**HELM:**

**To install local project:**

Syntax:

Helm install <release-name> <repo-name>

#helm install project1 pro1/

Add --dry-run 🡪 to test the status before apply

**To view the history of a project:**

#helm history p1

[granga401@vm1 helm]$ helm history p1

REVISION UPDATED STATUS CHART APP VERSION DESCRIPTION

1 Mon Jun 28 03:02:36 2021 superseded pro1-3.2.0 1.16.0 Install complete

2 Mon Jun 28 03:11:52 2021 superseded pro1-3.2.0 1.16.0 Upgrade complete

3 Mon Jun 28 03:20:47 2021 superseded pro1-5.0.0 1.16.0 Upgrade complete

4 Mon Jun 28 03:22:14 2021 superseded pro1-6.0.0 1.16.0 Upgrade complete

5 Mon Jun 28 03:23:47 2021 superseded pro1-6.0.0 1.16.0 Upgrade complete

6 Mon Jun 28 03:24:56 2021 deployed pro1-6.0.0 1.16.0 Upgrade complete

**To Rollback:**

#helm rollback p1 5

[granga401@vm1 helm]$ helm history p1

REVISION UPDATED STATUS CHART APP VERSION DESCRIPTION

1 Mon Jun 28 03:02:36 2021 superseded pro1-3.2.0 1.16.0 Install complete

2 Mon Jun 28 03:11:52 2021 superseded pro1-3.2.0 1.16.0 Upgrade complete

3 Mon Jun 28 03:20:47 2021 superseded pro1-5.0.0 1.16.0 Upgrade complete

4 Mon Jun 28 03:22:14 2021 superseded pro1-6.0.0 1.16.0 Upgrade complete

5 Mon Jun 28 03:23:47 2021 superseded pro1-6.0.0 1.16.0 Upgrade complete

6 Mon Jun 28 03:24:56 2021 superseded pro1-6.0.0 1.16.0 Upgrade complete

7 Mon Jun 28 03:31:49 2021 deployed pro1-6.0.0 1.16.0 Rollback to 5

**To upgrade the local project:**  
Syntax:

helm upgrade --version <chart-version> <release-name> <repo>

(Upgrade chart version in cli)

#helm upgrade --version pro1-4.2.0 p1 pro1/

[granga401@vm1 helm]$ helm upgrade --version pro1-5.0.0 p1 pro1/

Release "p1" has been upgraded. Happy Helming!

NAME: p1

LAST DEPLOYED: Mon Jun 28 03:20:47 2021

NAMESPACE: default

STATUS: deployed

REVISION: 3

TEST SUITE: None

[granga401@vm1 helm]$ helm history p1

REVISION UPDATED STATUS CHART APP VERSION DESCRIPTION

scale: 2

1 Mon Jun 28 03:02:36 2021 superseded pro1-3.2.0 1.16.0 Install complete

2 Mon Jun 28 03:11:52 2021 superseded pro1-3.2.0 1.16.0 Upgrade complete

3 Mon Jun 28 03:20:47 2021 deployed pro1-5.0.0 1.16.0 Upgrade complete

(upgrade chart version using chart yaml)

helm upgrade p1 pro1/

[granga401@vm1 helm]$ helm history p1

REVISION UPDATED STATUS CHART APP VERSION DESCRIPTION

1 Mon Jun 28 03:02:36 2021 superseded pro1-3.2.0 1.16.0 Install complete

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3 Mon Jun 28 03:20:47 2021 superseded pro1-5.0.0 1.16.0 Upgrade complete

