



Create a New Project with Dedicated Namespaces

Lab 24



What are you Learning?

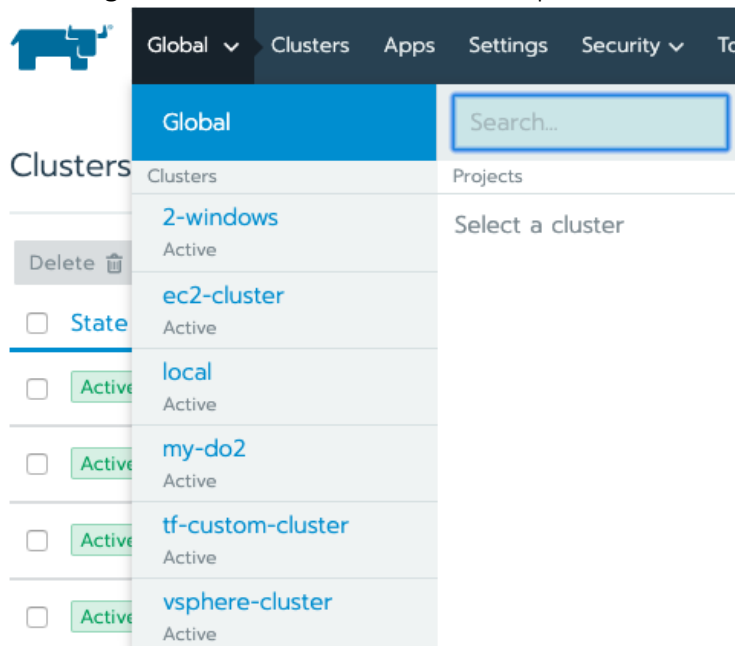
You will learn how to create a new project in Rancher, and associate namespaces with that project.

Why is it important?

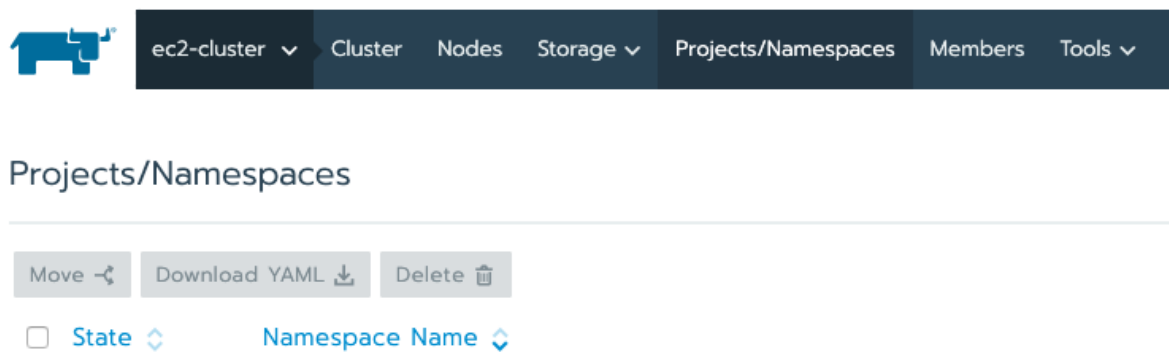
Namespaces are a frequently used construct in Kubernetes to keep applications separate from each other. Projects make namespaces more manageable by allowing you to apply policy and configuration to multiple namespaces at once.

Creating a Project and Associating a Namespace

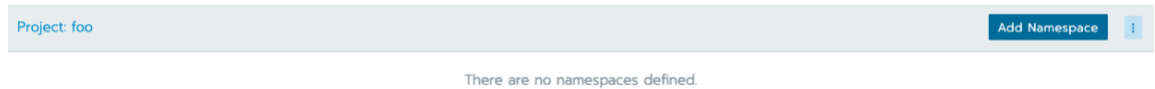
1. In the Rancher UI Navigate to the cluster you would like to use for this exercise by selecting it from a list of clusters in the top left Menu



2. The top menu bar now reflects the available options in the cluster context. Select "Projects/Namespaces" from the top menu



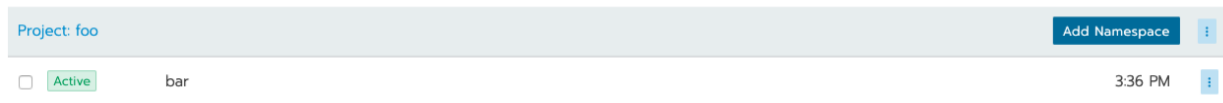
- Now from this page, you can select “Create Project” button near the top right of the screen.
- In the next page, give the project a name, and leave the rest of the settings as default for now. This is where you could define a variety of parameters that might affect the namespaces you choose to associate it with.
- Once the project is created, you’ll be redirected back to the “Projects/Namespaces” page where you can see the newly created project in the list. Notice the “Add Namespace” button near this section of the page, select it to add a namespace



- Give your namespace a name that reflects its purpose within the cluster.

Testing That It Works

Once you are done, you should see a project and a namespace listed underneath it.



To test this works, try going to the workloads page and launching a deployment in the new namespace.

Deploy Workload

Name *

Workload Type

Scalable deployment of 1 pod

Docker Image *

Choose a Namespace...

✓ bar

Port Mapping

+ Add Port

References

- Overview of Projects - <https://rancher.com/docs/rancher/v2.x/en/cluster-admin/projects-and-namespaces/>