



Custom Catalogs

Lab 36



What are you learning?

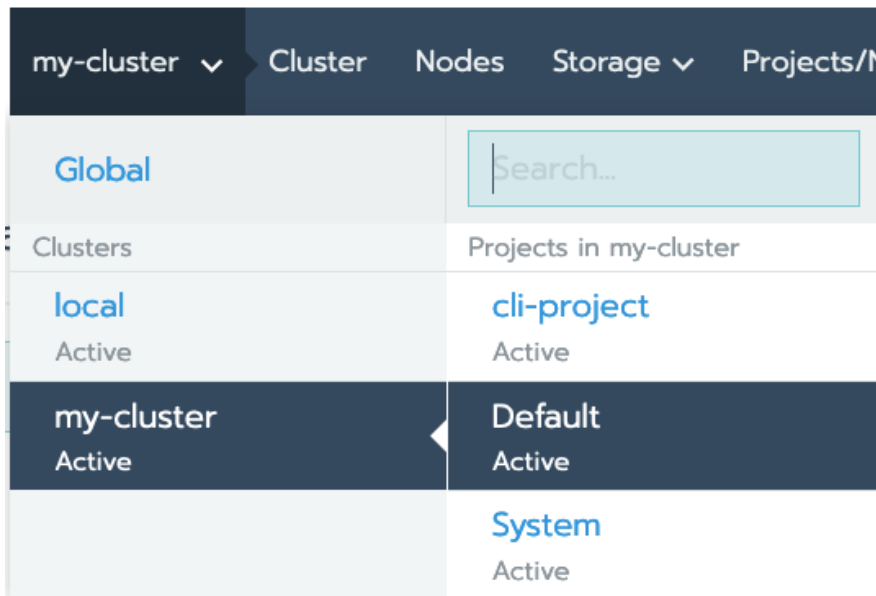
In this lab you'll learn about [adding catalogs](#) at various scopes within Rancher. You'll create a catalog at the project scope, the cluster scope, and the global scope.

Why is it important?

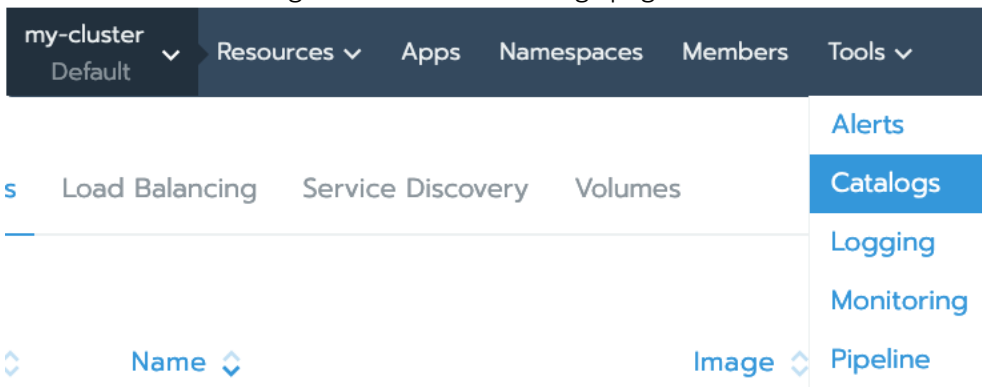
Catalogs point to existing [Helm repositories](#) (public or [private](#)) or [Git repositories](#) (public or [private](#)) containing Helm charts. These catalogs form the collection of Apps available to install at a global or project level, giving an alternative to managing Helm releases when dealing with Kubernetes packages.

Adding a project-scoped Catalog

1. Navigate to the project where you want to add the catalog.



2. Choose Tools > Catalogs to access the catalogs page.



3. Determine which repository to add. Some options include...
 - <https://charts.jetstack.io>

- <https://charts.helm.sh/stable>
 - <https://charts.helm.sh/incubator>
- Click Add Catalog.

Add Catalog

- Enter the name, URL, branch, scope, and Helm version of the target repository.