4 Mon Jun 28 03:22:14 2021 superseded pro1-6.0.0 1.16.0 Upgrade complete

5 Mon Jun 28 03:23:47 2021 superseded pro1-6.0.0 1.16.0 Upgrade complete

6 Mon Jun 28 03:24:56 2021 superseded pro1-6.0.0 1.16.0 Upgrade complete

7 Mon Jun 28 03:31:49 2021 superseded pro1-6.0.0 1.16.0 Rollback to 5

8 Mon Jun 28 03:37:17 2021 deployed pro1-7.0.0 1.16.0 Upgrade complete

**To uninstall:**

#helm uninstall pro1

**Helm autocompletion on shell:**

# helm completion bash

# source <(helm completion bash)

**To create fresh project:**

# helm create test

[granga401@vm1 temp]$ ls -l test/

total 8

-rw-r--r--. 1 granga401 granga401 1140 Jun 28 03:45 Chart.yaml

drwxr-xr-x. 2 granga401 granga401 6 Jun 28 03:45 charts

drwxr-xr-x. 3 granga401 granga401 162 Jun 28 03:45 templates

-rw-r--r--. 1 granga401 granga401 1871 Jun 28 03:45 values.yaml

**To delete the resource:**

#helm delete <Relaease>

#helm delete p1

[granga401@vm1 helm]$ helm history p1

REVISION UPDATED STATUS CHART APP VERSION DESCRIPTION

1 Mon Jun 28 03:02:36 2021 superseded pro1-3.2.0 1.16.0 Install complete

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6 Mon Jun 28 03:24:56 2021 superseded pro1-6.0.0 1.16.0 Upgrade complete

7 Mon Jun 28 03:31:49 2021 superseded pro1-6.0.0 1.16.0 Rollback to 5

8 Mon Jun 28 03:37:17 2021 deployed pro1-7.0.0 1.16.0 Upgrade complete

[granga401@vm1 helm]$ helm delete p1

release "p1" uninstalled

[granga401@vm1 helm]$ helm history p1

Error: release: not found

**To initialize new project:**

#helm init <name>

**To show/inspect about chart/project:**

#helm show chart <project folder>

[granga401@vm1 helm]$ helm show chart pro1

apiVersion: v2

appVersion: 1.16.0

description: A Helm chart for Kubernetes

name: pro1

type: application

version: 8.0.0

[granga401@vm1 helm]$ helm inspect all pro1/

apiVersion: v2

appVersion: 1.16.0

description: A Helm chart for Kubernetes

name: pro1

type: application

version: 8.0.0

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scale: 2

tag: "1.19.9"

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**Additional install commands:**

$ helm install -f myvalues.yaml <repo>

or

$ helm install --set name=prod <repo>

**To package the project:**

Helm will create a mychart-0.1.0.tgz package

# helm package ./mychart

**To list of helm projects:**

#helm list

INSML-AMLVCF:viper-kube-configs granga401$ helm list

NAME NAMESPACE REVISION UPDATED STATUS CHART APP VERSION

aptest-pillar t6linear 11 2020-11-09 03:54:01.821903 -0500 -0500 deployed pillar-6.0.1 2.1.2

barry-diamond t6linear 1 2021-05-05 12:24:02.5508 -0400 -0400 deployed prometheus-11.5.0+viper 2.18.1

btr-pillar t6linear 25 2021-06-04 18:06:56.013342 +0530 IST deployed pillar-6.0.1 2.1.2

cle-pillar t6linear 11 2021-05-18 13:42:03.47013 -0400 -0400 deployed pillar-6.0.1 2.1.2

con-pillar t6linear 17 2021-07-21 02:37:51.203757 -0400 -0400 deployed pillar-6.0.1 2.1.2

cute-deer t6linear 40 2021-07-15 12:38:57.902291 -0400 -0400 deployed linear-6.1.1

cxnat-pillar t6linear 5 2020-11-09 03:56:48.051783 -0500 -0500 deployed pillar-6.0.1 2.1.2

gan-pillar t6linear 12 2021-05-18 12:32:21.721939 -0400 -0400 deployed pillar-6.0.1 2.1.2

green-varnish t6linear 2 2020-11-09 03:46:40.222755 -0500 -0500 deployed dash-lp-cache-3.6.3 5.2.1

haproxy-dash t6linear 2 2020-12-16 14:23:45.231884 -0500 -0500 deployed reverseproxy-0.1.3 1.8.9

haproxy-super8 t6linear 2 2020-12-16 14:23:55.969388 -0500 -0500 deployed reverseproxy-0.1.3 1.8.9