**Helm installation**

* Sudo su
* curl -fsSL -o get\_helm.sh <https://raw.githubusercontent.com/helm/helm/main/scripts/get-helm-3> ( download helm )
* chmod 700 get\_helm.sh
* ./get\_helm.sh
* Which helm ( to see helm is install or not )
* Helm version

**Helm commands**

* Helm list ( to see repo )
* helm repo add stable <https://charts.helm.sh/stable> ( adding repo )
* helm repo list ( now you will see one repo )
* helm repo remove stable ( you can remove your repo )
* helm repo add stable <https://charts.helm.sh/stable> ( adding repo )
* helm search repo Jenkins ( to see the chart in repo )
* helm search repo tomcat ( to see tomcat 0.4.3 chart )
* helm show values stable/tomcat ( to see the value of tomcat before installing in local repo )
* helm show chart stable/tomcat ( to see the chart of tomcat )
* helm show all stable/tomcat ( to see all information about tomcat chart )
* apt-get install tree
* helm create helloworld ( creating helloworld chart )
* ls
* tree helloworld/ ( you will see what types of contain by default created in helloworld chart )
* cd helloworld
* ls
* vi values.yaml
* cd ..
* ls
* rm -rf helloworld ( to delete helloworld )
* kubectl get all
* helm install testjenkins stable/Jenkins ( install Jenkins stable chart & releasing. Revision 1 created )
* helm install testtomcat stable/tomcat ( installing tomcat chart )
* kubectl get all ( now you will see 3 pods )
* helm delete testjenkins ( your release will be uninstall )
* kubectl get all ( testjenkins pod is deleted )
* helm delete testjenkins2 ( testjenkins2 will be uninstall )
* kubectl get all ( only one pod remaining )
* helm list ( you have only chart )
* helm install –dry-run testchart stable/tomcat ( you will get only dry-run of your command but it will not install chart just showing you output )
* helm delete testtomcat
* kubectl get all
* helm list
* helm insall –wait --timeput 20s testtomcat stable/tomcat ( to give wait time before installing )
* kubectl get all
* helm delete testtomcat
* helm list
* helm install testchart stable/tomcat
* helm list
* helm install testchart stable/tomcat --version 0.4.0 ( to install particular revision or version )
* helm list
* helm delete testchart
* helm install testchart stable/tomcat
* helm get all
* helm delete testchart
* helm show values stable/tomcat
* helm install testchart2 stable/tomcat –set service.type=NordPort ( we can edit chart also by out requirement. Now we are adding nord port )
* kubectl get all
* helm get values testchart2 ( now you can see the values you added before )
* helm get manifest testchart2 ( to see the the object deployed in manifest )
* helm status testchart2 ( to see the status of your release )
* helm history testchart2 ( to see the history of revision or version )
* helm install testchart stable/tomcat --version 0.4.0 ( installing old version of tomcat )
* helm history testchart
* helm upgrade testchart stable/tomcat ( upgrading tomcat chart and revision 2 )
* helm history testchart ( now you can see all revision of tomcat )
* kubectl get all
* helm rollback testchart ( to rollback to pervious version )
* helm history testchart
* mkdir charts
* ls
* helm repo add bitnami <https://charts.bitnami.com/bitnami> ( adding bitnami chart before installing mysql )
* helm install my-release bitnami/mysql ( to install mysql )
* helm list ( you can see my-release and mysql )
* helm history my-release ( you can see revision and version of your release or chart )
* helm install release2 bitnami/mysql --version 8.3.0 ( installing old version or revision )
* helm list ( you can see old and newer revision and release of your chart )
* helm pull stable/tomcat
* ls ( we pull tar file of tomcat )
* helm pull stable/tomcat –untar ( we are donloading untar file of tomcat )
* cd tomcat
* cd
* tree tomcat
* cd templates
* ls
* cd ( come back to home/ubuntu )