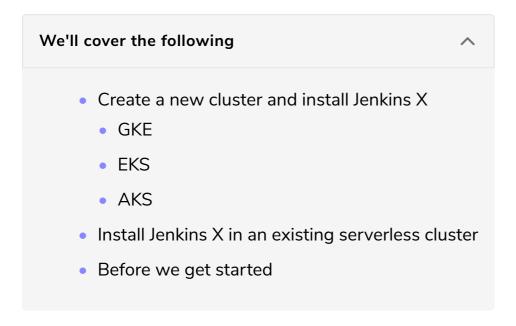
Creating a Kubernetes Cluster with Jenkins X and Importing App

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 09-promote.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

The commands that follow will reset your master with the contents of the pr 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.



```
git checkout master
git merge pr-tekton
git push
```

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@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
```

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
```

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.	