Lab 20 - POC Clean Up

You have completed the POC! The final step is to clean up the deployed assets and reset the environments back to their original state.

> *Some of the commands here may try and cleanup things that dont exist. This is just to make sure all POC assets were accounted for.*

Clean Up Applications

- Remove the Online Boutique Applications in cluster-1

```
helm uninstall online-boutique \
  --namespace online-boutique \
  --kube-context cluster-1

helm uninstall toys-catalog \
  --namespace online-boutique \
  --kube-context cluster-1
```

- Remove the Online Boutique Applications in cluster-2

```
helm uninstall ha-frontend \
  --namespace online-boutique \
  --kube-context cluster-2

helm uninstall checkout-apis \
  --namespace checkout-apis \
  --kube-context cluster-2
```

- Delete the namespaces

```
kubectl delete namespace online-boutique --context cluster-1

kubectl delete namespace online-boutique --context cluster-2
kubectl delete namespace checkout-apis --context cluster-2
```

Clean up Gloo Addons

- Remove the Gloo Addons

```
helm uninstall gloo-platform-addons \
  --namespace gloo-platform-addons \
  --kube-context cluster-1
```

- Delete the Gloo Addons namespace

```
kubectl delete namespace gloo-platform-addons --context cluster-1
```

Clean Up Istio

- Depending on if Istio was upgraded or not, the following commands may need to be modified.

```
helm ls -n istio-system --kube-context cluster-1
helm ls -n istio-ingress --kube-context cluster-1
helm ls -n istio-eastwest --kube-context cluster-1

helm ls -n istio-system --kube-context cluster-2
helm ls -n istio-eastwest --kube-context cluster-2
```

- Uninstall the gateways in cluster-1

```
helm uninstall istio-eastwestgateway \
  --namespace istio-eastwest \
  --kube-context cluster-1

helm uninstall istio-ingressgateway-1-16 \
  --namespace istio-ingress \
  --kube-context cluster-1

helm uninstall istio-ingressgateway-1-17 \
  --namespace istio-ingress \
  --kube-context cluster-1
```

- Uninstall the control plane in cluster-1

```
helm uninstall istiod-1-16 \
  --namespace istio-system \
  --kube-context cluster-1

helm uninstall istiod-1-17 \
  --namespace istio-system \
  --kube-context cluster-1
```

- Uninstall the gateways in cluster-2

```
helm uninstall istio-eastwestgateway \
  --namespace istio-eastwest \
  --kube-context cluster-2
```

- Uninstall the control plane in cluster-1

```
helm uninstall istiod-1-16 \
  --namespace istio-system \
  --kube-context cluster-2

helm uninstall istiod-1-17 \
```

```
  --namespace istio-system \
  --kube-context cluster-2
```

- Remove the CRDS **NOTE** Make sure other teams are not using Istio on the cluster

```
helm template istio-base istio/base --namespace istio-system --include-crds |
kubectl delete --context cluster-1 -f -

helm template istio-base istio/base --namespace istio-system --include-crds |
kubectl delete --context cluster-2 -f -
```

- Cleanup the namespaces

```
kubectl delete namespace istio-system --context cluster-1

kubectl delete namespace istio-system --context cluster-2
```

Clean Up Gloo Platform

- Remove Agents from workload clusters

```
helm uninstall gloo-agent \
  --namespace gloo-mesh \
  --kube-context cluster-1

helm uninstall gloo-agent \
  --namespace gloo-mesh \
  --kube-context cluster-2
```

- Remove Gloo CRDs

```
helm uninstall gloo-platform-crds \
  --namespace gloo-mesh \
  --kube-context cluster-1

helm uninstall gloo-platform-crds \
  --namespace gloo-mesh \
  --kube-context cluster-2
```

- Delete gloo-mesh namespaces

```
kubectl delete namespace gloo-mesh --context cluster-1

kubectl delete namespace gloo-mesh --context cluster-2
```

- Remove the Workspace namespaces in management cluster

```
kubectl delete namespace ops-team --context management
kubectl delete namespace app-team --context management
kubectl delete namespace checkout-team --context management
```

- Cleanup management cluster

```
helm uninstall jaeger \
  --namespace gloo-mesh \
  --kube-context management

helm uninstall gloo-platform \
  --namespace gloo-mesh \
  --kube-context management

helm uninstall gloo-platform-crds \
  --namespace gloo-mesh \
  --kube-context management
```

- Remove namespace

```
kubectl delete namespace gloo-mesh --context management
```

Optional Deployments

- Cleanup Keycloak

```
kubectl delete namespace keycloak --context cluster-1
```

- Cleanup cert-manager

```
helm uninstall cert-manager \
  --namespace cert-manager \
  --kube-context management

helm uninstall cert-manager \
  --namespace cert-manager \
  --kube-context cluster-1

helm uninstall cert-manager \
  --namespace cert-manager \
  --kube-context cluster-2
```

- Cleanup cert-manager namespace

```
kubectl delete namespace cert-manager --context management
```

- Cleanup Vault

```
helm uninstall vault \
  --namespace vault \
  --kube-context management
```

- Cleanup vault namespace

```
kubectl delete namespace vault --context management
```