Using Helm

Relevant Documentation

- Helm Quickstart Guide

Exam Tips

- Helm Charts are packages that contain all of the resource definitions needed to get an application up and running in a cluster.
- A Helm Repository is a collection of Charts and a source for browsing and downloading them.

Lesson Reference

Log in to the **control plane node**.

Add a Helm chart repository.

```
helm repo add bitnami https://charts.bitnami.com/bitnami
```

Update the repository.

```
helm repo update
```

View a list of charts available in the repository.

```
helm search repo bitnami
```

Create a Namespace.

```
kubectl create namespace dokuwiki
```

Install a chart.

```
helm install --set persistence.enabled=false -n dokuwiki dokuwiki bitnami/dokuwiki
```

View some of the objects created by the Helm install.

```
kubectl get pods -n dokuwiki

kubectl get deployments -n dokuwiki

kubectl get svc -n dokuwiki
```

Uninstall the release and delete the Namespace to clean up.

```
helm uninstall —n dokuwiki dokuwiki

kubectl delete namespace dokuwiki
```