

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](#) provided in this workshop.