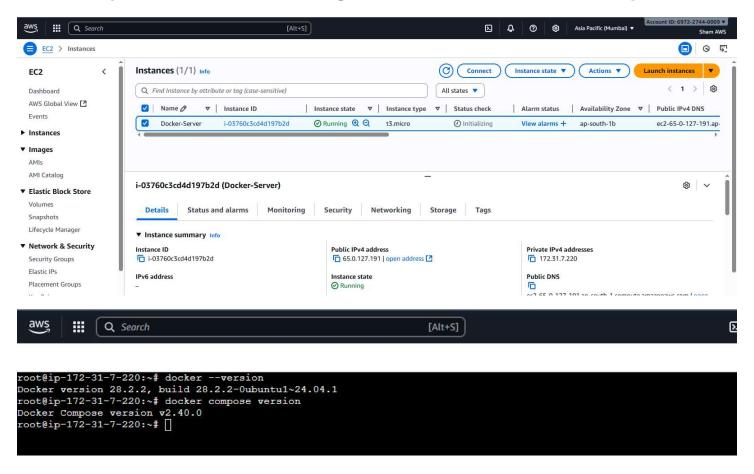
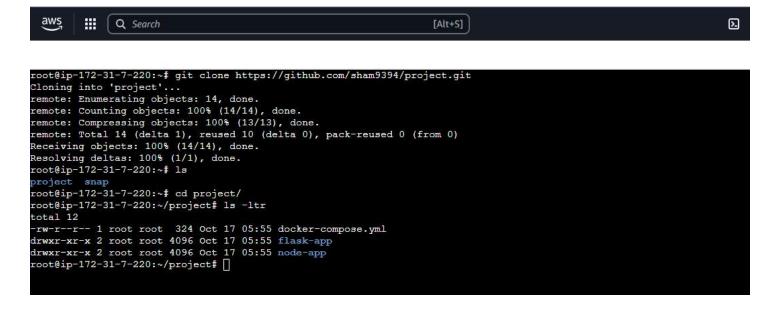
# Build and Deploy a Custom Docker Image using Docker Compose Scenario 1: Build Image and Run Container using Docker Compose.

1. Setup EC2 Server with Configured Docker and Docker Compose.



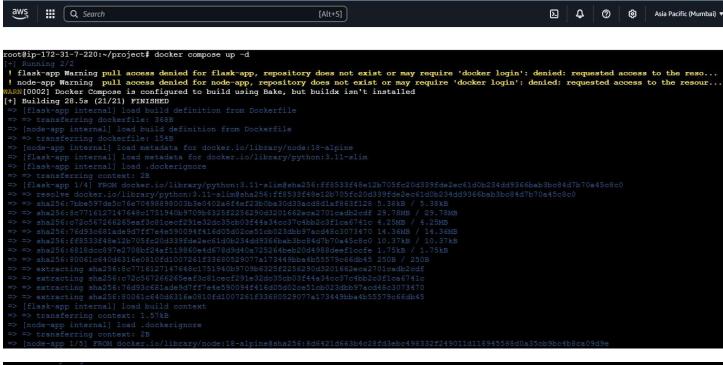
2. Pull the Code on Server and Write a Docker-Compose.yml File.



Σ

```
root@ip-172-31-7-220:~/project# vi docker-compose.yml
root@ip-172-31-7-220:~/project# cat docker-compose.yml
services:
 flask-app:
   image: flask-app
   build: ./flask-app
   container_name: flask-container
     - "5000:5000"
   restart: always
 node-app:
   image: node-app
   build: ./node-app
   container_name: node-container
   ports:
      - "3000:3000"
   restart: always
oot@ip-172-31-7-220:~/project# []
```

#### 3. Run Container using Docker-compose.yml.



#### 4. Verify Server Output using IP.



#### Welcome to Flask App on EC2!

This app is running directly on EC2 without Docker.

- /fetch External API Call
- /health Health Check



### Welcome to My Node.js App!

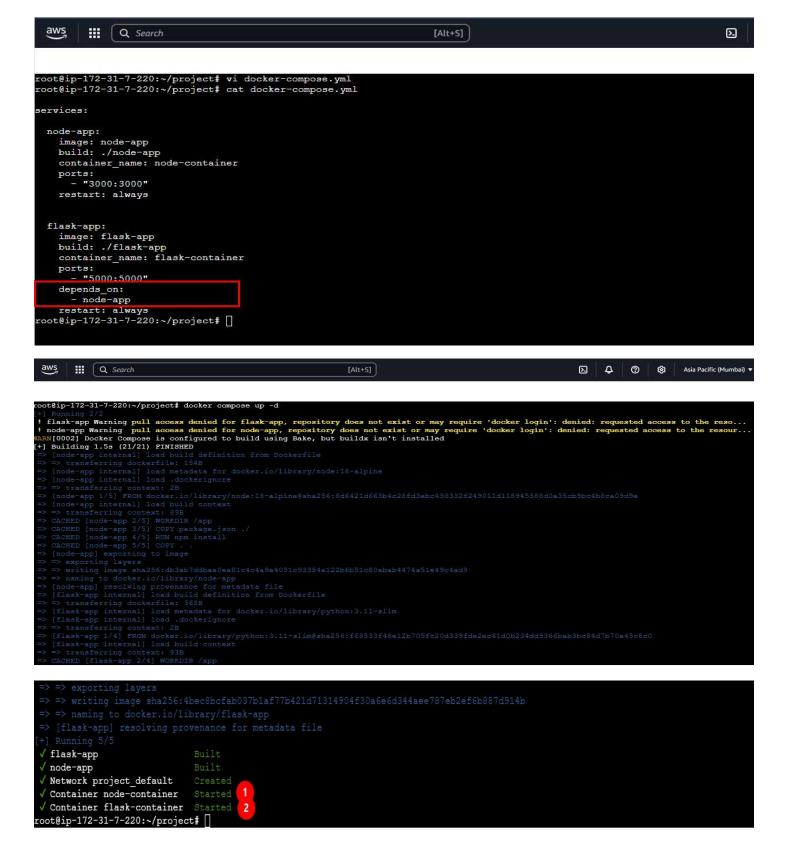
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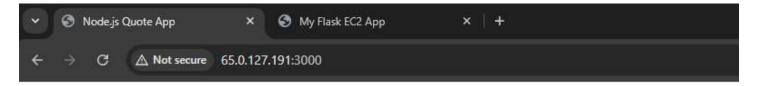


## Scenario 2: Build Image and Run Container using Docker Compose (Dependency Case)

5. Reconfigure Docker Compose file for Depend on case. (flask-app will run after node-app will start successfully)



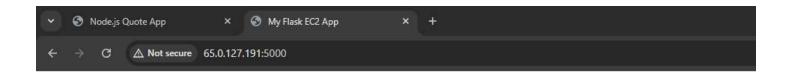
6. Verify Server Output using IP.



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### Welcome to Flask App on EC2!

This app is running directly on EC2 without Docker.

- /fetch External API Call
- /health Health Check

