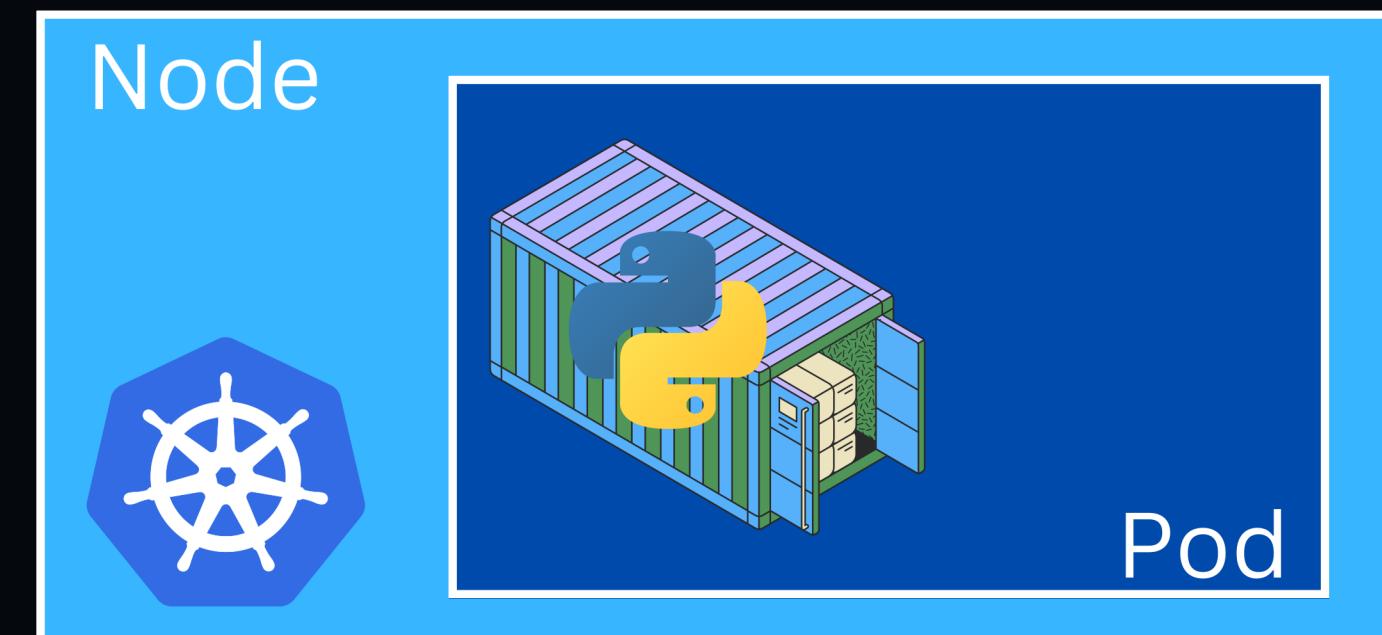


POD

- <https://kubernetes.io/docs/concepts/workloads/pods/>
- Pods are **the smallest deployable units of computing** that you can create and manage in Kubernetes.
- A group of **one or more containers** with **shared storage** and **network resources**, and a **specification** for how to run the containers
- It contains one or more application containers which are **relatively tightly coupled**



USING POD



```
1 apiVersion: v1
2 kind: Pod
3 metadata:
4   name: nginx
5 spec:
6   containers:
7     - name: nginx
8       image: nginx:1.14.2
9     ports:
10      - containerPort: 80
```



```
1 kubectl apply -f https://k8s.io/examples/pods/simple-pod.yaml
2
```

