**Pipeline**

ITI intake 42 Open-Source Cloud platform development graduation project.

**Team members**:

1 – Zainab Sabry

2 – Mohamed El Sayed

3 – Ahmed Hassan

4 – Rinad Khaled

5 – Yasser Osama

**Technologies used**:

- Ansible

- Kubernetes

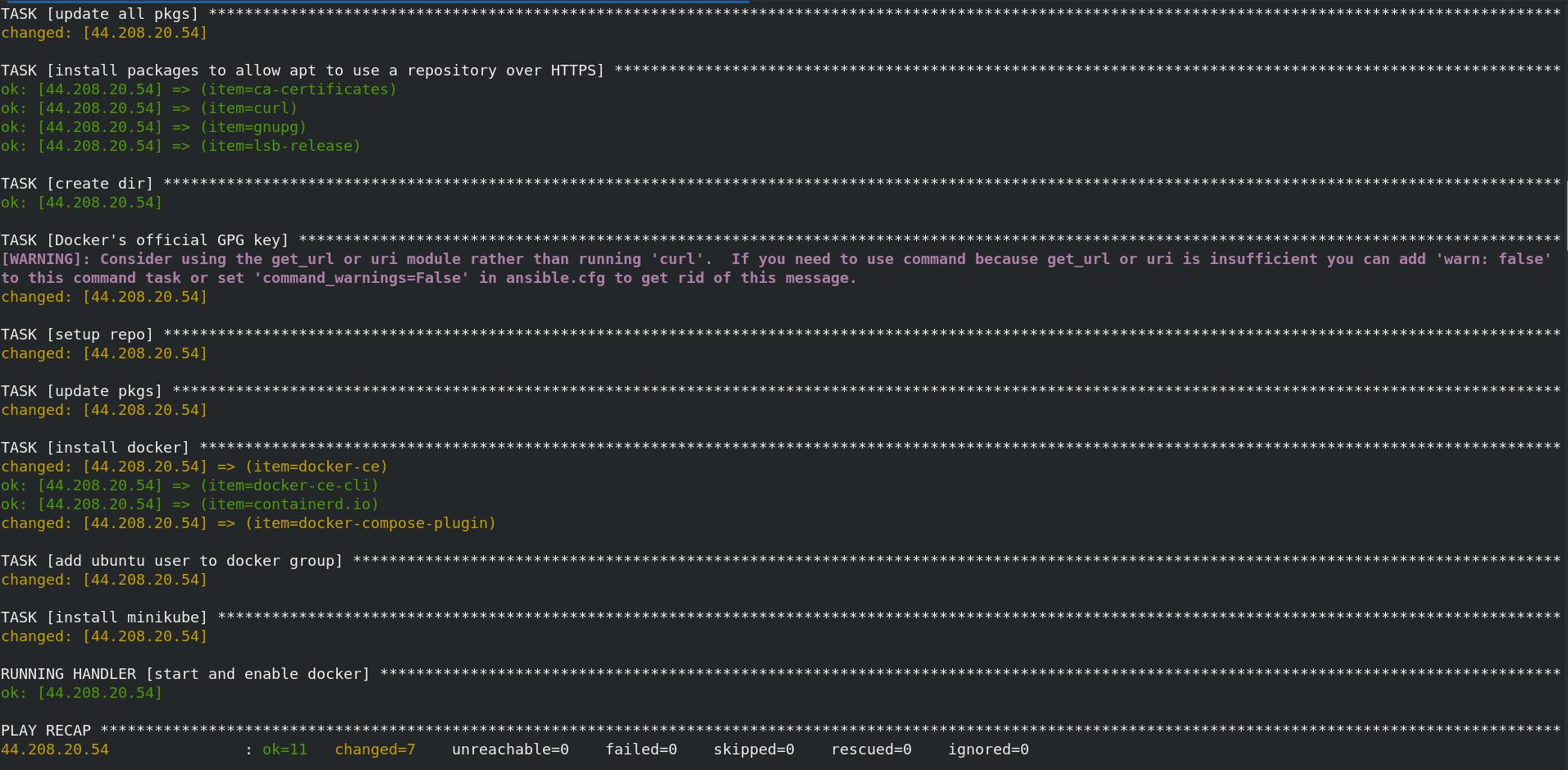
- Terraform

- Jenkins

- Nexus

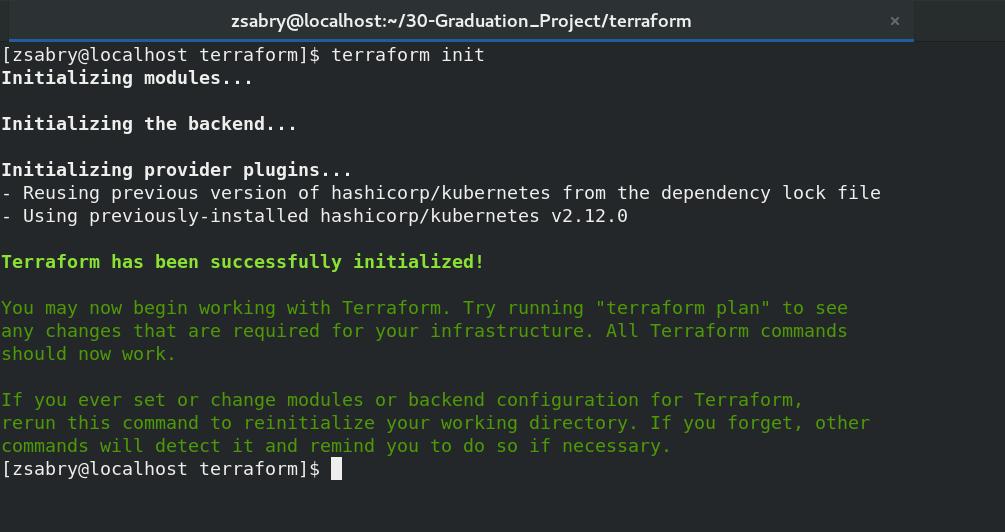
- Kaniko

**Ansible**

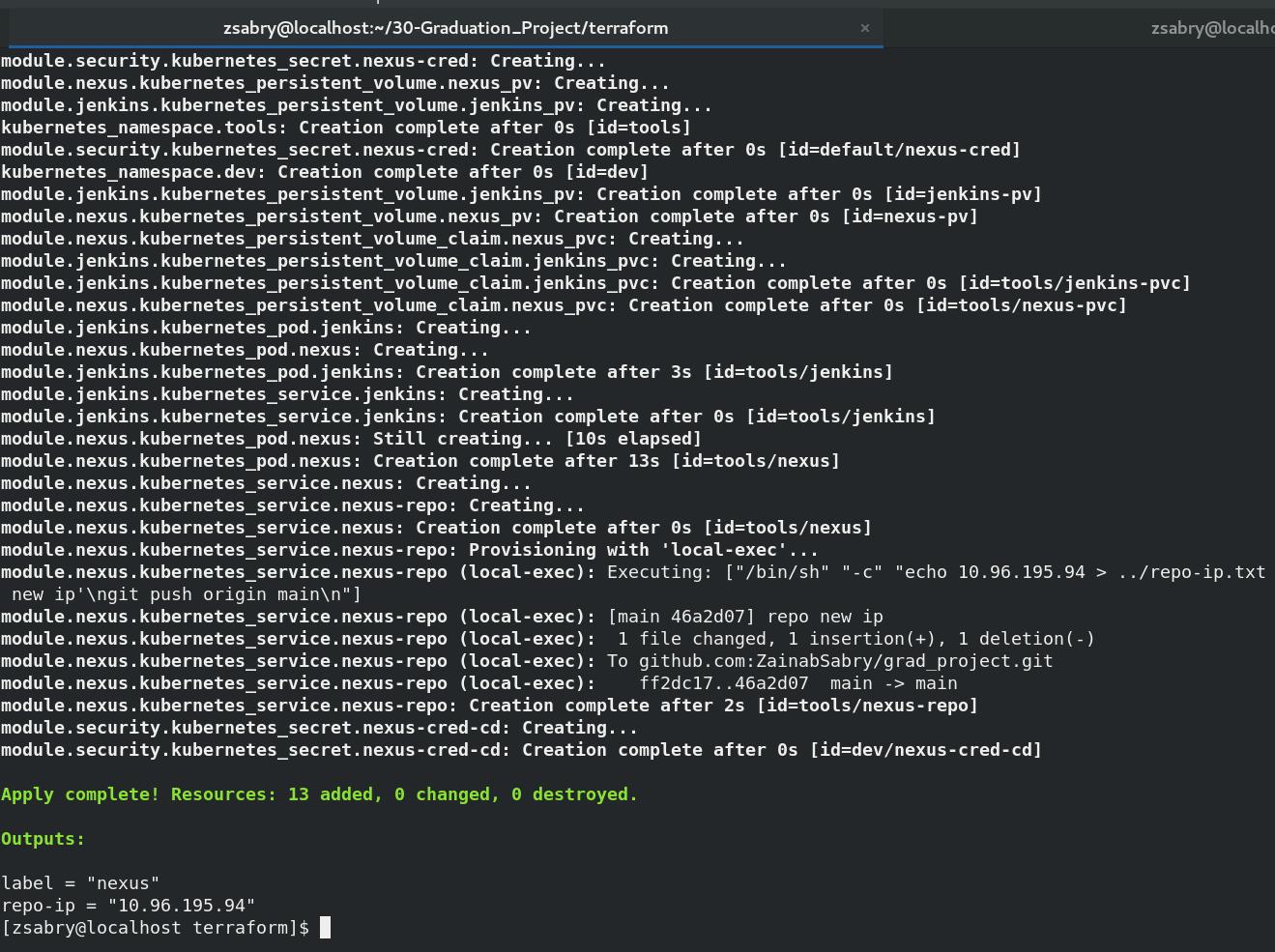
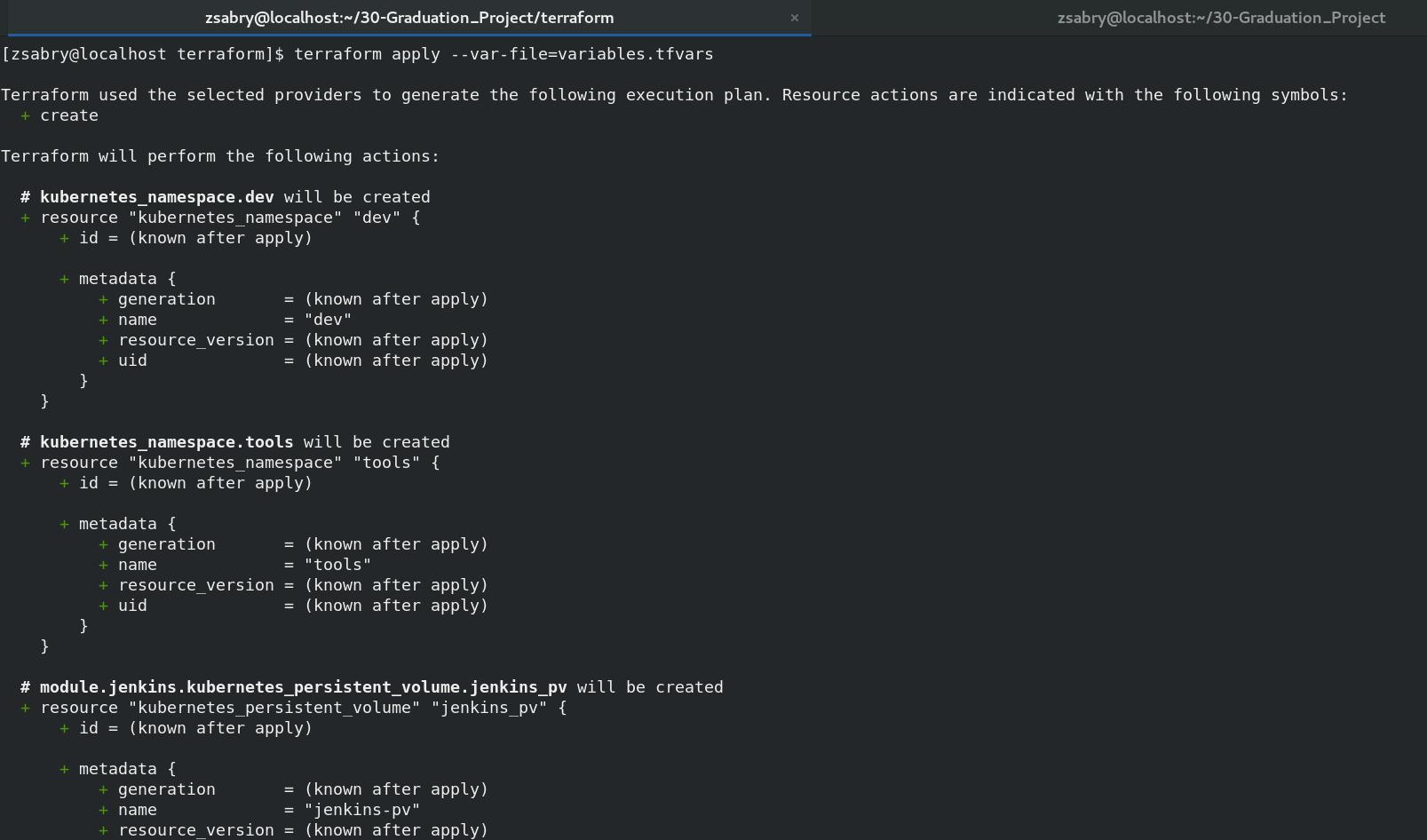


