Prerequisites: -

This are pre-requisite we should need to do before deploying an accessing the hello-world application in minikube cluster: -

* Install Minikube:

Download the Minikube installer from the official Minikube website: <https://minikube.sigs.k8s.io/docs/start/>

Open PowerShell as an administrator.

Navigate to the directory where you downloaded the Minikube installer. C:/minikube

Execute the installer:

./minikube-installer.exe

* Install Helm:

Using Chocolatey – if Chocolatey is not installed

Set-ExecutionPolicy Bypass -Scope Process -Force; iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))

choco source update -n=chocolatey - troubleshooting getting error

Install Helm using Chocolatey:

choco install helm

Configuring Helm with Your Kubernetes Cluster:

helm init --service-account tiller

manually

official helm website - <https://helm.sh/blog/get-helm-sh/>

Add the Helm binary path to your system's PATH environment variable.

* Install Ansible:

choco install ansible

manual installation - <https://docs.ansible.com/ansible/latest/installation_guide/intro_installation.html>

Extract the downloaded archive.

Add the Ansible binary path to your system's PATH environment variable.

Creating an Ansible Inventory File:

Create a new text file named hosts

Add Inventory Entries:

[minikube]

192.168.99.100 - minikube ip we need to enter here save this file

* Docker Image:

pull the official "hello-world" image:

docker pull hello-world