

# Helm\_CheatSheet

## Cheatsheet for DevOps Engineers

### Installation :

Helm is the package manager for Kubernetes.

See <https://helm.sh/docs/intro/install/> for installation instructions.

### Repository Management commands:

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

### Global Flags:

Flags	Description
<code>--kube-context &lt;name&gt;</code>	Name of the Kubernetes context to use
<code>--namespace &lt;name&gt;</code>	Namespace to use for this operation

## Installing Helm charts:

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

## Listing releases commands:

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 &lt;label&gt;=&lt;value&gt;</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 pending/failed/uninstalled status
<code>helm status &lt;name&gt;</code>	Show the status of a release

## Managing releases commands:

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

## Developing charts:

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