To **create a Kubernetes secret for image credentials** (for pulling images from a private Docker registry or container registry), you use the kubectl create secret docker-registry command.

## **Step-by-Step: Creating an Image Pull Secret**

### **1. Run the Command**

Replace the placeholders with your actual registry and credentials:

kubectl create secret docker-registry regcred \  
 --docker-server=<your-registry-server> \  
 --docker-username=<your-name> \  
 --docker-password=<your-password> \  
 --docker-email=<your-email>

**Example for Docker Hub:**

kubectl create secret docker-registry regcred \  
 --docker-server=https://index.docker.io/v1/ \  
 --docker-username=mydockeruser \  
 --docker-password=mydockerpassword \  
 --docker-email=myemail@example.com

**Example for AWS ECR:**

kubectl create secret docker-registry regcred \  
 --docker-server=<aws\_account\_id>.dkr.ecr.<region>.amazonaws.com \  
 --docker-username=AWS \  
 --docker-password=$(aws ecr get-login-password --region <region>) \  
 --docker-email=any@example.com

### **2. (Optional) Specify a Namespace**

Add -n <namespace> if your pods are in a specific namespace.

kubectl create secret docker-registry regcred \  
 ... \  
 -n dev-env

### **3. Use the Secret in Your Pod/Deployment**

Add the imagePullSecrets field under spec in your Pod or Deployment YAML:

apiVersion: v1  
kind: Pod  
metadata:  
 name: private-reg-pod  
spec:  
 containers:  
 - name: myapp  
 image: <your-private-image>  
 imagePullSecrets:  
 - name: regcred

For **Deployments** (under spec.template.spec):

spec:  
 template:  
 spec:  
 containers:  
 - name: myapp  
 image: <your-private-image>  
 imagePullSecrets:  
 - name: regcred

## **Summary Table**

| Step | Command/Config |
| --- | --- |
| Create secret | kubectl create secret docker-registry ... |
| Use in pod/deployment | imagePullSecrets: - name: regcred in YAML |
| Specify namespace | Add -n <namespace> |

**Let me know if you want a YAML example, or instructions for a specific registry (GCR, ECR, ACR, etc)!**