



DevOps CI/CD Pipeline: Evidence Documentation

1. Jenkins pipeline execution completed successfully with all stages green.

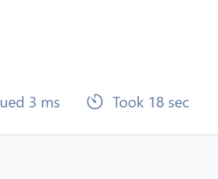
 **Jenkins** 🔍 👤 Vaibhav Oza 🔗 log out

Dashboard > RetailCICD > #15 > Pipeline Overview

 < **#15** ▶ Rebuild ⚙️ Configure ⋮

👤 Manually run by Vaibhav Oza ⌚ Started 4 days 5 hr ago ⌚ Queued 3 ms ⌚ Took 18 sec

Graph



```
graph LR; Start((Start)) --> Checkout((Checkout)); Checkout --> Build((Build)); Build --> DockerBuild((Docker Build)); DockerBuild --> RunAnsible((Run with Ansible)); RunAnsible --> End((End));
```

🔍 Search

- ✔️ Checkout 1 sec
- ✔️ Build 6.6 sec
- ✔️ Docker Build 2.1 sec

✔️ Run with Ansible ⌚ 4.7 sec ⌚ Started 4 days 5 hr ago 🖨️ Jenkins ⋮

✔️ ansible-playbook ansible/run_docker.yml ⌚ 4.6 sec 📄

```
0 + ansible-playbook ansible/run_docker.yml
1 [WARNING]: No inventory was parsed, only implicit localhost is available
```

2. Docker container for the retail app launched and running.

```
oza@VaibhavROG:~/devOPS_Project1$  
oza@VaibhavROG:~/devOPS_Project1$ docker run -d -p 9090:8080 --name retail-app abc-retail-app:latest  
7b070757927933ff28237e3b0842f6755500c7652cdc31d420f82ebd22f06247  
docker: Error response from daemon: failed to set up container networking: driver failed programming external connectivity on endpo  
int retail-app (ca35d5c0ae3aeb2e6511e02091f3baa707d14028f8b9ae09de908c1e8ded335): Bind for 0.0.0.0:9090 failed: port is already al  
located  
  
Run 'docker run --help' for more information  
oza@VaibhavROG:~/devOPS_Project1$
```

3. Final CI/CD pipeline run validated successfully on Jenkins.

Dashboard > RetailCICD >

Status

Changes

Build Now

Configure

Delete Pipeline

GitHub

Stages

Rename

Pipeline Syntax

✓ RetailCICD

Edit description

ABC Retial CICD Pipeline

Permalinks

- Last build (#15), 4 days 4 hr ago
- Last stable build (#15), 4 days 4 hr ago
- Last successful build (#15), 4 days 4 hr ago
- Last failed build (#13), 4 days 4 hr ago
- Last unsuccessful build (#14), 4 days 4 hr ago
- Last completed build (#15), 4 days 4 hr ago

Builds

Filter

16 May 2025

✓ #15 6:46 am

Search

72°F Sunny

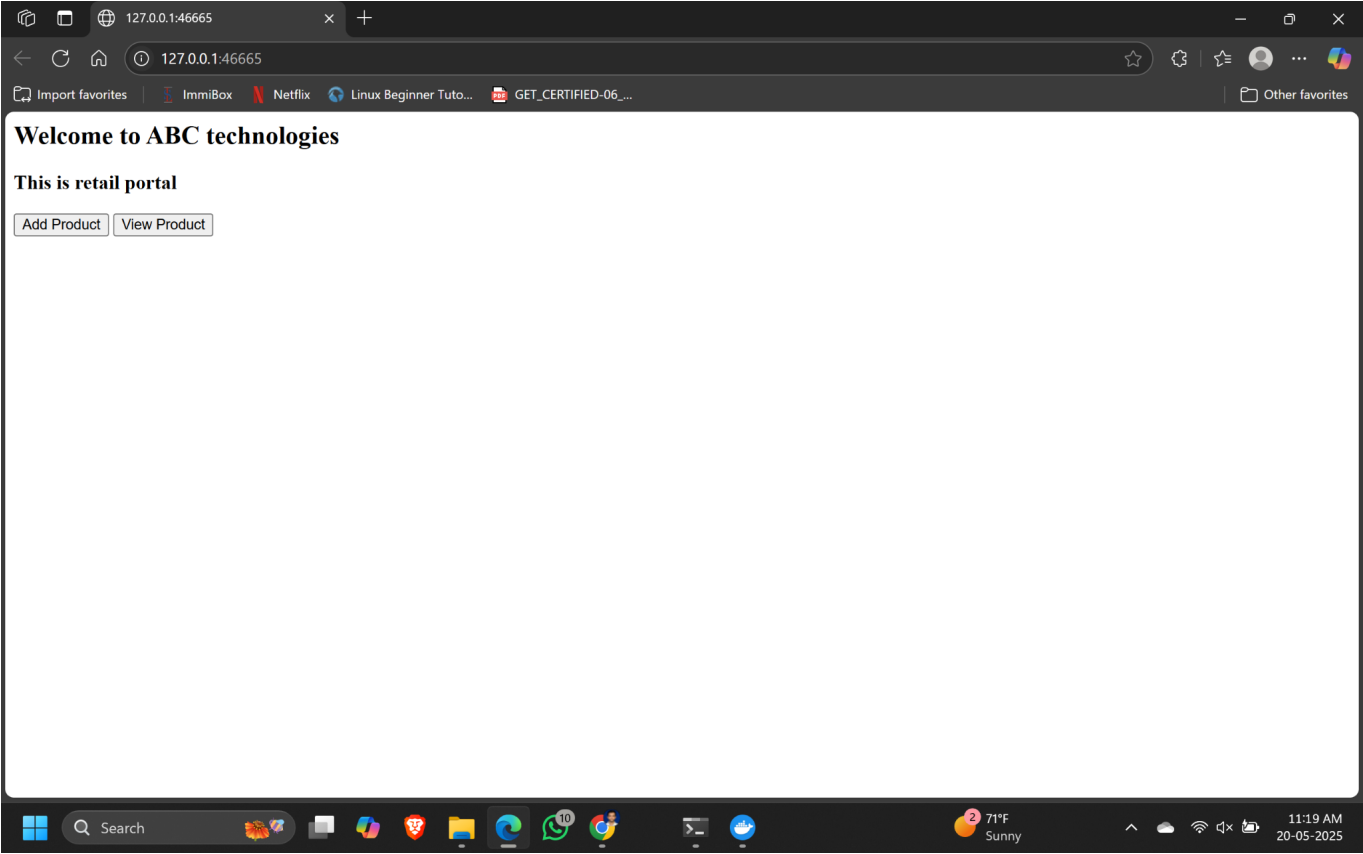
11:36 AM 20-05-2025

4. Kubernetes pods and services deployed and running using Minikube.

```
oza@VaibhavROG:~$ kubectl get pods,services
NAME                                     READY   STATUS    RESTARTS   AGE
pod/retail-app-5bf7f67cb4-r528m        1/1     Running   1 (45s ago) 4d3h

NAME                                TYPE          CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
service/kubernetes                  ClusterIP     10.96.0.1    <none>        443/TCP          4d3h
service/retail-service              NodePort      10.110.183.53 <none>        80:30629/TCP     4d3h
oza@VaibhavROG:~$
```

5. Retail web application verified to be live and accessible.



6. Grafana dashboard showing real-time monitoring of application metrics.

