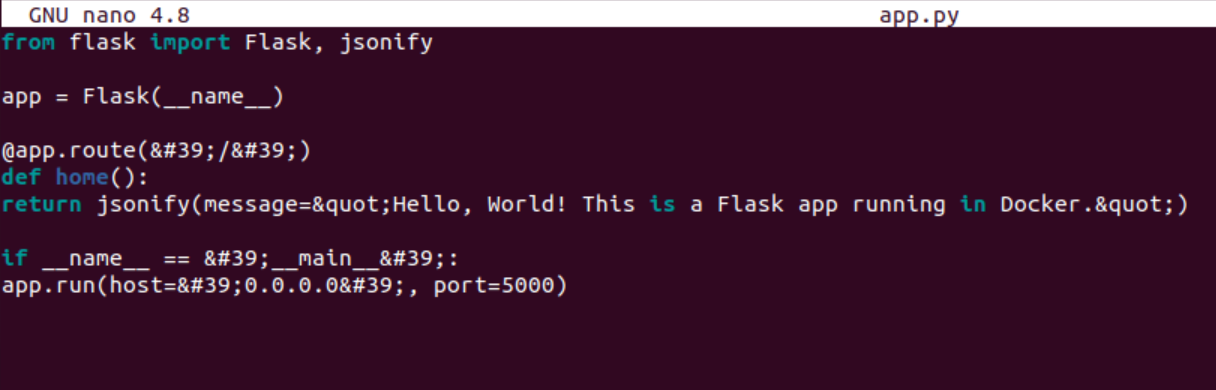
**Case Study 1: High Availability Microservices Deployment**