**Terraform**

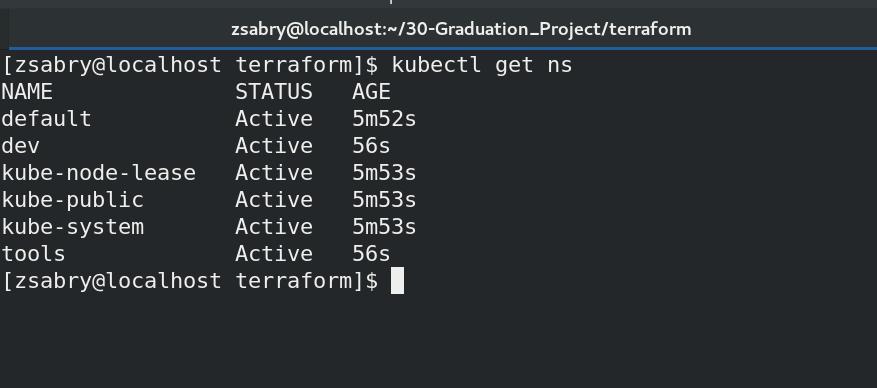
-Terraform init

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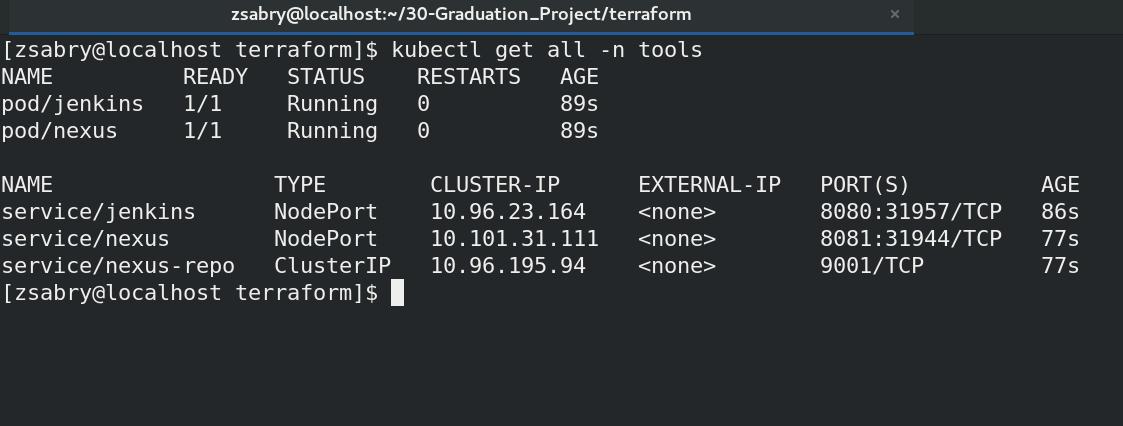
- Terraform apply



