Run rancher on your mac

1.Setup Kind Cluster

```
curl -Lo kind https://github.com/kubernetes-
sigs/kind/releases/download/v0.5.0/kind-darwin-amd64 && chmod +x kind
./kind create cluster
export KUBECONFIG="$(kind get kubeconfig-path --name="kind")"
```

Note: important to have clean k8s cluster.

2.Run rancher on your mac

```
docker run -d --restart=unless-stopped  -p 8080:80 -p 8443:443
rancher/rancher
```

3.Attach cluster to rancher

click: https://localhost:8443

get your mac ip and configure it as rancher server url

```
$ipconfig getifaddr en0
10.62.61.160
```

click: add cluster – > import

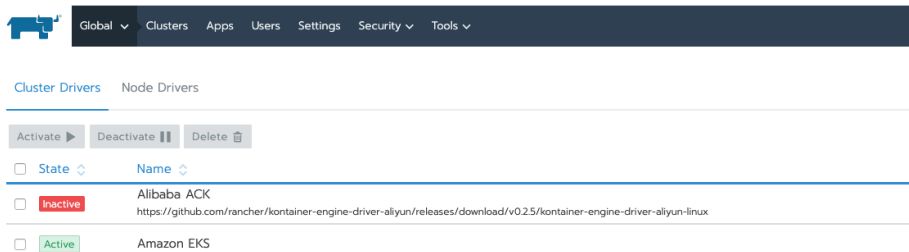Run command against your kind cluster:

Note: the URL yaml should be copied from rancher UI.

```
curl --insecure -sfL
https://10.62.61.160:8443/v3/import/tmdpf8bb7jctsm7djbvxxxx.yaml | kubectl
apply -f -
```
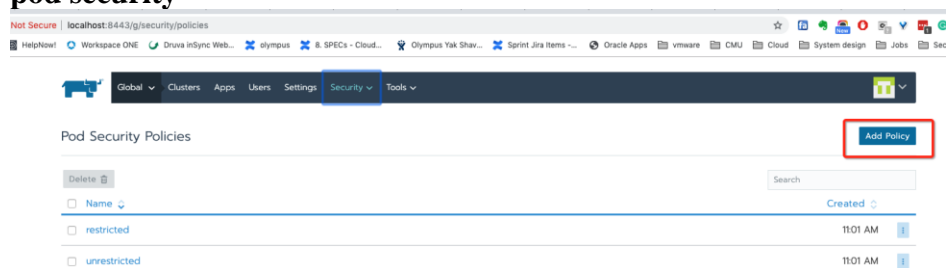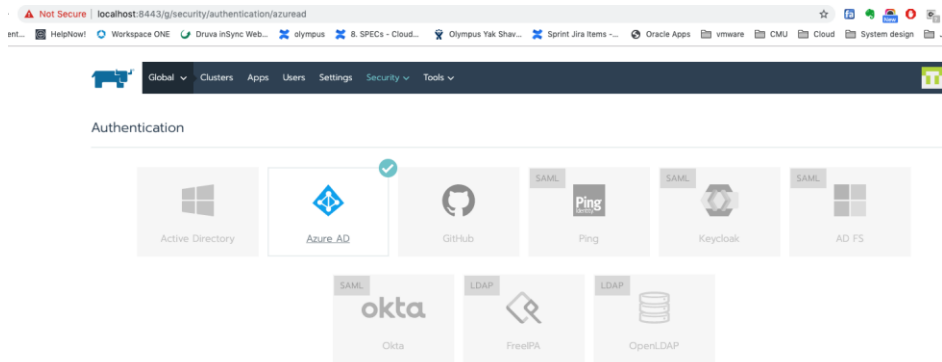
4. Play with Rancher

