

Summary

- Many resources in Kubernetes and RHOCP create or affect pods.
- Resources are created imperatively or declaratively. The imperative strategy instructs the cluster what to do. The declarative strategy defines the state that the cluster matches.
- The `oc new-app` command creates resources that are determined via heuristics.
- A deployment is the main way to deploy an application in RHOCP.
- The workload API includes several resources to create pods. The choice between resources depends on for how long and how often the pod needs to run.
- A job resource executes a one-time task on the cluster via a pod. The cluster retries the job until it succeeds, or it retries a specified number of attempts.
- Resources are organized into projects and are selected via labels.
- A route connects a public-facing IP address and a DNS hostname to an internal-facing service IP address. Services provide network access between pods, whereas routes provide network access to pods from users and applications outside the RHOCP cluster.