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>	Name of the Kubernetes context to use
namespace <name></name>	Namespace to use for this operation

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

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

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

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

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