

kubectl Cheat Sheet

Basic Commands

- `kubectl version`
Show client and server versions.
- `kubectl cluster-info`
Display cluster info.
- `kubectl get nodes`
List all nodes.
- `kubectl get pods`
List all pods in current namespace.
- `kubectl get pods -A`
List all pods in all namespaces.
- `kubectl describe pod <pod>`
Show details of a pod.

Resource Management

- `kubectl create -f <file>.yaml`
Create resource from file.
- `kubectl apply -f <file>.yaml`

Apply changes from file.

- `kubectl delete -f <file>.yaml`
Delete resource from file.
- `kubectl edit <resource>/<name>`
Edit resource in place.
- `kubectl scale deployment <name> --replicas=3`
Scale deployment.
- `kubectl rollout restart deployment <name>`
Restart a deployment

Logs & Exec

- `kubectl logs <pod>`
Show pod logs.
- `kubectl logs -f <pod>`
Follow pod logs.
- `kubectl exec -it <pod> -- /bin/sh`
Exec into pod.
- `kubectl port-forward <pod> 8080:80`
Forward port.

Namespaces

- `kubectl get ns`
List namespaces.
- `kubectl config set-context --current --namespace=<ns>`
Set default namespace.

Useful Switches

- `-n <namespace>`
Specify namespace.
- `-o yaml`
Output as YAML.
- `-o json`
Output as JSON.
- `-o wide`
More info in output.
- `-A | --all-namespaces`
All namespaces.