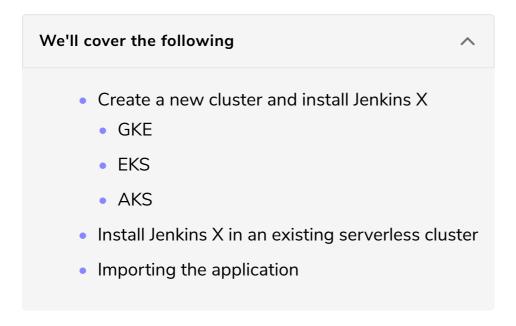
# Creating a Kubernetes Cluster with Jenkins X and Importing App

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.



You can skip this section if you kept the cluster from the previous chapter and it contains **serverless Jenkins X**. Otherwise, we'll need to create a new Jenkins X cluster.

All the commands from this chapter are available in the 15-advanced-pipelines.sh Gist.

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

For your convenience, the Gists that will create a new serverless Jenkins X cluster or install it inside an existing one are as follows.

**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

## Importing the application #

The commands that follow will reset your *go-demo-6* master with the contents of the extension-model-cd branch that contains all the changes we did so far. Please execute them only if you are unsure whether you did all the exercises correctly.

```
cd go-demo-6

git pull

git checkout extension-tekton

git merge -s ours master --no-edit

git checkout master
```

```
git push

cd ..
```

If you ever restored a branch at the beginning of a chapter, the chances are that there is a reference to my user (vfarcic). We'll change that to the Google project since that's what Knative will expect as the location of the container images.

Please execute the commands that follow only if you are using **GKE** and if you ever restored a branch at the beginning of a chapter (like in the snippet above).

```
cd go-demo-6
cat charts/go-demo-6/Makefile \
    | sed -e \
    "s@vfarcic@$PROJECT@g" \
    sed -e \
    "s@devops-26@$PROJECT@g" \
    tee charts/go-demo-6/Makefile
cat charts/preview/Makefile \
    sed -e \
    "s@vfarcic@$PROJECT@g" \
    | sed -e \
    "s@devops-26@$PROJECT@g" \
    | tee charts/preview/Makefile
cat skaffold.yaml \
    sed -e \
    "s@vfarcic@$PROJECT@g" \
    | sed -e \
    "s@devops-26@$PROJECT@g" \
    | tee skaffold.yaml
cd ..
```

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.

```
jx import --pack go --batch-mode
cd ..
```

Now we are ready to continue.