/blog /var/www/html/demo
```

5. Configure Apache Aliases (if needed) :

Add to `/etc/httpd/conf.d/sites.conf`:

```
Alias /blog /var/www/html/blog
```

```
Alias /demo /var/www/html/demo
```

```
<Directory /var/www/html/blog>
```

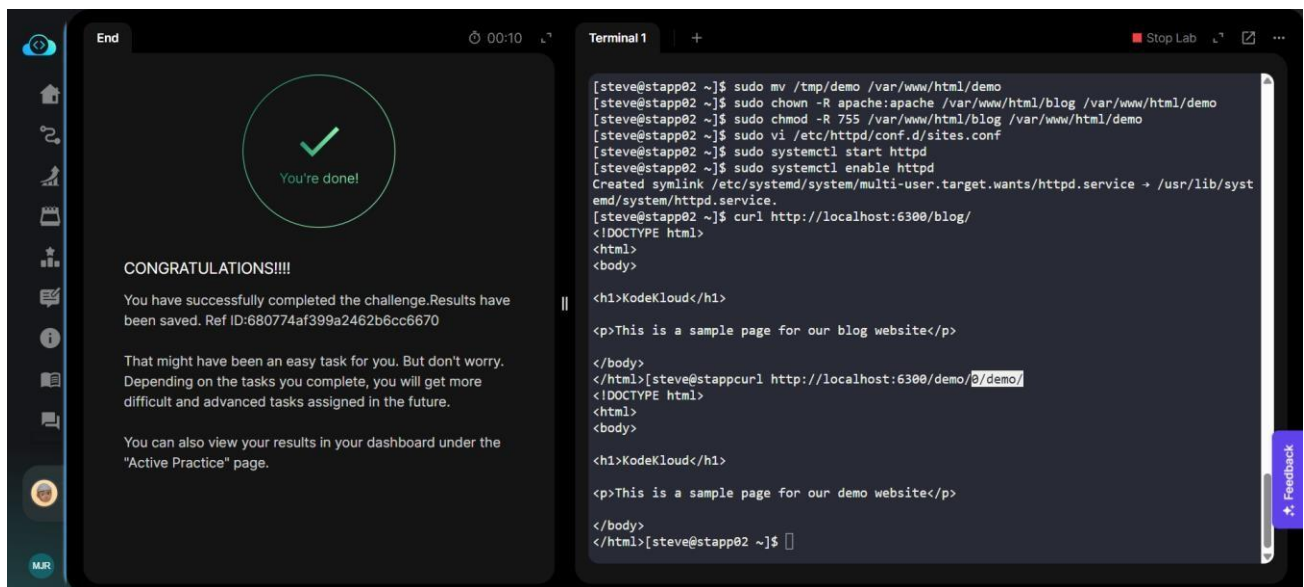
```
Require all granted
</Directory>
<Directory /var/www/html/demo>
Require all granted
</Directory>
```

6. Start and Enable Apache :

- `sudo systemctl start httpd`
- `sudo systemctl enable httpd`

7. Test with curl :

- `curl http://localhost:6300/blog/`
- `curl http://localhost:6300/demo/`





Congrats!

You have completed the task successfully.



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DevOps**

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