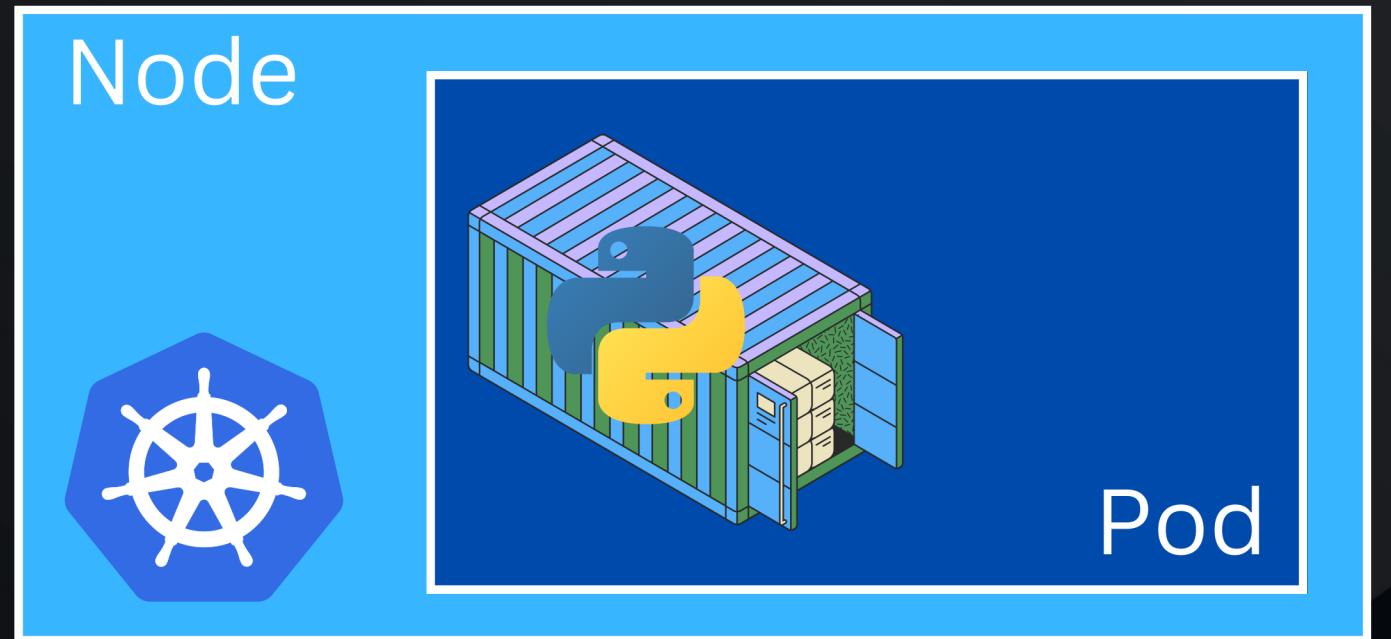


```
1 # checking pod status
2 kubectl get pod
```



