

Helm Cheat Sheet



Helm

Helm is the package manager for Kubernetes. See <https://helm.sh/docs/intro/install/> for installation instructions.

Global flags

Flag	Description
<code>--kube-context <name></code>	Name of the Kubernetes context to use
<code>--namespace <name></code>	Namespace to use for this operation

Repository management

Command	Description
<code>helm repo add <name> <url></code>	Add a repository
<code>helm repo list</code>	List all added repositories
<code>helm repo update</code>	Update the local cache of available charts
<code>helm repo remove <name></code>	Remove a repository
<code>helm search repo</code>	List all charts in the repositories
<code>helm search repo <keyword></code>	Search for a chart in the repositories

Installing Helm charts

Command	Description
<code>helm install <name> <chart></code>	Install a chart with a name
<code>helm install <chart> --generate-name</code>	Install a chart, auto-generating a name
<code>helm install <name> <chart> --namespace <namespace></code>	Install a chart in a specific namespace
<code>helm install <name> <chart> --set <key>=<value></code>	Install a chart with specific values
<code>helm install <name> <chart> --values <file></code>	Install a chart using a values file
<code>helm install <name> <chart> --dry-run --debug</code>	Run a test installation to validate the chart
<code>helm install <name> <chart> --verify</code>	Verify the package before installing
<code>helm install <name> <chart> --dependency-update</code>	Update dependencies before installing
<code>helm uninstall <name></code>	Uninstall a release
<code>helm uninstall <name> --keep-history</code>	Uninstall a release, keeping the history

Listing releases

Command	Description
<code>helm list</code>	List all releases in the current namespace
<code>helm list --all-namespaces</code>	List all releases in all namespaces
<code>helm list -l <label>=<value></code>	List releases with a specific label
<code>helm list --date</code>	List releases sorted by date
<code>helm list --(pending failed uninstalled)</code>	List releases that are in a pending/failed/uninstalled state
<code>helm status <name></code>	Show the status of a release

Managing releases

Command	Description
<code>helm upgrade <name> <chart></code>	Upgrade a release
<code>helm upgrade <name> <chart> --atomic</code>	Upgrade a release atomically
<code>helm upgrade <name> <chart> --dependency-update</code>	Upgrade a release and update dependencies
<code>helm upgrade <name> <chart> --version <version></code>	Upgrade a release to a specific version
<code>helm upgrade <name> <chart> --set <key>=<value></code>	Upgrade a release with specific values
<code>helm rollback <release> <revision></code>	Rollback a release to a previous revision

Developing charts

Command	Description
<code>helm create <name></code>	Create a new chart
<code>helm package <chart-path></code>	Package a chart directory into a chart file
<code>helm lint <chart></code>	Lint a chart
<code>helm show all <chart></code>	Inspect a chart and list all resources
<code>helm show values <chart></code>	Inspect a chart and show default values
<code>helm template <name> <chart></code>	Render templates locally
<code>helm template <name> <chart> --set <key>=<value></code>	Render templates locally and override values