Steps for installing Rancher on an AWS EKS (Elastic Kubernetes Service) cluster.

**Prerequisites:**

1. **Kubectl Installed**: Make sure **kubectl** is installed and configured to interact with your EKS cluster.
2. **Helm Installed**: Rancher is deployed using Helm, so Helm must be installed on your local machine.

**Step 1: Install Cert-Manager**

Rancher requires cert-manager for handling TLS certificates.

1. Add the Helm repository for cert-manager:  
   **# helm repo add jetstack** [**https://charts.jetstack.io**](https://charts.jetstack.io)
2. **Update your Helm repositories**:  
   # helm repo update
3. **Install cert-manager**:  
   # kubectl apply --validate=false -f <https://github.com/jetstack/cert-manager/releases/download/v1.12.0/cert-manager.crds.yaml>  
     
   # helm install cert-manager jetstack/cert-manager --namespace cert-manager --create-namespace --version v1.12.0
4. **Verify the installation**:  
   # kubectl get pods --namespace cert-manager

### **Step 2: Install Rancher**

1. **Add the Rancher Helm chart repository**:  
   # helm repo add rancher-latest <https://releases.rancher.com/server-charts/latest>
2. **Update your Helm repositories**:  
   # helm repo update
3. **Create a namespace for Rancher**:  
   # kubectl create namespace cattle-system
4. **Install Rancher with Helm**:  
   **For production  
    # helm install rancher rancher-latest/rancher --namespace cattle-system --set hostname=<rancher.example.com> --set ingress.tls.source=letsEncrypt --set letsEncrypt.email=<your-email>  
     
   For development** (self-signed certificate):  
   # helm install rancher rancher-latest/rancher --namespace cattle-system --set hostname=<rancher.example.com> --set bootstrapPassword=<password>
5. **Verify the Rancher installation**:  
   # kubectl -n cattle-system rollout status deploy/rancher  
   # kubectl get pods -n cattle-system

For Importing existing EKS clusters

Prerequisite:

1. EKS cluster, Region
2. Access key & Secret Key

Goto Cluster Management > Clink on Import Existing > Fill the details

For importing the aws eks cluster

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For importing the generic Cluster

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