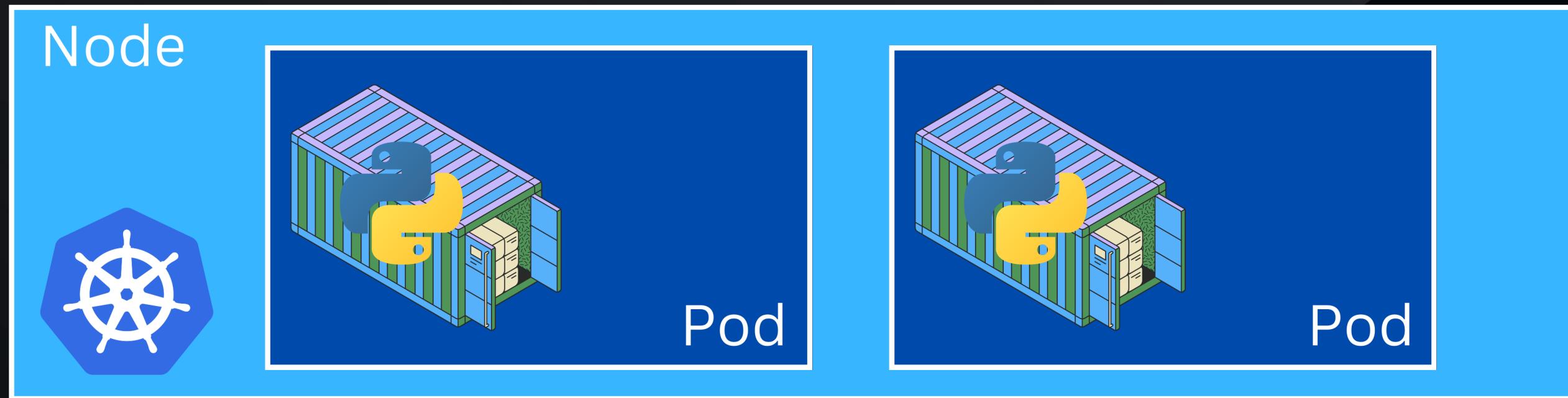
SCALING OUT

- More traffic? No problem



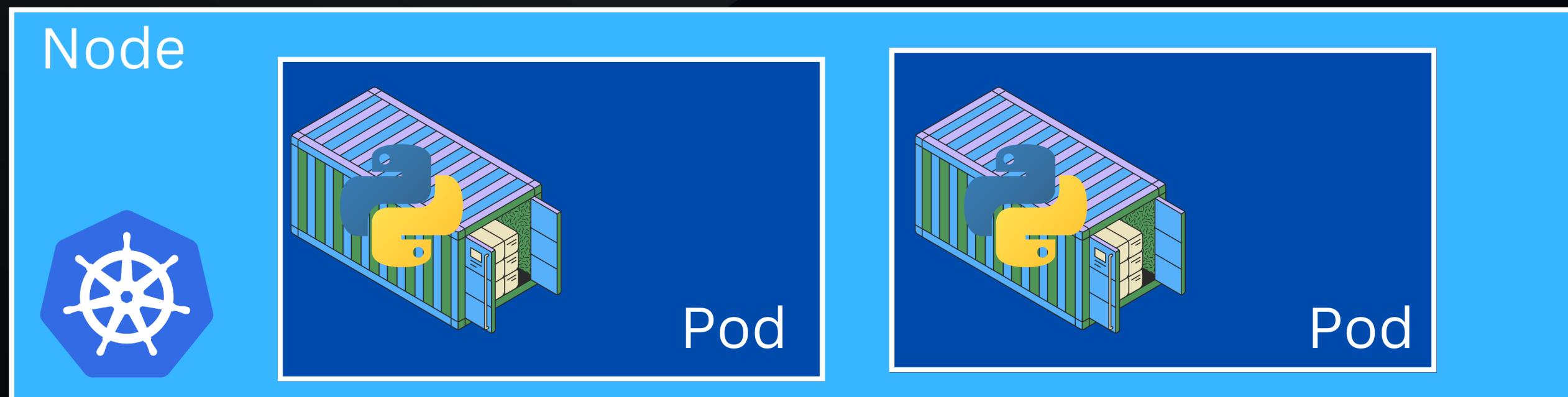
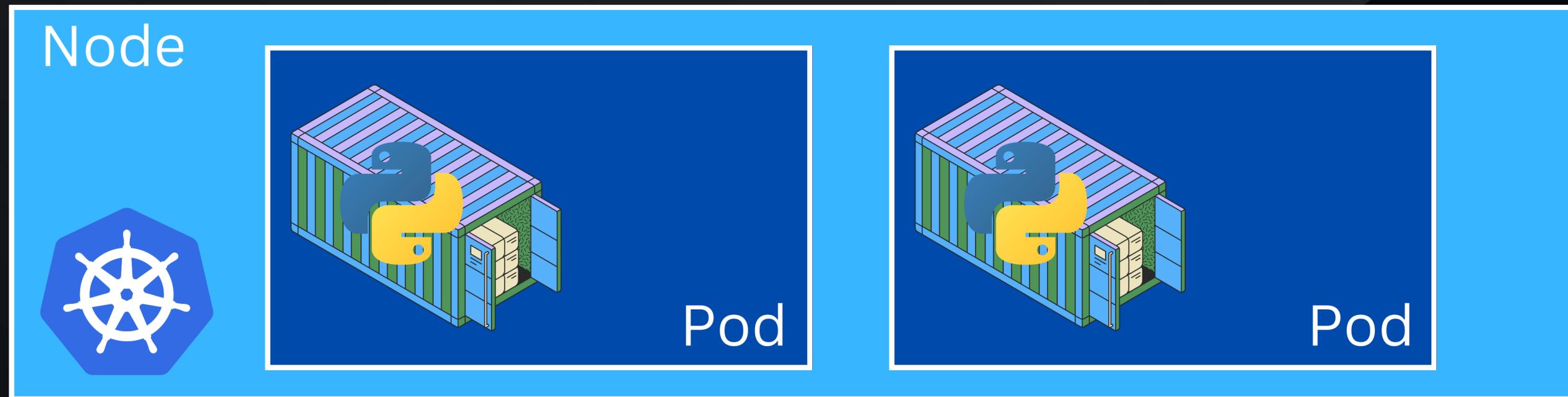
SCALING OUT

- More traffic? No problem
- Add more pod in the node



SCALING OUT

- More traffic? No problem
- Add more node with pods



MULTI-CONTAINER IN THE POD

- You can have more than one container in the pod

