Add Remote repo to local and pull Charts

1. Add repo to local via :

Helm repo add <repo-name> <github-pages>

1. Search helm repo via :

Helm search repo <repo-name>

root@helm:/home/trainer/helm-chart/chartpackages# helm search repo

NAME CHART VERSION APP VERSION DESCRIPTION

mychartrepo/firstchart 0.1.1 1.16.0 A Helm chart for Kubernetes

mychartrepo/secondchart 0.1.0 1.16.0 A Helm chart for Kubernetes

1. To pull package from repository :

Helm pull mychartrepo/firstchart -d .

1. Package will be downloaded in .tgz format
2. Run tar -xf <package.tgz>

Chart Dependency :

1. Create a parent chart with no data in value.yaml with dependency on other chart packages :

root@helm:/home/trainer/helm-chart/chartpackages/chartpackages/parentchart# cat Chart.yaml

apiVersion: v2

appVersion: 1.16.0

dependencies:

- name: firstchart

repository: https://jagdishmodi.github.io/helmchartrepository/

version: 0.1.1

description: A Helm chart for Kubernetes

name: parentchart

type: application

version: 1.0.0

1. To check dependency list , run helm dep list and run helm dep update to update the dependencies and download chart packages in the parent chart folder.
2. Now package the parent chart folder using helm package -d .

Override subchart values:

1. Once dependent chart package is downloaded , you can see values of chart via below command:

Helm show values chart/<chart-0.1.0.tgz>

1. To Override the values in chart, we can add values in values.yaml for parent chart folder with below values :

Firstchart:

replicaCount: 1

1. Now install the package using command : helm install parentrelease .

Enable/disable depe ndent charts while installing parent chart:

1. We can add condition key in for dependent charts in Chart.yaml file of parent chart like:

Conditions: firstchart.enabled

1. Add conditions entry in values.yaml file for parent chart like:

Firstchart:

Enabled: true/false

1. Install chart with different options and see results.