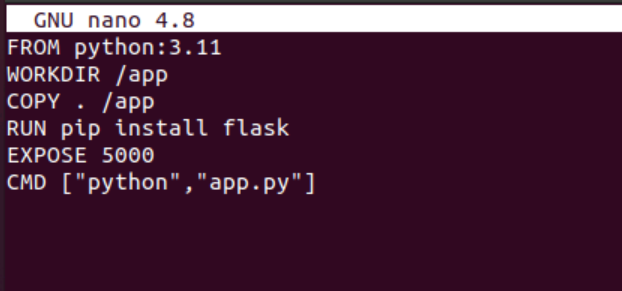
**Scenario:**

**A growing e-commerce startup faces frequent website crashes during peak traffic. They need a scalable solution.**

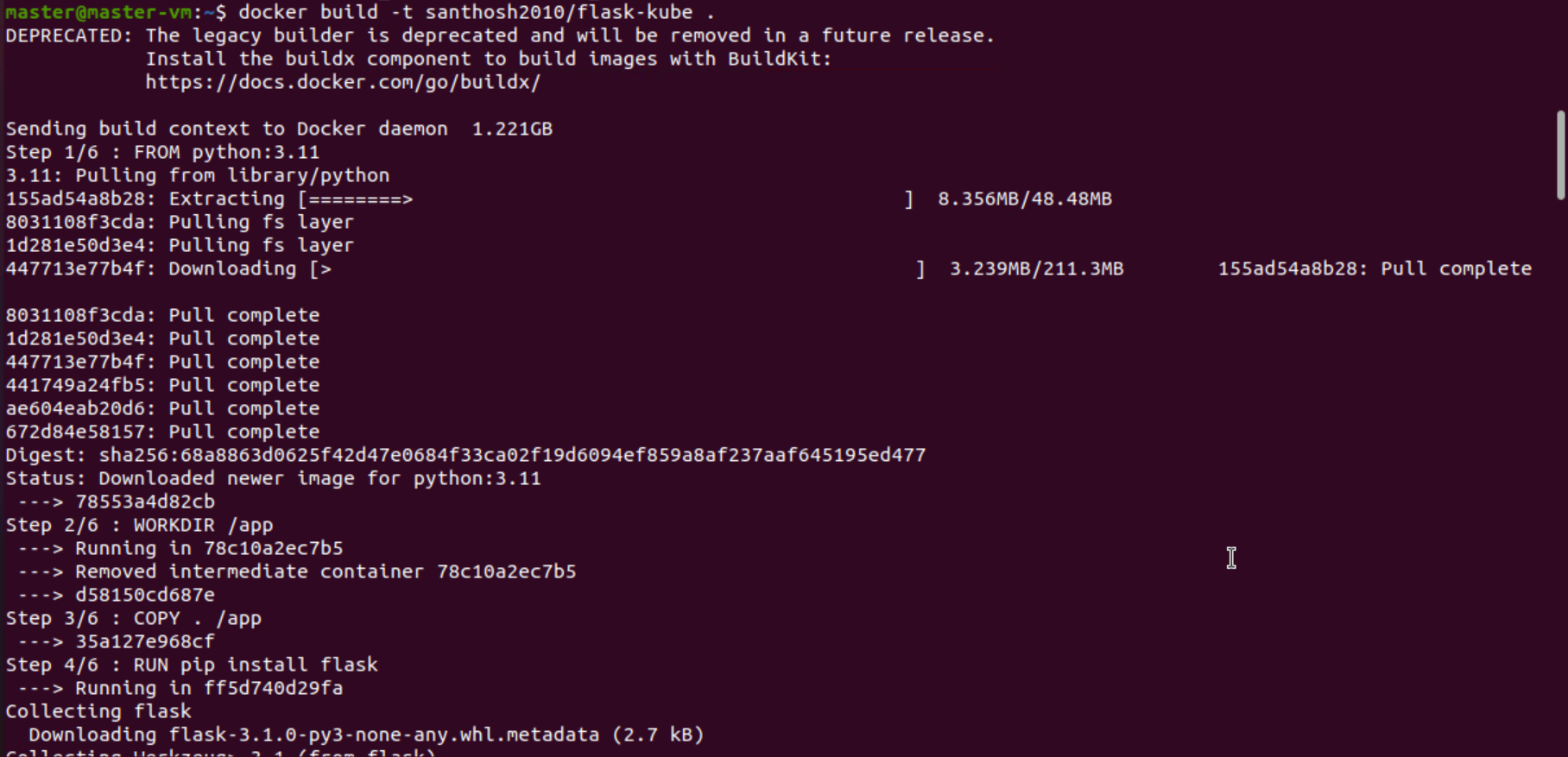
**Step 1:** Building and Containerizing the Flask Application.

