

# Testing the Helm chart

The following scenarios were tested

1. Multiple pods -> Default config [AMP only]

Command

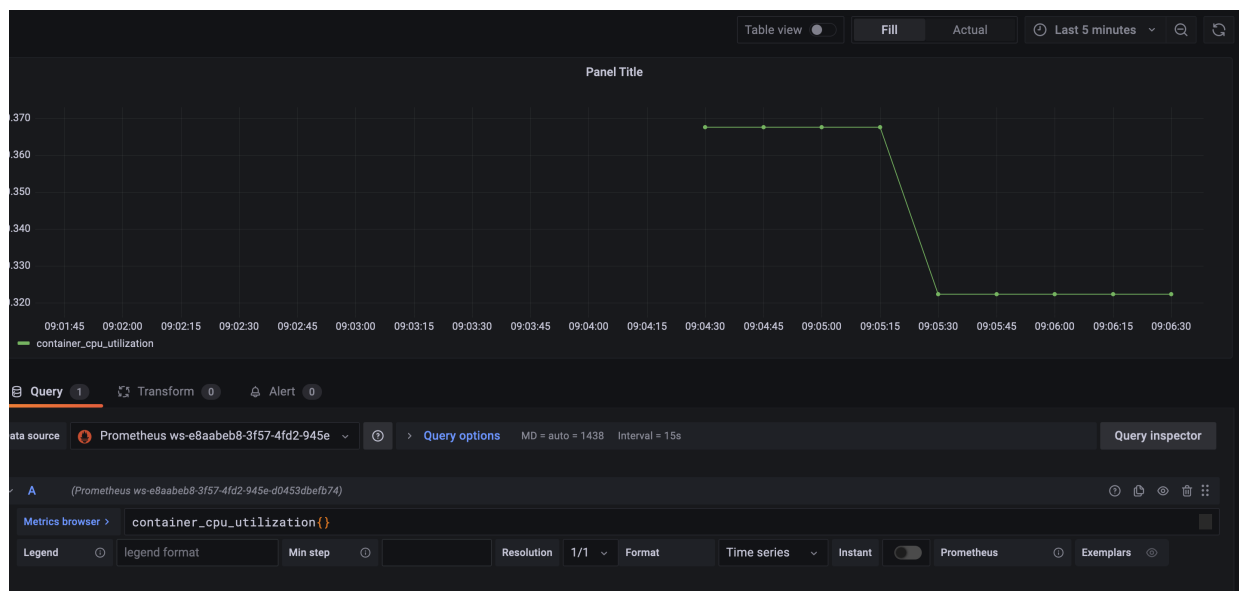
```
88665a582fe5:charts raviru$ helm install amp-testing-multi \
  --set clusterName=test-multi --set awsRegion=us-west-2
NAME: amp-testing-multi
LAST DEPLOYED: Thu Mar 10 09:02:14 2022
NAMESPACE: default
STATUS: deployed
REVISION: 1
TEST SUITE: None
NOTES:
Thank you for installing adot-exporter-for-eks-on-ec2.

Your release is named amp-testing-multi.
```

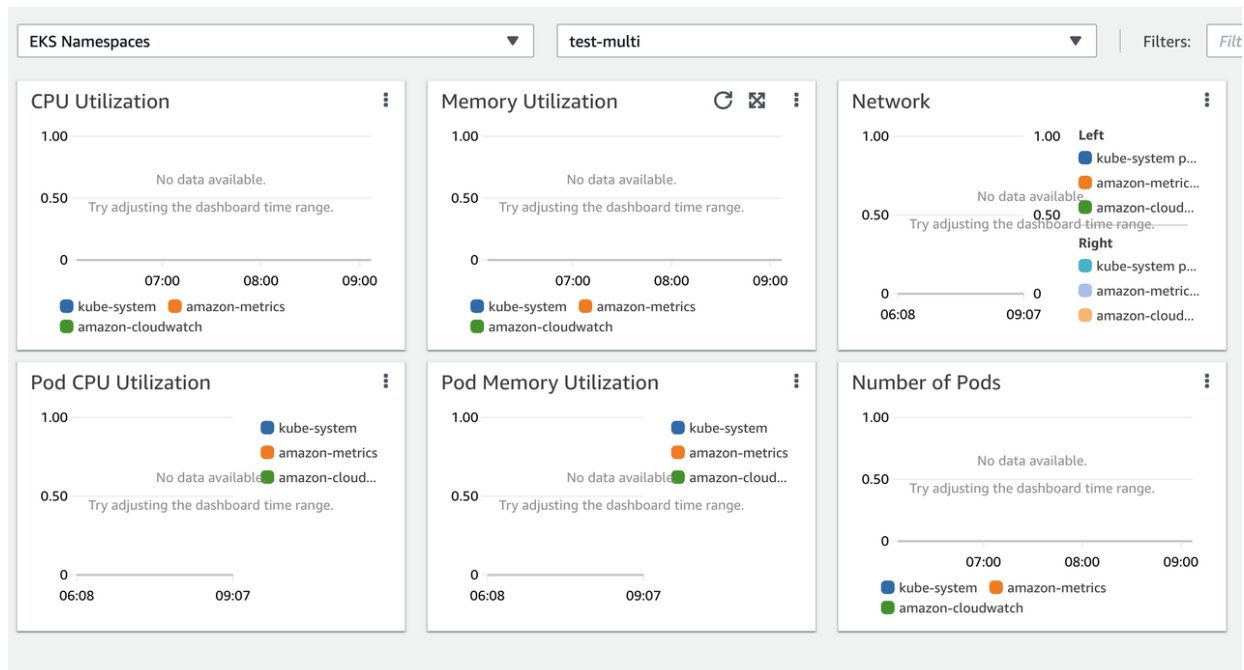
Pods deployed

```
88665a582fe5:charts raviru$ kubectl get pods -n amazon-metrics
NAME                                READY   STATUS    RESTARTS   AGE
adot-collector-daemonset-jqtwc      1/1     Running   0           2m53s
adot-collector-daemonset-www44      1/1     Running   0           2m53s
```

