



Kubernetes manifest

A manifest defines the desired state for Kubernetes resources, such as Pods, Deployments, Services, etc., in a declarative manner.

Original command

```
kubectl run nginx --image=nginx --port=80
```



Manifest

```
apiVersion: v1
kind: Pod
metadata:
  name: nginx
spec:
  containers:
  - name: nginx
    image: nginx
    ports:
    - containerPort: 80
```



Breaking down the manifest





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```
kind: Pod
metadata:
  name: nginx
spec:
  containers:
  - name: nginx
    image: nginx
    ports:
    - containerPort: 80
```

When was 'Pod' introduced as a k8s construct

What we're starting

name for the pod

First container to start inside the pod

Port on which the pod will listen for incoming requests

Applying the manifest

```
kubectl apply -f manifest.yml
```



Delete the pod

```
kubectl delete pod nginx
```

