

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 |