Helm Kubernetes package manager

CONCEPTS

A chart is the package, a release is one installation of it. Each upgrade creates a new numbered revision.

Repository chart index
↓ `helm pull / install`
Chart + values templates
↓ `helm template`
Manifests rendered YAML
↓ `helm install`
Release revisions in cluster

Helm uses your current kubectl context. Add -n <namespace> to every command, or releases land in the default namespace.

REPOSITORIES

`helm repo add` *`<name> <url>`*
Add a chart repository

`helm repo update`
Refresh local chart indexes

`helm search repo` *`<keyword>`*
Search added repositories

INSPECT CHARTS

`helm show values` *`<chart>`*
Print the default values

INSTALL

`helm install` *`<release> <chart>`*
Install a chart as a release

`helm install` *`<release> <chart>`* **`-n`** *`<ns>`* **`--create-namespace`**
Install into a new namespace

`helm install` *`<release> <chart>`* **`-f`** *`<values.yaml>`*
Install with a values file

`helm install` *`<release> <chart>`* **`--set`** *`<key>=<val>`*
Override a single value

`helm install` *`<release> <chart>`* **`--version`** *`<ver>`*
Pin the chart version

`helm install` *`<release> <chart>`* **`--wait --timeout 5m`**
Wait until resources are ready

RELEASES

`helm list`
List releases in this namespace

`helm list -A`
List releases in all namespaces

`helm status` *`<release>`*
Show release status and notes

`helm get values` *`<release>`*
Values you supplied

`helm history` *`<release>`*
List revisions of a release

UPGRADE & ROLLBACK

`helm upgrade` *`<release> <chart>`* **`-f`** *`<values.yaml>`*
Upgrade with a values file

`helm upgrade --install` *`<release> <chart>`*
Install or upgrade in one command

`helm upgrade` *`<release> <chart>`* **`--set`** *`<key>=<val>`*
Change one value

`helm rollback` *`<release>`*
Roll back to the previous revision

`helm rollback` *`<release> <revision>`*
Roll back to a given revision

`helm uninstall` *`<release>`*
Remove a release

TEMPLATING & DEBUG

`helm template` *`<release> <chart>`* **`-f`** *`<values.yaml>`*
Render manifests locally

`helm template` *`<release> <chart>`* **`-s templates/`***`<file>`*
Render a single template

`helm lint` *`<chart-dir>`*
Check a chart for problems

Values precedence (low to high)

Source	Wins over
`chart values.yaml`	nothing
`-f file`	chart defaults
`later -f file`	earlier -f
`--set`	all files