Helm Installation :

1. Install Docker

# Add Docker's official GPG key:

sudo apt-get update

sudo apt-get install ca-certificates curl

sudo install -m 0755 -d /etc/apt/keyrings

sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc

sudo chmod a+r /etc/apt/keyrings/docker.asc

# Add the repository to Apt sources:

echo \

"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \

$(. /etc/os-release && echo "$VERSION\_CODENAME") stable" | \

sudo tee /etc/apt/sources.list.d/docker.list > /dev/null

sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

1. Install Kind using below commands

#!/bin/bash  
  
# For AMD64 / x86\_64  
[ $(uname -m) = x86\_64 ] && curl -Lo ./kind https://kind.sigs.k8s.io/dl/v0.20.0/kind-linux-amd64  
chmod +x ./kind  
sudo cp ./kind /usr/local/bin/kind  
rm -rf kind

1. Create cluster using kind:

kind create cluster --name helmtutorial

1. Kubectl installation :

curl -LO [https://dl.k8s.io/release/$(curl -L – s https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl](https://dl.k8s.io/release/$(curl%20-L%20–%20s%20https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl)

install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

kubectl completion bash | sudo tee /etc/bash\_completion.d/kubectl > /dev/null

1. Helm Installation commands:

$ curl -fsSL -o get\_helm.sh https://raw.githubusercontent.com/helm/helm/main/scripts/get-helm-3

$ chmod 700 get\_helm.sh

$ ./get\_helm.sh

1. Check Helm version : helm version