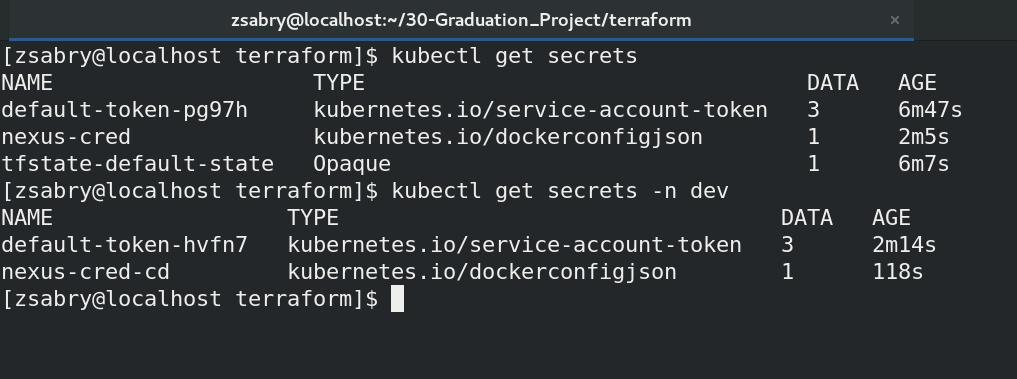
- Namespaces



- Jenkins / Nexus pods



- Secrets

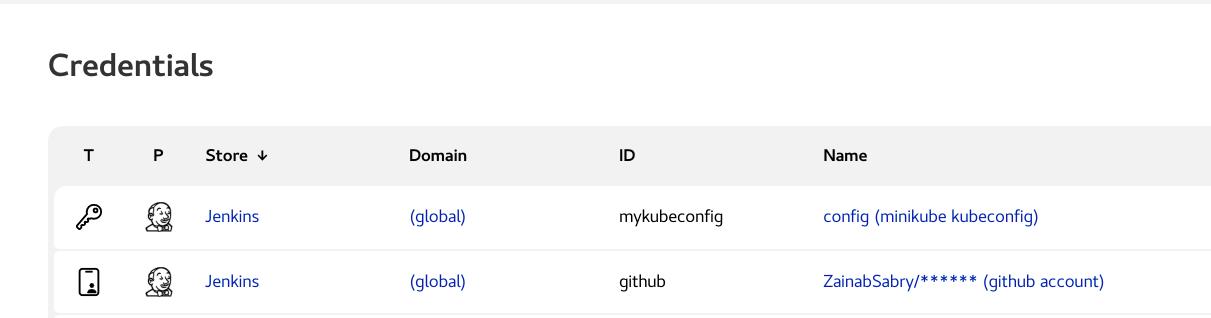
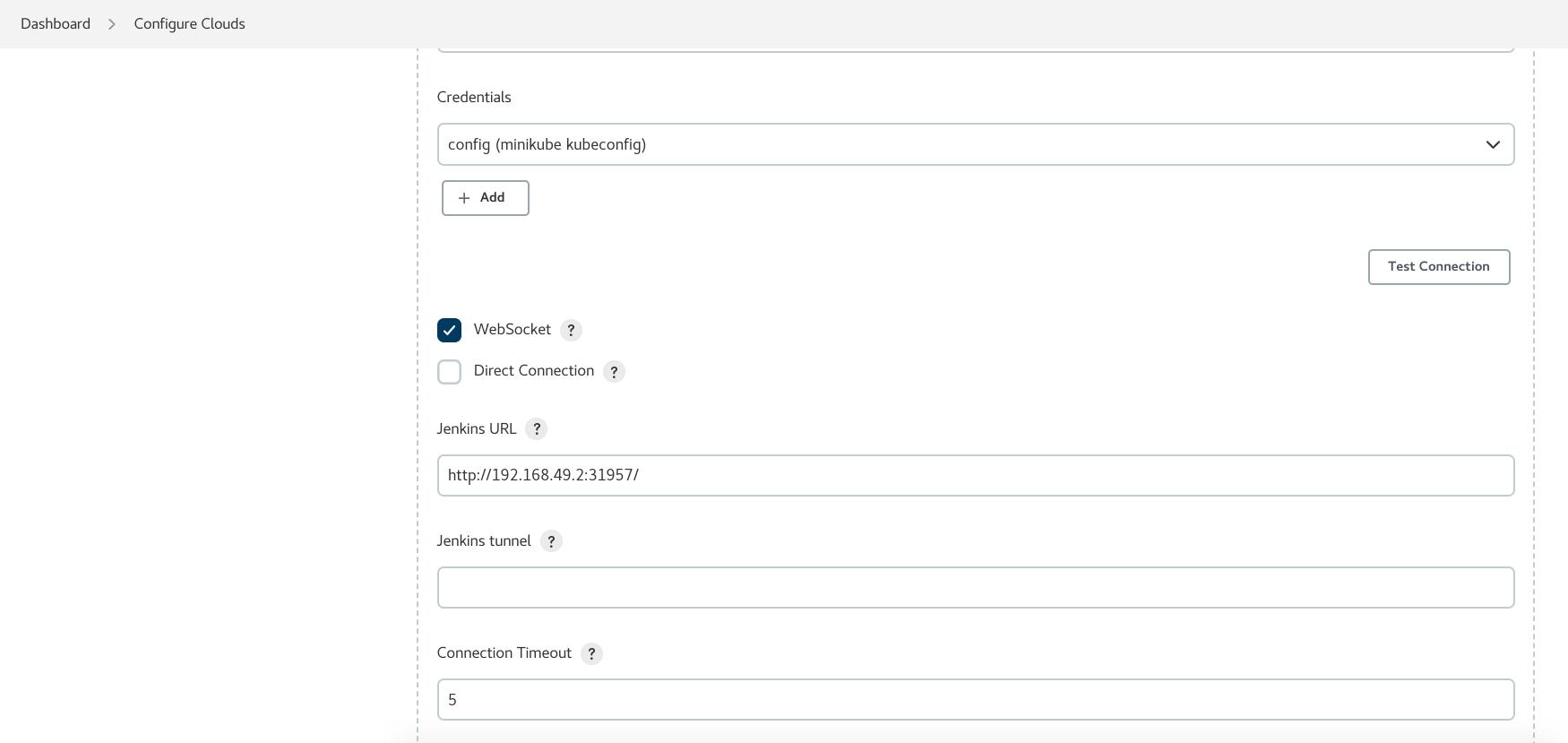


