**Imperative Commands**

--dry-run: The resource will be created. If you simply want to test your command use the --dry-run=client option. This will not create the resource, instead, tell you whether the resource can be created and if your command is right.

-o yaml: This will output the resource definition in YAML format on screen.

**POD**

**Create an NGINX Pod**

kubectl run nginx --image=nginx

**Generate POD Manifest YAML file (-o yaml). Don't create it(--dry-run)**

kubectl run nginx --image=nginx --dry-run=client -o yaml

**Deployment**

**Create a deployment**

kubectl create deployment --image=nginx nginx

**Generate Deployment YAML file (-o yaml). Don't create it(--dry-run)**

kubectl create deployment --image=nginx nginx --dry-run -o yaml

**Generate Deployment with 4 Replicas**

kubectl create deployment nginx --image=nginx --replicas=4

**Another way to do this is to save the YAML definition to a file and modify**

kubectl create deployment nginx --image=nginx--dry-run=client -o yaml > nginx-deployment.yaml

**Service**

**Create a Service named nginx of type NodePort to expose pod nginx's port 80 on port 30080 on the nodes:**

kubectl expose pod nginx --port=80 --name nginx-service --type=NodePort --dry-run=client -o yaml

(This will automatically use the pod's labels as selectors, [but you cannot specify the node port](https://github.com/kubernetes/kubernetes/issues/25478). You have to generate a definition file and then add the node port in manually before creating the service with the pod.)