4.1 Global(cluster group):
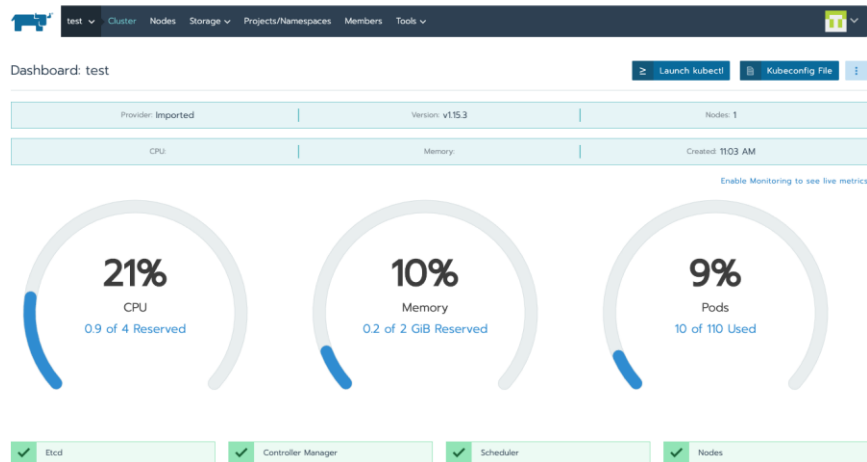
- **cluster provision**

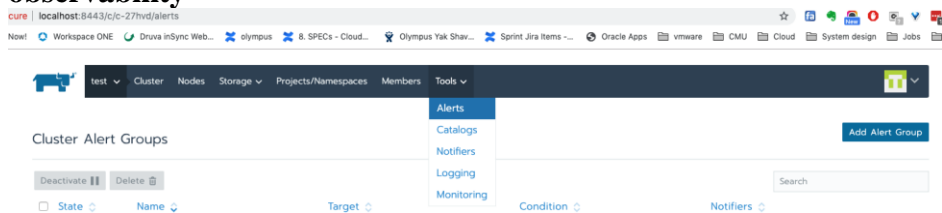
- **pod security**

- **Auth**

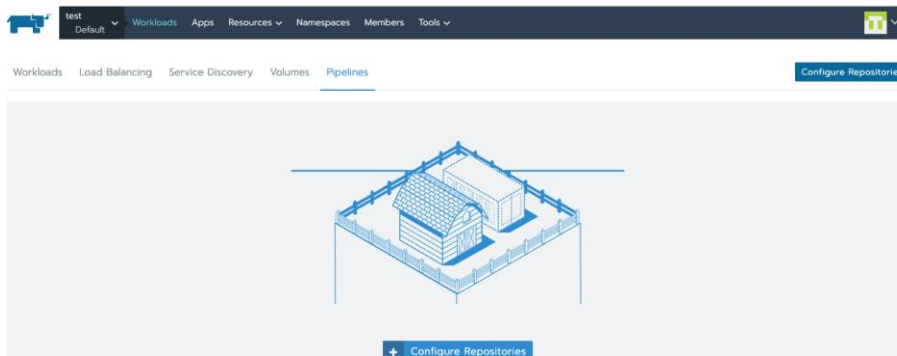## 4.2 Cluster Level

- **cluster dashboard**
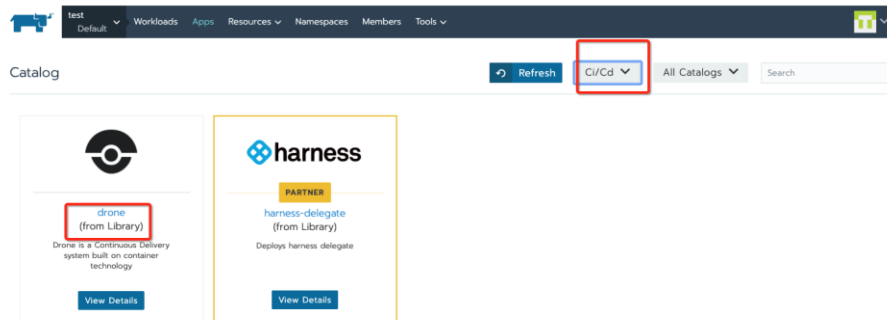

- **observability**
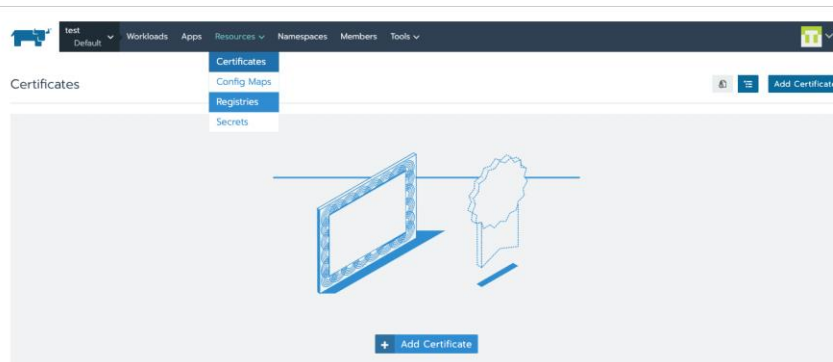

4.3 Project(workspace) Level

- **pipeline**

- **service catalog**

- **special k8s resources**

Reference:
https://www.nirmata.com/product/
https://www.nirmata.com/security-policy/