

Project 6: Dual-App Deployment (Flask + Node.js) with Shared DB and Artifact Cleanup

Goal:

Deploy a Flask and a Node.js app to the same EC2, both using a shared PostgreSQL database.

Clean up old artifacts.

Requirements:

- Jenkins master: Amazon Linux
- EC2: CentOS
- Jenkins agent: Ubuntu

Ansible roles:

- Set up PostgreSQL and schema
- Deploy Flask and Node apps on different ports
- Configure process manager (PM2 or systemd)

Artifact:

- Store both apps' builds separately with version tags
- Jenkins script deletes artifacts older than X days

Expected Output:

- Flask app on port 5000 displays: "Flask app with shared DB is live!"
- Node.js app on port 3000 displays: "Node.js app with shared DB is up and running!"