



APIS AND ACCESS

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Namespaces

The term *namespace* is used to reference both the kernel feature and the segregation of API objects by Kubernetes. Both are means to keep resources distinct.

Every API call includes a namespace, using **default** if not otherwise declared:

`https://10.128.0.3:6443/api/v1/namespaces/default/pods`

Namespaces, a Linux kernel feature that segregates system resources, are intended to isolate multiple groups and the resources they have access to work with via quotas. Eventually, access control policies will work on namespace boundaries, as well. One could use labels to group resources for administrative reasons.

There are four namespaces when a cluster is first created. Click on the cards below to learn more about each of the four namespaces.

default



kube-node-lease



kube-public



kube-system



Should you want to see all the resources on a system, you must pass the **--all-namespaces** option to the **kubectl** command.

