**Other components**

In this lab exercise, we'll deploy the rest of the sample application efficiently using the power of Kustomize. The following kustomization file shows how you can reference other kustomizations and deploy multiple components together:

~/environment/eks-workshop/base-application/kustomization.yaml

apiVersion: kustomize.config.k8s.io/v1beta1  
kind: Kustomization  
resources:  
- rabbitmq  
- catalog  
- carts  
- checkout  
- assets  
- orders  
- ui  
- other

TIP

Notice that the catalog API is in this kustomization, didn't we already deploy it?

Because Kubernetes uses a declarative mechanism we can apply the manifests for the catalog API again and expect that because all of the resources are already created Kubernetes will take no action.

Apply this kustomization to our cluster to deploy the rest of the components:

~$kubectl apply -k ~/environment/eks-workshop/base-application

After this is complete we can use kubectl wait to make sure all the components have started before we proceed:

~$kubectl wait --for=condition=Ready --timeout=180s pods \

-l app.kubernetes.io/created-by=eks-workshop -A

We'll now have a Namespace for each of our application components:

~$kubectl get namespaces -l app.kubernetes.io/created-by=eks-workshop

NAME STATUS AGE

assets Active 62s

carts Active 62s

catalog Active 7m17s

checkout Active 62s

orders Active 62s

other Active 62s

rabbitmq Active 62s

ui Active 62s

We can also see all of the Deployments created for the components:

~$kubectl get deployment -l app.kubernetes.io/created-by=eks-workshop -A

NAMESPACE NAME READY UP-TO-DATE AVAILABLE AGE

assets assets 1/1 1 1 90s

carts carts 1/1 1 1 90s

carts carts-dynamodb 1/1 1 1 90s

catalog catalog 1/1 1 1 7m46s

checkout checkout 1/1 1 1 90s

checkout checkout-redis 1/1 1 1 90s

orders orders 1/1 1 1 90s

orders orders-mysql 1/1 1 1 90s

ui ui 1/1 1 1 90s

The sample application is now deployed and ready to provide a foundation for us to use in the rest of the labs in this workshop!

TIP

If you want to understand more about Kustomize take a look at the [optional module](https://www.eksworkshop.com/docs/introduction/kustomize/) provided in this workshop.