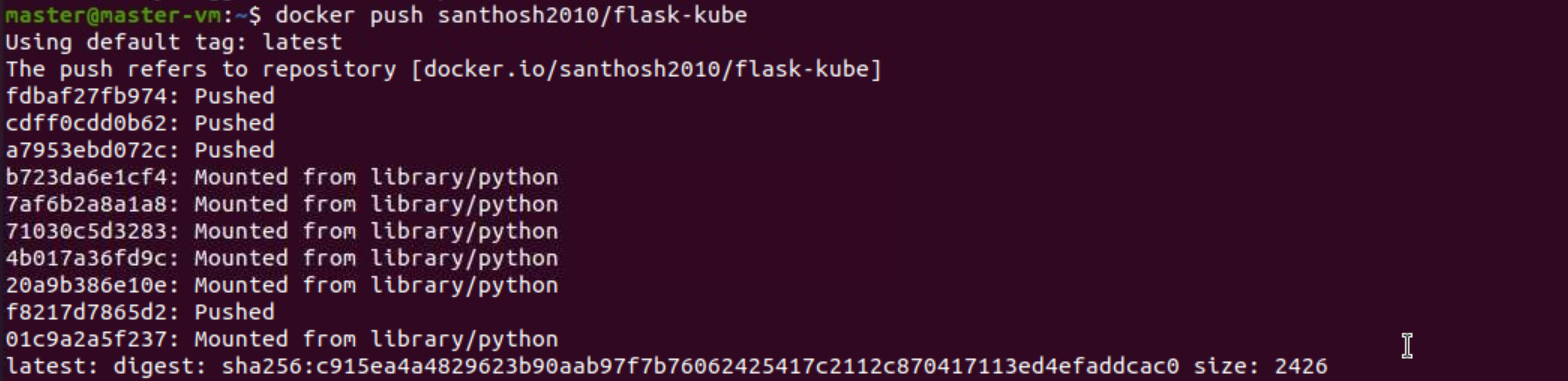
****

**Step 2:** Creating the Dockerfile.

****

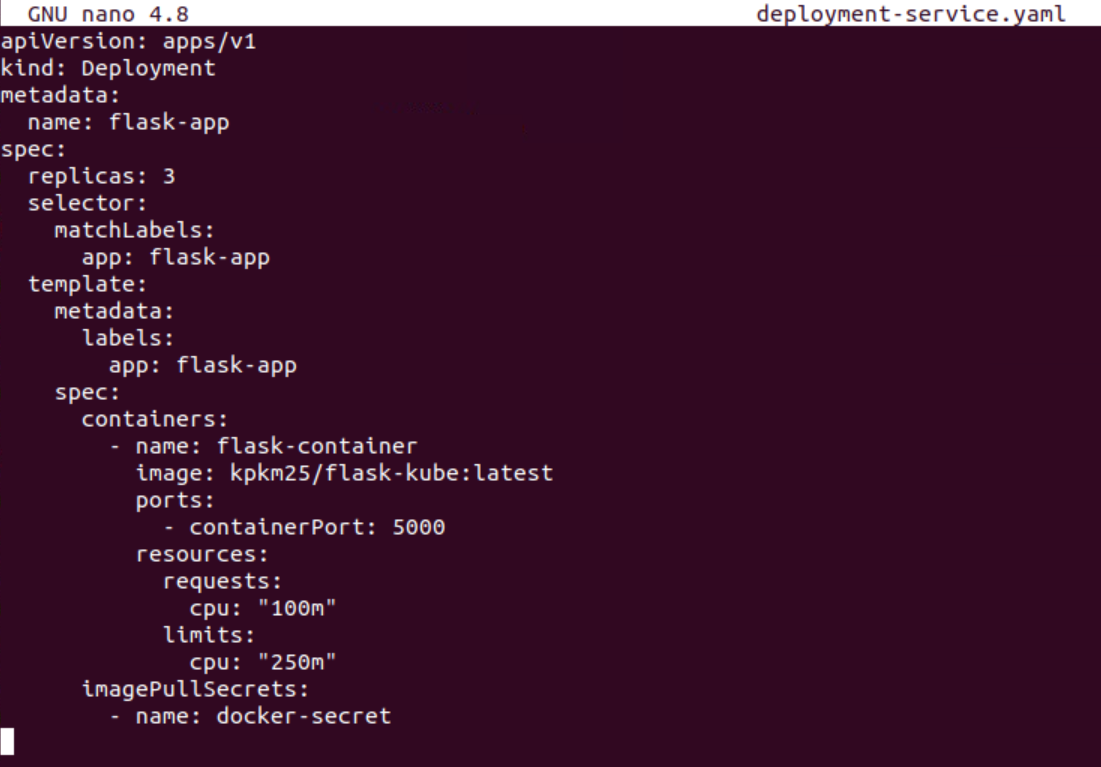
**Step 3:** Build and push the image.

