

# kubernetes developer cheatSheet

## Core resources

- Pods
  - smallest object of the kubernetes object model
  - environment for containers
  - lives and die; but never comes back to life
  - pod containers share the same Network namespace (IP/port)
- Deployments
- Services
- Storage
- ConfigMaps and Secrets

## Pods kubectl

Run the nginx:alpine container in a Pod

```
kubectl run <pod name> --image=nginx:alpine
```

List only Pods (all namespaces)

```
kubectl get pods -A
```

List all resources

```
kubectl get all
```

Expose a pod's port to localhost

```
kubectl port-forward <pod name> 8080:80
```

ssh into a pod

```
kubectl exec <pod name> -it sh
```

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Last compilation : January 31, 2023