**Using argocd with minikube**

#Start a cluster using the virtualbox driver or to restart virtualbox

minikube start --driver=virtualbox

kubectl get nodes

kubectl get ns

# Install Argo CD:

**# Ref: https://argoproj.github.io/argo-cd/getting\_started/**

kubectl create ns argocd

kubectl apply -n argocd -f https://raw.githubusercontent.com/argoproj/argo-cd/stable/manifests/install.yaml

**Install Homebrew package:**

# Ref: https://www.how2shout.com/linux/how-to-install-brew-ubuntu-20-04-lts-linux/

sudo apt update

sudo apt-get install build-essential

sudo apt install git -y

/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"

eval "$(/home/linuxbrew/.linuxbrew/bin/brew shellenv)"

brew doctor

brew install gcc

# **Download Argo CD CLI:**

brew install argocd

# **Access The Argo CD API Server by Port Forwarding**

kubectl port-forward svc/argocd-server -n argocd 8080:443

# open localhost:8080 in your browser

# **To Login Using The CLI**

# Open a new terminal

# Get the admin password and save it using the command below:

kubectl -n argocd get secret argocd-initial-admin-secret -o jsonpath="{.data.password}" | base64 -d && echo

# In the argo cli, enter username - admin and the password obtained above, to login

**Create An Application From A Git Repository**

# After logging in to the Argo CD external UI, click the + New App button

# Give your app the name guestbook, use the project default, and leave the sync policy as Manual

# Connect the https://github.com/argoproj/argocd-example-apps.git repo to Argo CD by setting repository url to the github repo url, leave revision as HEAD, and set the path to guestbook

# For Destination, set cluster to in-cluster and namespace to default

# After filling out the information above, click Create at the top of the UI to create the guestbook application

**Sync (Deploy) The Application**

# Click default github url to open the synced application.