





# Kubernetes to Nomad Cheat Sheet



## Kubernetes to Nomad Commands

	 Kubernetes	 Nomad
Print the logs for a container in a pod or specified resource	<code>kubectl logs {pod_identifier}</code>	<code>nomad alloc logs {allocation}</code>
Get high fidelity information about a cluster resource	<code>kubectl describe {resource} {resourceId}</code>	<code>nomad status {identifier}</code>
Create a resource	<code>kubectl {create   apply} -f {file}</code>	<code>nomad job run {file}</code>
Stop a resource	<code>kubectl delete {resource}</code>	<code>nomad job stop -purge {job}</code>
Forward a port locally to your machine	<code>kubectl port-forward {options}</code>	<i>No direct equivalent. See <a href="https://hashi.co/nomad-port-fwd">hashi.co/nomad-port-fwd</a></i>
View the machines running in the cluster	<code>kubectl get nodes</code>	<code>nomad node status</code>
View the running instances of compute	<code>kubectl get pods</code>	<code>nomad status {identifier}</code>
View the documentation for objects	<code>kubectl explain {resource}</code>	<i>No equivalent.</i>
Edit API resources in an editor	<code>kubectl edit {resource}</code> <i>(Via CLI)</i>	<i>Edit Jobs in Nomad UI.</i>
Execute a command in a container	<code>kubectl exec</code>	<code>nomad alloc exec</code>
Create example workload	<code>kubectl create deployment --image redis example -o yaml --dry-run=client</code>	<code>nomad job init</code>
Open UI for object	<i>No direct equivalent. (Kubernetes Dashboard is an optionally available add-on.)</i>	<code>nomad ui {identifier}</code>

## Kubernetes to Nomad Concepts

 Kubernetes	 Nomad
Daemon set	System Job
Replica set	Service Job
Pod	Allocation
kubelet	Client Agent (or just "Client")
Node	Node (or sometimes "Client" as they map 1:1)
Job	Batch Job
CronJob	Periodic Batch Job