



API OBJECTS

API Objects

Deploying an Application

Using the **kubectl create** command, we can quickly deploy an application. We have looked at the Pods created running the application, like nginx. Looking closer, you will find that a Deployment was created, which manages a ReplicaSet, which then deploys the Pod.

Let's take a closer look at each object. Click on each box for more details.

Objects

Deployment Close ^

It is a controller which manages the state of ReplicaSets and the pods within. The higher level control allows for more flexibility with upgrades and administration. Unless you have a good reason, use a deployment.

ReplicaSet Close ^

Orchestrates individual pod lifecycle and updates. These are newer versions of Replication Controllers, which differ only in selector support.

Pod Close ^

As we've already mentioned, it is the lowest unit we can manage; it runs the application container, and possibly support containers.