Grafana Dashboard



CloudWatch Dashboard



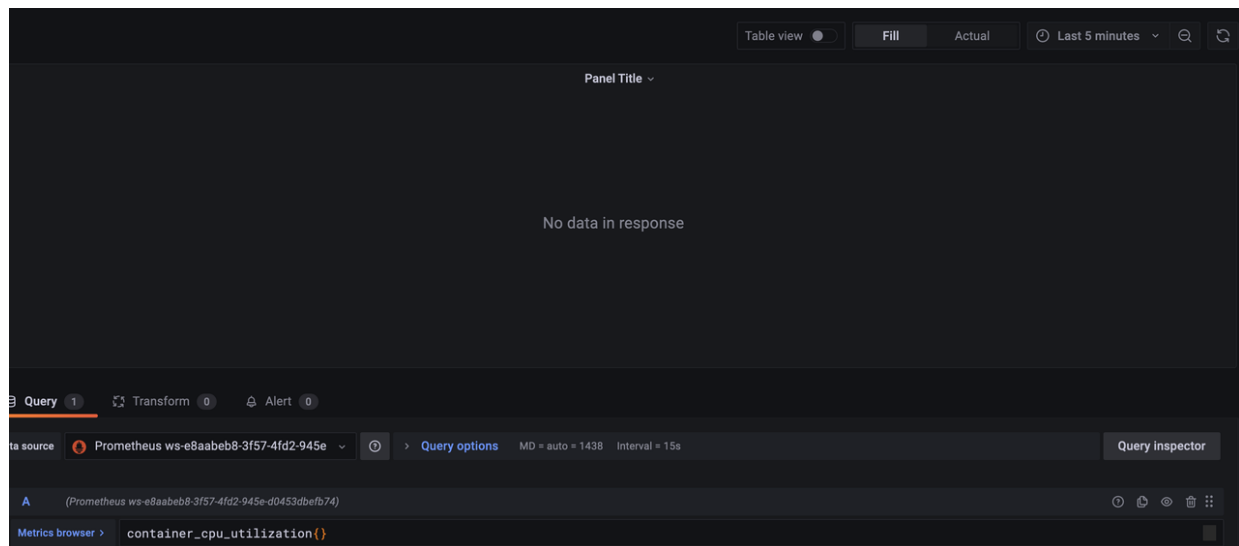
2. Multiple pods → CloudWatch only

Pods deployed

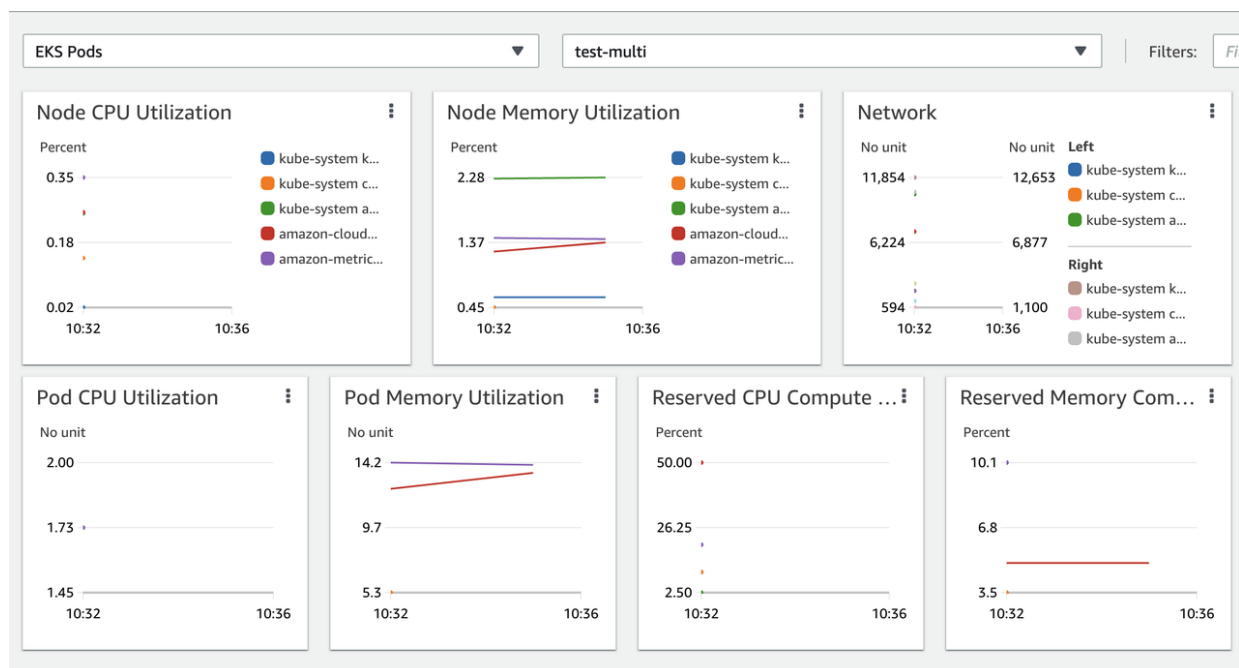
```
188665a582fe5:charts raviru$ kubectl get pods --all-namespaces
```

| NAMESPACE         | NAME                           | READY | STATUS            | RESTARTS | AGE |
|-------------------|--------------------------------|-------|-------------------|----------|-----|
