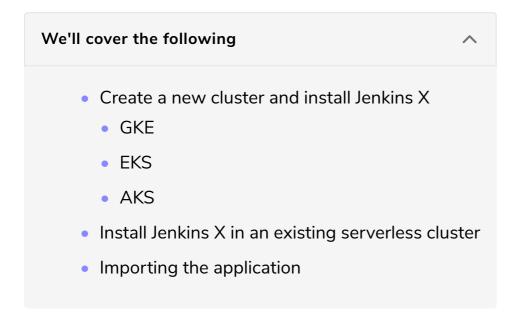
# Creating a Kubernetes Cluster with Jenkins X and Importing App

This lesson provides the link to gists that you can use to create a Kubernetes cluster with Jenkins X. Moreover, it also gives some steps to follow before we continue with the chapter.



If you kept the cluster from the previous chapter, you can skip this section. Otherwise, we'll need to create a new Jenkins X cluster.

All the commands from this chapter are available in the 14-upgrade.sh Gist.

### Create a new cluster and install Jenkins X #

For your convenience, the Gists from the previous chapter are available below as well.

**GKE**#

Create a new serverless **GKE** cluster: gke-jx-serverless.sh



#### EKS #

Create a new serverless **EKS** cluster: eks-jx-serverless.sh



#### AKS #

Create a new serverless **AKS** cluster: aks-jx-serverless.sh



## Install Jenkins X in an existing serverless cluster #

Use an existing serverless cluster: install-serverless.sh

- Create a new static **GKE** cluster: gke-jx.sh
- Create a new serverless **GKE** cluster: gke-jx-serverless.sh
- Create a new static EKS cluster: eks-jx.sh
- Create a new serverless **EKS** cluster: eks-jx-serverless.sh
- Create a new static AKS cluster: aks-jx.sh
- Create a new serverless AKS cluster: aks-jx-serverless.sh
- Use an existing static cluster: install.sh
- Use an existing serverless cluster: install-serverless.sh

## Importing the application #

The commands that follow will reset your *go-demo-6* master branch with the contents of the branch that contain all the changes we did so far. Please

execute them only if you are unsure whether you did all the exercises correctly.

Depending on whether you're using static or serverless Jenkins X flavor, we'll need to restore one branch or the other. The commands that follow will restore extension-model-jx if you are using static Jenkins X, or extension-model-cd if you prefer the serverless flavor.

If you destroyed the cluster at the end of the previous chapter, you'll need to import the *go-demo-6* application again. Please execute the commands that follow only if you created a new cluster specifically for the exercises from this chapter.

```
cd go-demo-6

jx import --pack go --batch-mode

cd ..
```

Now we are ready to talk about validating upgrades and backing up clusters.