

Rancher

Howdy!

Welcome to Rancher

English ▼

Username

Remember ☐

e.g. jsmith

Password

Log In

An ideal Provisioner:

- 1) Support Multiple Providers
- 2) Easy Rolling Upgrades
- 3) Configuration as Code
- 4) Rollbacks
- 5) Simple architecture and Easy implementation
- 6) Lower learning curve
- 7) An UI maybe

CURRENT K8S CLUSTER PROVISIONERS



Amazon EKS



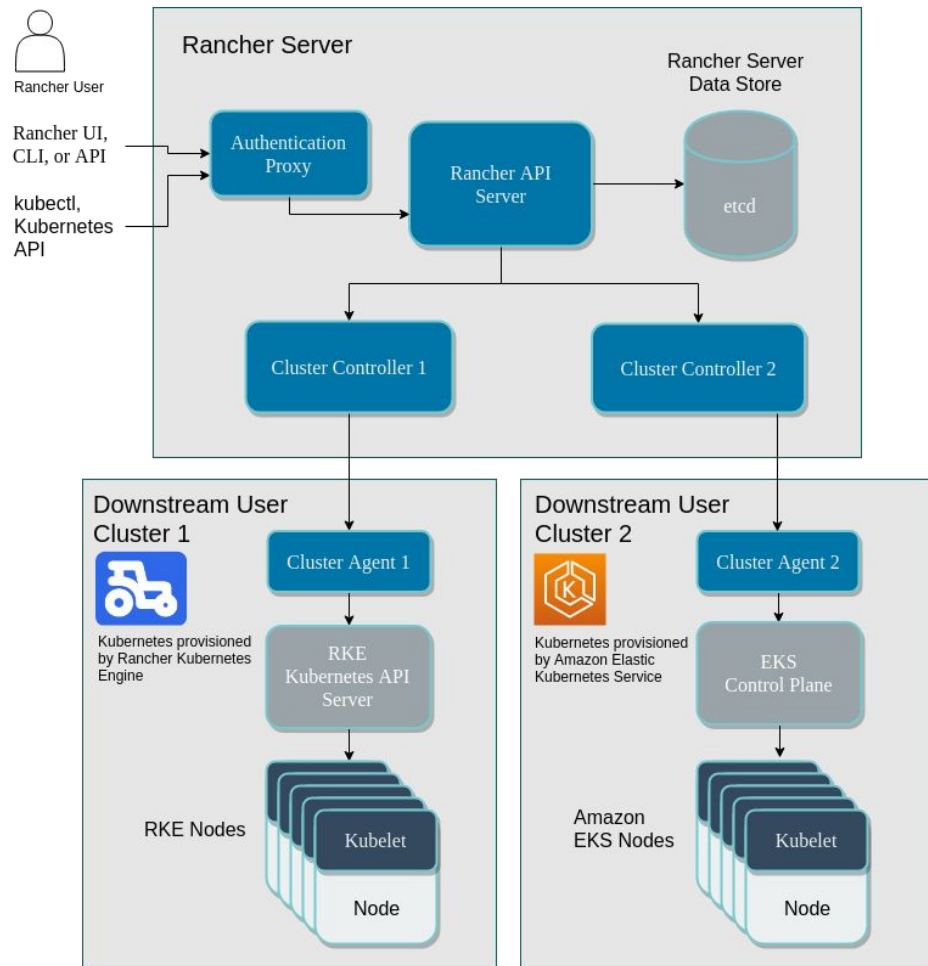
Google Kubernetes Engine



WHY RANCHER?

- 1) Supports multiple providers (AWS, GCP, Azure, Vmware, Baremetal)
- 2) Provision and manage GKE, AKS, and EKS clusters
- 3) Centralized security policy management
- 4) Authentication with OAuth, Active Directory, LDAP and SAML integration
- 5) Centralized security policy management
- 6) Strong options for surviving cluster failures
- 7) Complete UI
- 8) Integrated CI/CD pipelines

RANCHER'S ARCHITECTURE



RANCHER INSTALLATION AND CLUSTER CREATION

We will use terraform and ansible to setup Rancher and create a cluster

<https://github.com/shubhasish/rancher-poc>

DEMO