



**Placement Empowerment Program**  
***Cloud Computing and DevOps Centre***

***100 Days of DevOps Challenge***

***Day 36 : Deploy Nginx Container on Application Server***

***Name: Monisha J R***

***Department: CSE***



# Deploy Nginx Container on Application Server

## Objective :

The objective is to deploy an **Nginx** container on **Application Server 3**. The container must be named **nginx\_3** and should use the **nginx** image with the **alpine** tag. The final state of the container must be **running**.

## Steps Performed :

- ❑ **Log in to Application Server 3:** Establish an SSH connection to the server.
  - `ssh banner@stapp01`
- ❑ **Run the Docker Command:** Use docker run to create and start the container with the specified name and image.
  - `Docker run -d -name nginx_3 nginx:alpine`
- ❑ **Verify the Container:** Check that the container is running by listing all active containers.
  - `docker ps`

The screenshot shows a challenge completion screen on the left and a terminal window on the right.

**Challenge Completion Screen:**

- Header: End, 00:14
- Green checkmark icon with text: "You're done!"
- Section: CONGRATULATIONS!!!!
- Text: "You have successfully completed the challenge. Results have been saved. Ref ID: 6809de5183720aedcc71f429"
- Text: "That might have been an easy task for you. But don't worry. Depending on the tasks you complete, you will get more difficult and advanced tasks assigned in the future."
- Text: "You can also view your results in your dashboard under the 'Active Practice' page."

**Terminal Window:**

```
thor@jumppost ~$ ssh banner@stapp03
The authenticity of host 'stapp03 (172.16.238.12)' can't be established.
ED25519 key fingerprint is SHA256:gV5LUAX/hObeNYFm0pyhkxaIbwjQv+IR4MnL30JgjXo.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'stapp03' (ED25519) to the list of known hosts.
banner@stapp03's password:
[banner@stapp03 ~]$ docker run -d --name nginx_3 nginx:alpine
Unable to find image 'nginx:alpine' locally
alpine: Pulling from library/nginx
9824c27679d3: Pulling fs layer
9824c27679d3: Pull complete
6bc572a340ec: Pull complete
403e3f251637: Pull complete
9adfbac99cb7: Pull complete
7a8a46741e18: Pull complete
c9e9e2ff2d2c: Pull complete
a992fbc61ecc: Pull complete
cb1ff4086f82: Pull complete
Digest: sha256:42a516af16b852e33b7682d5ef8acbd5d13fe0
Status: Downloaded newer image for nginx:alpine
8331cad15c759eae6f490b2d91e81ea31ce732295418cf9090ba4adc6999b25
[banner@stapp03 ~]$ docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS
8331cad15c75   nginx:alpine  "/docker-entrypoint..."  17 seconds ago Up 16 seconds 80/tcp
0/tcp nginx_3
[banner@stapp03 ~]$
```



**Congrats!**

You have completed the task successfully.



**100 Days of  
DevOps**

Day 36: Deploy Nginx Container on Applic...



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