

# 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
--kube-context <name>	Name of the Kubernetes context to use
--namespace <name>	Namespace to use for this operation

## Repository management

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

## Installing Helm charts

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

## Listing releases

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

## Managing releases

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

## Developing charts

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