To deploy Prometheus on Kubernetes using Helm, you can follow these steps:

1. **Install Helm:**

   If you haven't already, install Helm on your Kubernetes cluster. You can use the following 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
   ```

2. **Add the Prometheus Helm Repository:**

   Create namespace Prometheus

   ```
    Kubectl create namespace prometheus
   ```

   Add the Prometheus community Helm repository:

   ```
   helm repo add prometheus-community https://prometheus-
   community.github.io/helm-charts
   helm repo update
   ```

3. **Install Prometheus:**

   Deploy Prometheus using the Helm chart:

```
helm install prometheus-operator prometheus-community/kube-prometheus-stack
--namespace Prometheus
```


4. **Verify Deployment:**

   Check the status of Prometheus components:

   ```
   kubectl get pods -n Prometheus
   ```

```
sparx@DESKTOP-0N62A4P:~$ kubectl get pods -n prometheus
NAME                                                          READY   STATUS            RESTARTS   AGE
alertmanager-prometheus-operator-kube-p-alertmanager-0        2/2     Running           0          70s
prometheus-operator-grafana-867c546b64-9zrhs                 3/3     Running           0          85s
prometheus-operator-kube-p-operator-579f5cb6fc-lq2lw          1/1     Running           0          84s
prometheus-operator-kube-state-metrics-788b85f94-wsjvd        1/1     Running           0          84s
prometheus-operator-prometheus-node-exporter-g97br            0/1     ContainerCreating  0          85s
prometheus-prometheus-operator-kube-p-prometheus-0            2/2     Running           0          65s
sparx@DESKTOP-0N62A4P:~$
```

Prometheus Alerts Graph Status ▾ Help

Service Discovery

🔍 | Filter by labels

- serviceMonitor/prometheus/prometheus-operator-kube-p-alertmanager/0 (1 / 18 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-alertmanager/1 (1 / 18 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-apiserver/0 (1 / 3 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-coredns/0 (1 / 38 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-kube-controller-manager/0 (1 / 38 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-kube-etcd/0 (1 / 38 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-kube-proxy/0 (1 / 38 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-kube-scheduler/0 (1 / 38 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-kubelet/0 (4 / 38 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-kubelet/1 (4 / 38 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-kubelet/2 (4 / 38 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-operator/0 (1 / 18 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-prometheus/0 (1 / 18 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-p-prometheus/1 (1 / 18 active targets)
- serviceMonitor/prometheus/prometheus-operator-kube-state-metrics/0 (1 / 18 active targets)
- serviceMonitor/prometheus/prometheus-operator-prometheus-node-exporter/0 (1 / 18 active targets)

serviceMonitor/prometheus/prometheus-operator-kube-p-alertmanager/0 show more

serviceMonitor/prometheus/prometheus-operator-kube-p-alertmanager/1 show more