**Deployment Options**

**Custom Data Center**

**Cloud Provider**

Install + configure everything

on your own

Machines

Kubernetes

Software

Install + configure most

things on your own

Use a managed

service

Create +

connect

machines

Install +

configure

software

Define cluster

architecture

Manually or via kops

etc

Services like AWS EKS

**AWS EKS vs AWS ECS**

**AWS EKS**

*(*

*Elastic Kubernetes Service*

*)*

Managed service for Kubernetes deployments

**AWS ECS**

*(*

*Elastic Container Service*

*)*

Managed service for Container deployments

No AWS-specific syntax or philosophy required

Use standard Kubernetes configurations and resources AWS-specific syntax and philosophy applies

Use AWS-specific configuration and concepts

**AWS EKS Deployment Steps**

Create Cluster + Nodes

Connect

kubectl

to AWS EKS Cluster

kubectl

apply …

Optional: Add additional AWS

resources (e.g. AWS EFS)

**Connecting with Services**

Service

Service

Pod

Pod

Pod

User



**Using Ingress**

Service

Service

Pod

Pod

Pod

User



**Ingress**

SSL

Routing

Load

Balancing