- Nexus repo-ip



**Jenkins**

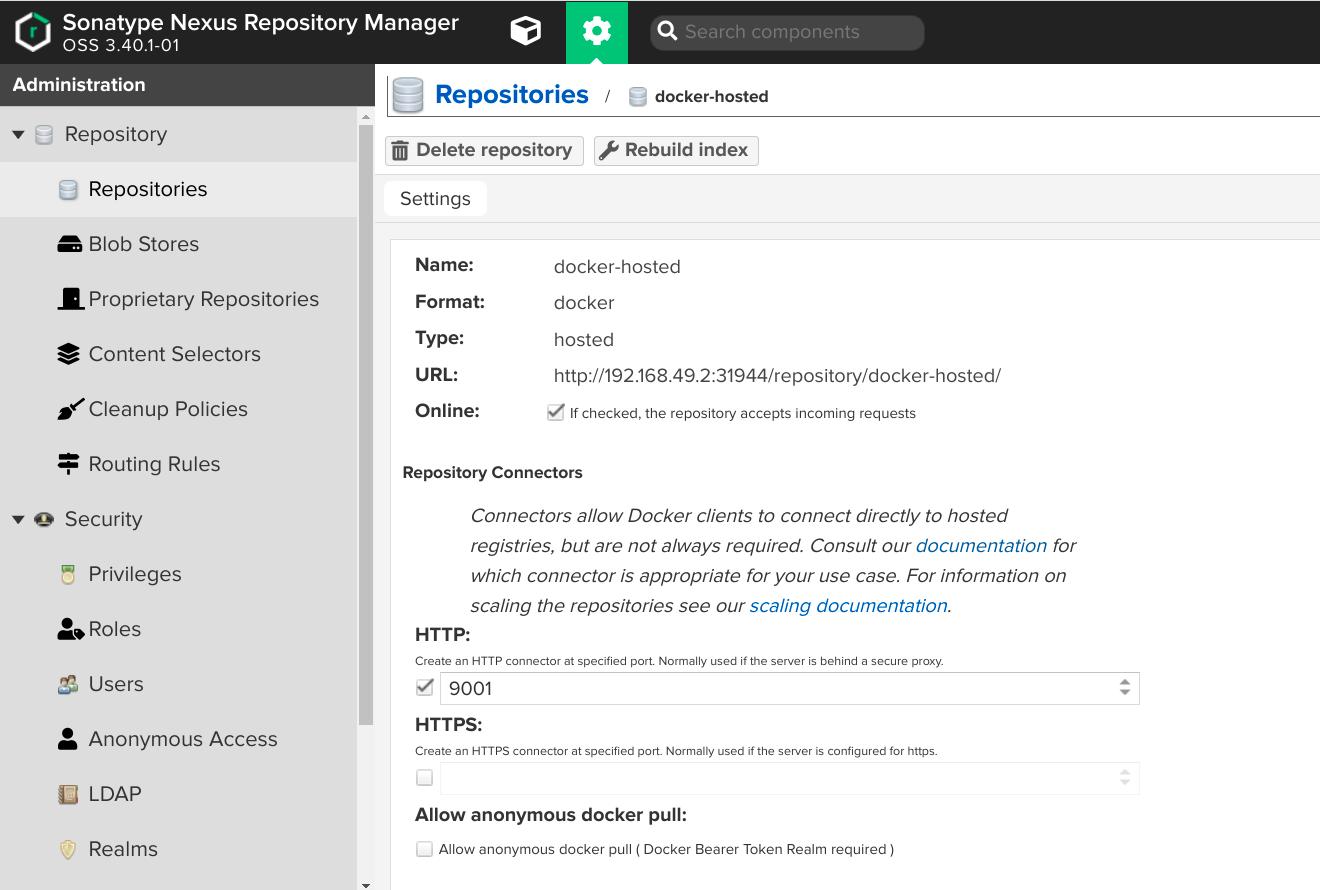
- Connect Jenkins to Minikube cluster