****

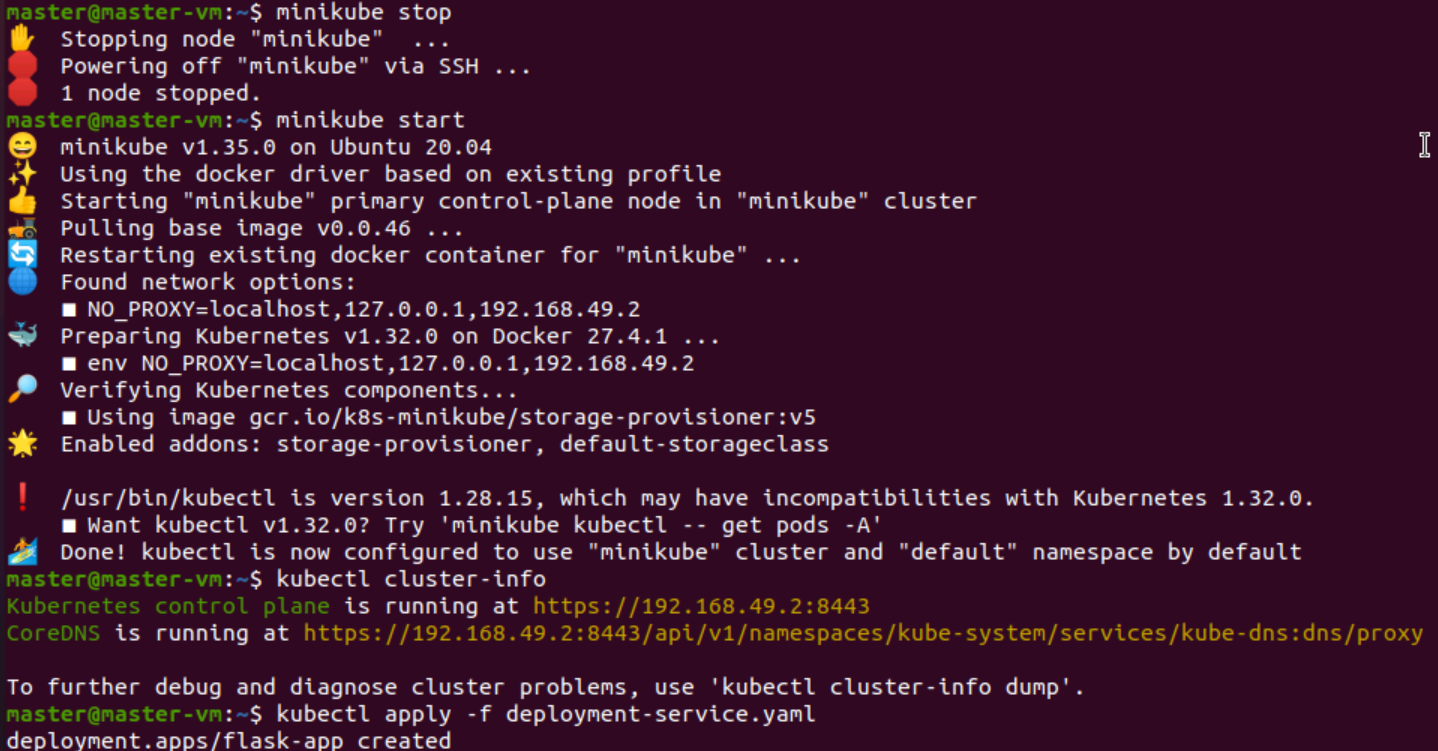
****

**Step 4:**Deploying Flask app in Kubernetes

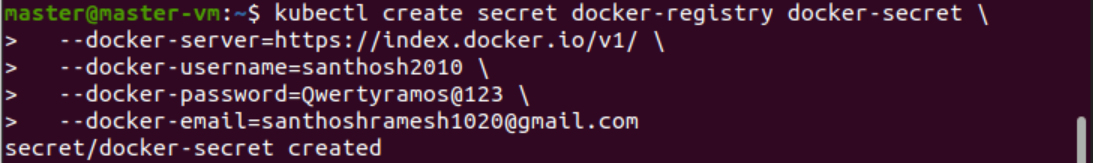
**\_** Creating deployment-service.yaml

****

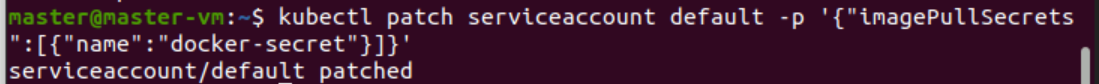
**Step 5:** Applying for the Deployment.

****

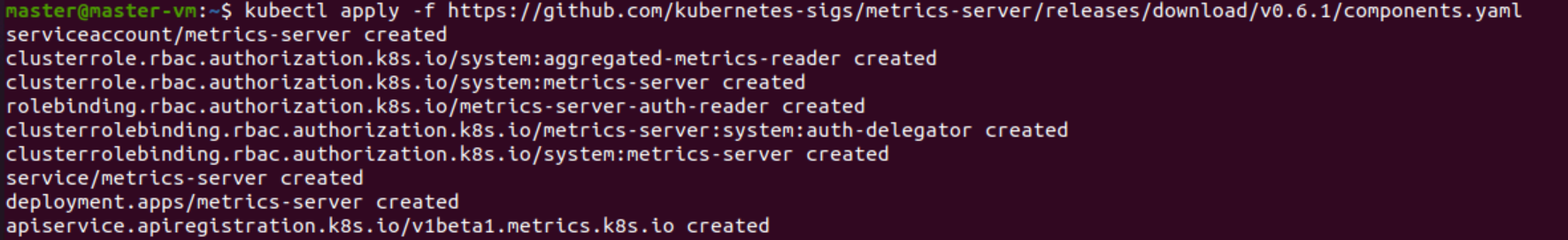
**Step 6:** Create a Docker Secret registry.

****

**Step 7:** Creating a Patch Default Service Account.

****

**Step 8:** Installing and Troubleshooting Metrics Server

****