Add Catalog

Name

incubator

Catalog URL

<https://kubernetes-charts-incubator.storage.googleapis.com>

☐ Use private catalog

Branch

master

Scope

project

Helm Version

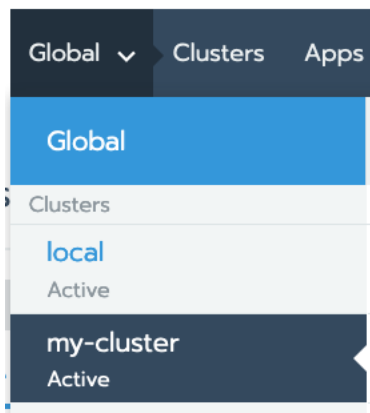
Helm v3

- Click Create.

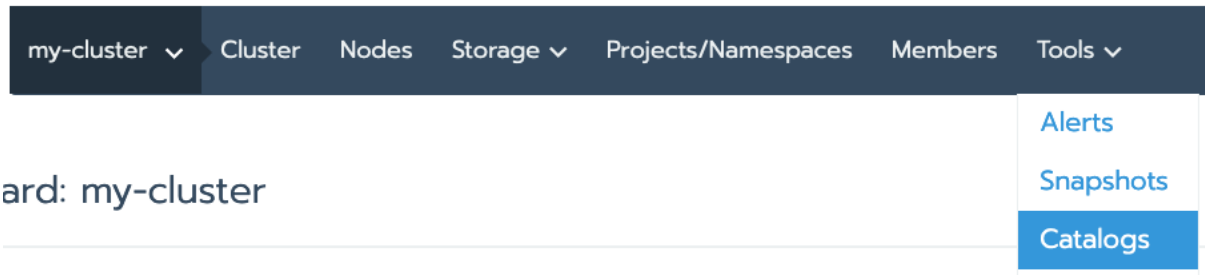
Create

Adding a cluster-scoped Catalog

- Navigate to the cluster where you want to add the catalog.



- Choose Tools > Catalogs to access the catalogs page.



- Determine which repository to add. Some options include...

- <https://charts.jetstack.io>
- <https://charts.helm.sh/stable>
- <https://charts.helm.sh/incubator>

- Click Add Catalog.



- Enter the name, URL, branch, scope, and Helm version of the target repository.

Add Catalog

Name

stable

Catalog URL

<https://kubernetes-charts.storage.googleapis.com>

☐ Use private catalog

Branch Scope Helm Version

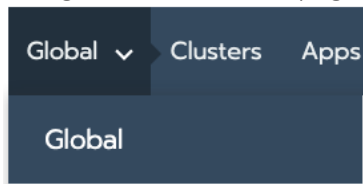
master cluster Helm v3

- Click Create.

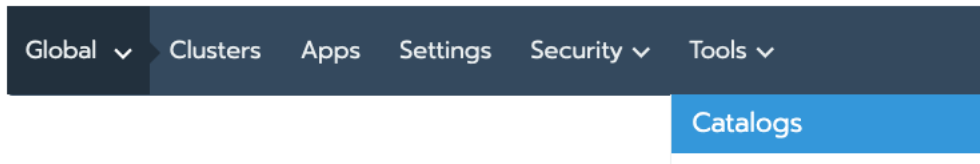


Adding a global Catalog

- Navigate to the Global page.



- Choose Tools > Catalogs to access the catalogs page.



- Determine which repository to add. Some options include...

- <https://charts.jetstack.io>
- <https://charts.helm.sh/stable>
- <https://charts.helm.sh/incubator>

- Click Add Catalog.



- Enter the name, URL, branch, scope, and Helm version of the target repository.

Add Catalog

Name

jetstack

Catalog URL

<https://charts.jetstack.io>

☐ Use private catalog

Branch Scope Helm Version

master global Helm v3

Create Cancel

- Click Create.



Testing That It Works

The new project-level catalog will appear only in the project's list of catalogs. The catalog added at the cluster level will appear in the cluster's list of catalogs as well as in all of its child projects' catalog lists. The new global catalog will appear in all catalog lists, including all projects in all clusters.

References

- Rancher Catalogs - <https://rancher.com/docs/rancher/v2.x/en/catalog/>
- Adding Catalogs - <https://rancher.com/docs/rancher/v2.x/en/catalog/adding-catalogs/>
- Rancher Catalog config reference - <https://rancher.com/docs/rancher/v2.x/en/catalog/catalog-config/>