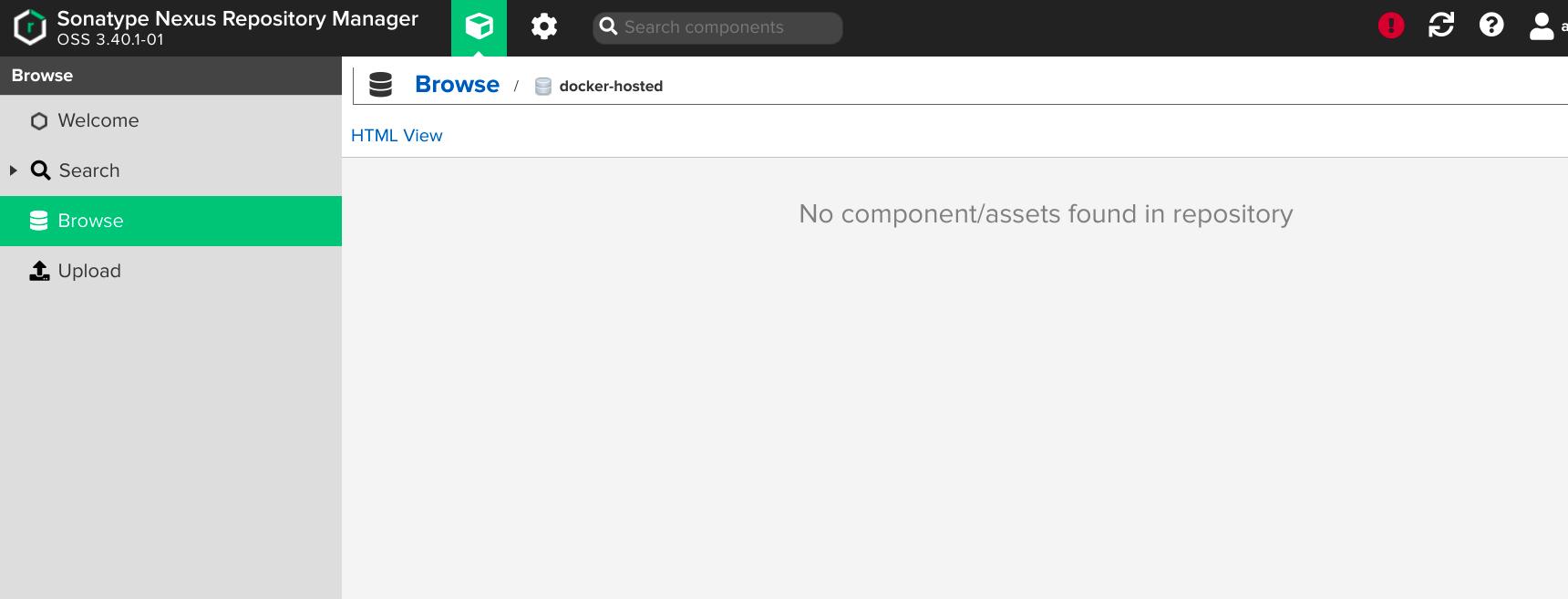
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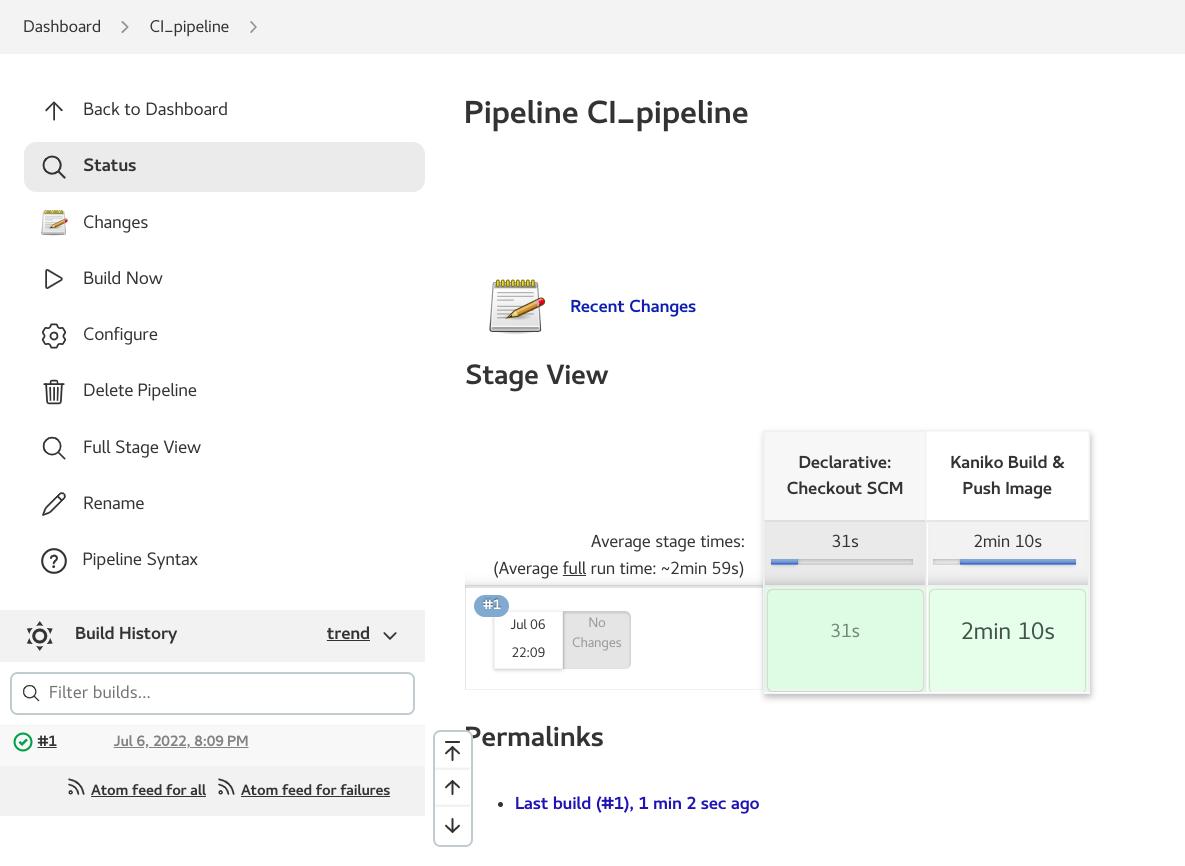
**Nexus**

