Daemonset

A daemon set ensures that all nodes run a copy of a specific pod. As nodes are added to the cluster, pods are added to them as well. Example of a daemon set would be running your logging or monitoring agent on all of your nodes.

After running appropriate commands We notice that we have the example daemon set up and running and it's desired, current, ready, up to date, and available. If we look at our pods, you'll notice that we have a pod running – this indicates that its working as expected.

Statefulset

Stateful sets manage the deployment and scaling for a set of pods, and provide guarantees about the ordering and the uniqueness of these pods. But unlike a deployment, a stateful set manages the sticky identity for each of these pods

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Administrator. Windows PowerShell

PS C:\Users\msuban01\Desktop\kube\Exercise\05_06_daemonset_statefulsets> kubectl create -f statefulset.yaml
service/zk-hs created
service/zk-cs created
warning: policy/vlbeta1 PodDisruptionBudget is deprecated in v1.21+, unavailable in v1.25+; use policy/v1 PodDisruptionBudget
poddisruptionbudget.policy/zk-pdb created
statefulset.apps/zk created
PS C:\Users\msuban01\Desktop\kube\Exercise\05_06_daemonset_statefulsets> kubectl get statefulsets
NAME READY AGE
zk 0/3 20s
PS C:\Users\msuban01\Desktop\kube\Exercise\05_06_daemonset_statefulsets> kubectl get pods
NAME READY STATUS RESTARTS AGE
example-daemonset-585fc 1/1 Running 0 10m
zk-0 1/1 Running 0 53s
PS C:\Users\msuban01\Desktop\kube\Exercise\05_06_daemonset_statefulsets> kubectl get pods
NAME READY STATUS RESTARTS AGE
example-daemonset-585fc 1/1 Running 0 11s
PS C:\Users\msuban01\Desktop\kube\Exercise\05_06_daemonset_statefulsets> kubectl get pods
NAME READY STATUS RESTARTS AGE
example-daemonset-585fc 1/1 Running 0 10m
zk-0 1/1 Running 0 10m
zk-0 1/1 Running 0 44s
PS C:\Users\msuban01\Desktop\kube\Exercise\05_06_daemonset_statefulsets>
```