

# 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.

## We'll cover the following

- Create a new cluster and install Jenkins X
  - GKE
  - EKS
  - AKS
- Install Jenkins X in an existing serverless cluster
- Before we get started

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 [10-versioning.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](#)

## Before we get started #

We'll continue using the *go-demo-6* application. Please enter the local copy of the repository, unless you're there already.

```
cd go-demo-6  
git checkout master
```



 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).

```
cat charts/go-demo-6/Makefile \  
| sed -e \  
"s@vfancic@PROJECT@g" \  
| sed -e \  
"s@jx@jx-1.0.0@"
```



```

| 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

```



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 --batch-mode

jx get activities \
  --filter go-demo-6 \
  --watch

cd ..

```



Please wait until the activity of the application shows that all the steps were executed successfully, and stop the watcher by pressing *ctrl+c*.

Now we can promote our last release to production. In the next lesson, we will check out versioning releases through tags.