



## APIS AND ACCESS

## APIs and Access

### Simple Pod

As discussed earlier, a Pod is the lowest compute unit and individual object we can work with in Kubernetes. It can be a single container, but often, it will consist of a primary application container and one or more supporting containers.

Below is an example of a simple pod manifest in YAML format. You can see the **apiVersion** (it must match the existing API group), the **kind** (the type of object to create), the **metadata** (at least a name), and its **spec** (what to create and parameters), which define the container that actually runs in this pod:

```
apiVersion: v1
kind: Pod
metadata:
  name: firstpod
spec:
  containers:
  - image: nginx
    name: stan
```

You can use the **kubectl create** command to create this pod in Kubernetes. Once it is created, you can check its status with **kubectl get pods**. The output is omitted to save space:

```
$ kubectl create -f simple.yaml

$ kubectl get pods

$ kubectl get pod firstpod -o yaml

$ kubectl get pod firstpod -o json
```