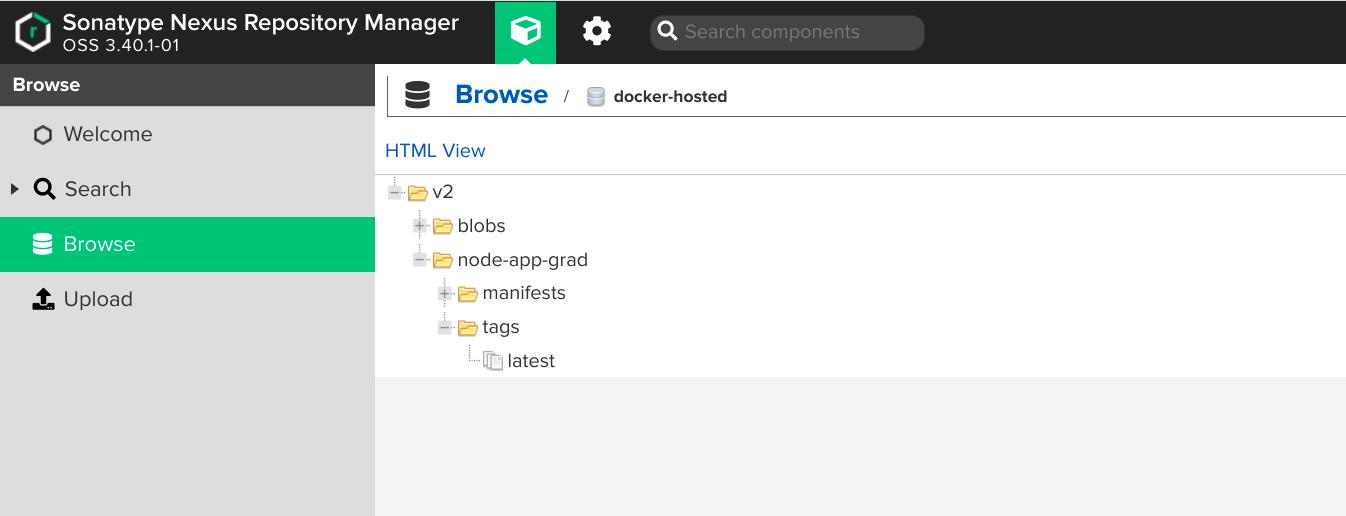
- Nexus Repo



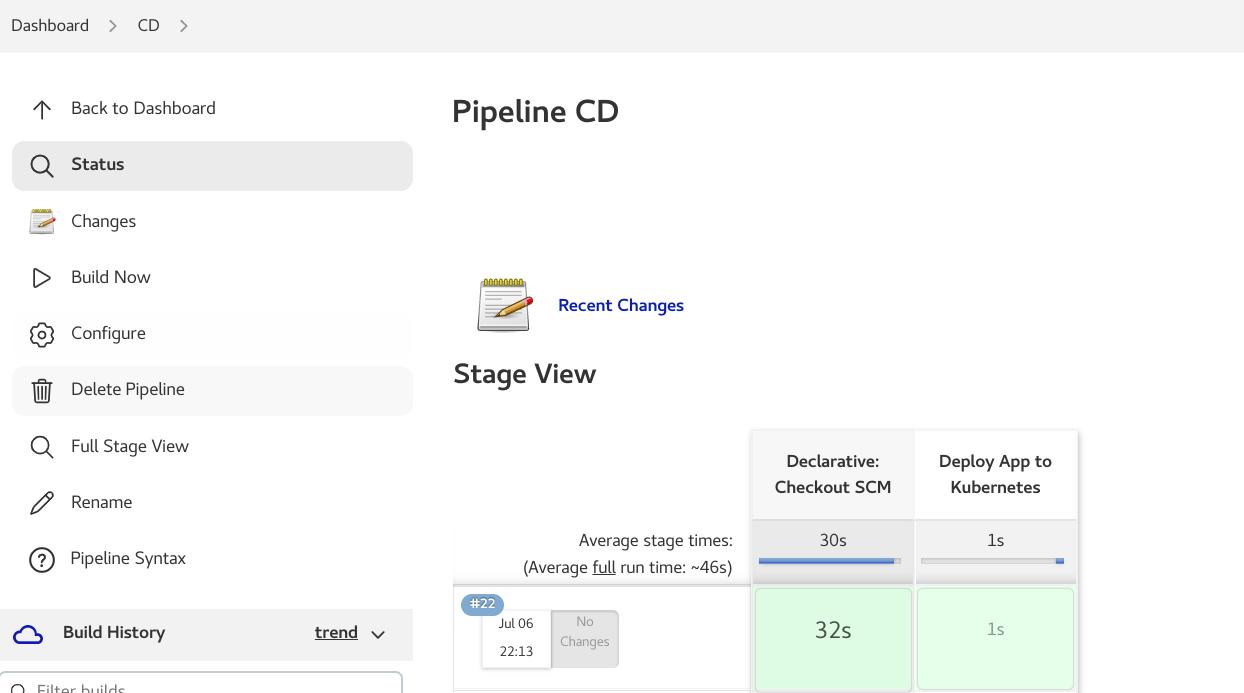


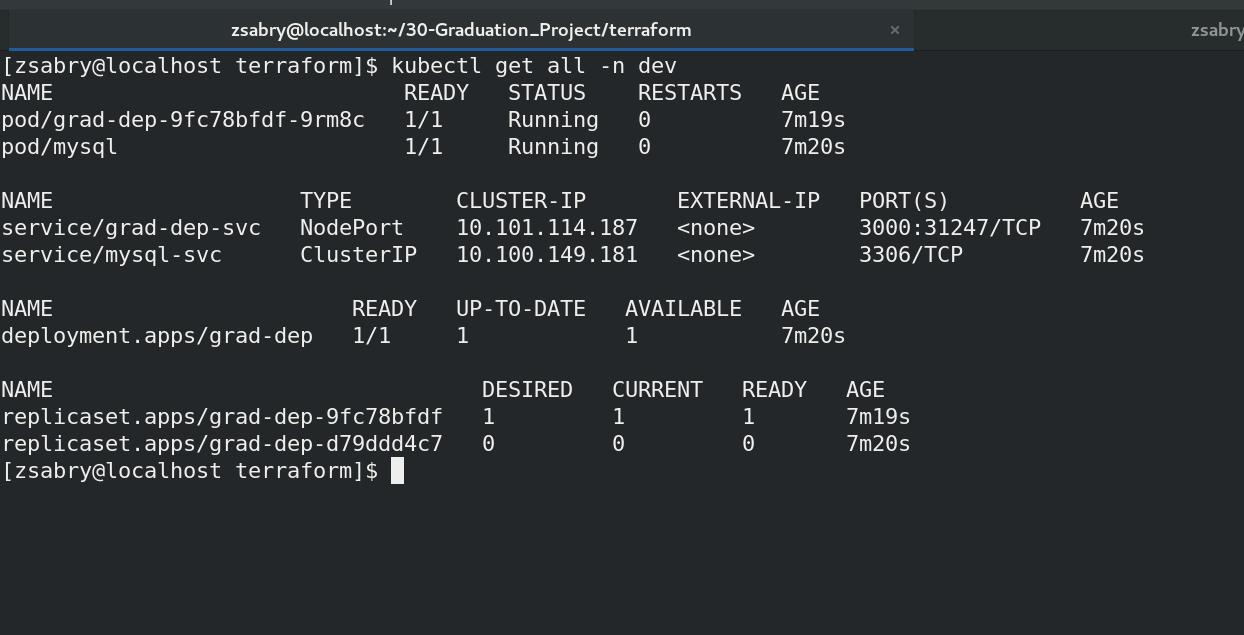
**CI**

- Nexus Repo after pipeline

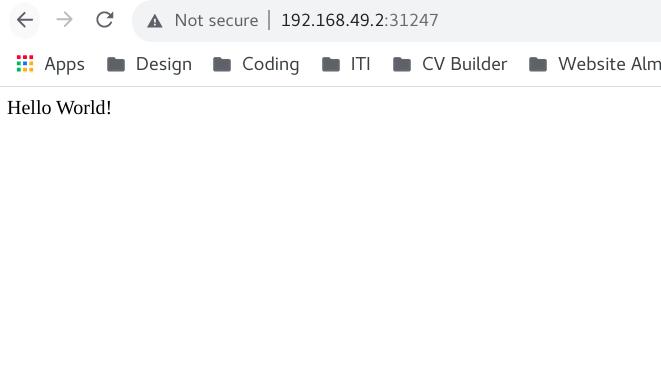


**CD**

- Node app deployment & Mysql deployed in minikube



**Deployed Application**

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