| amazon-cloudwatch | fluent-bit-bq6pm               | 0/1   | ContainerCreating | 0        | 11s |
| amazon-cloudwatch | fluent-bit-nqmn9               | 1/1   | Running           | 0        | 11s |
| amazon-metrics    | adot-collector-daemonset-t7k6p | 1/1   | Running           | 0        | 11s |
| amazon-metrics    | adot-collector-daemonset-zjdqx | 0/1   | Pending           | 0        | 11s |

Grafana Dashboard



## CloudWatch Dashboard

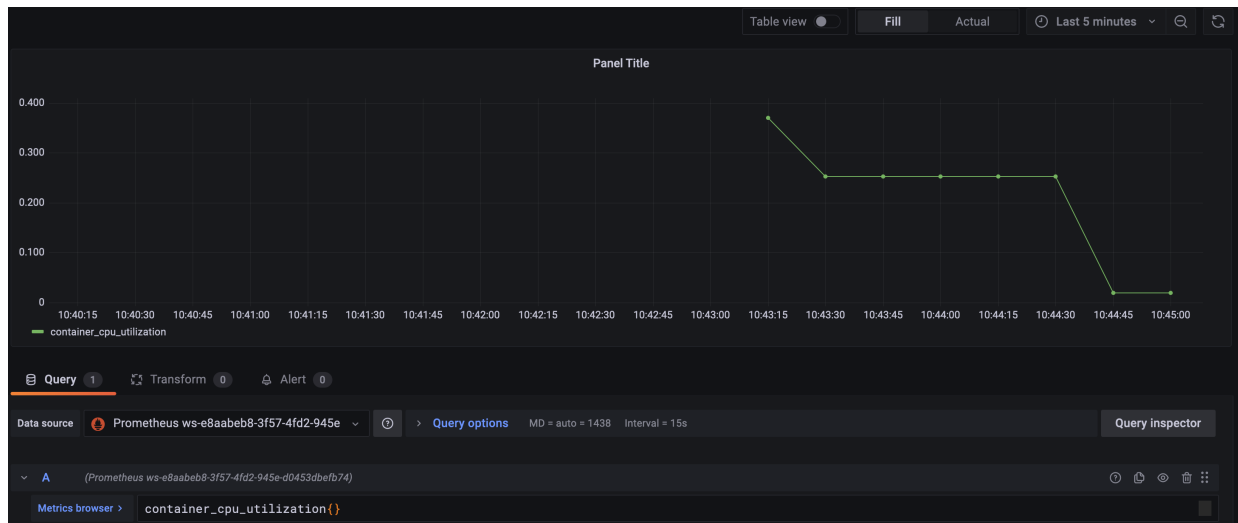


3. Multiple pods → both pipelines

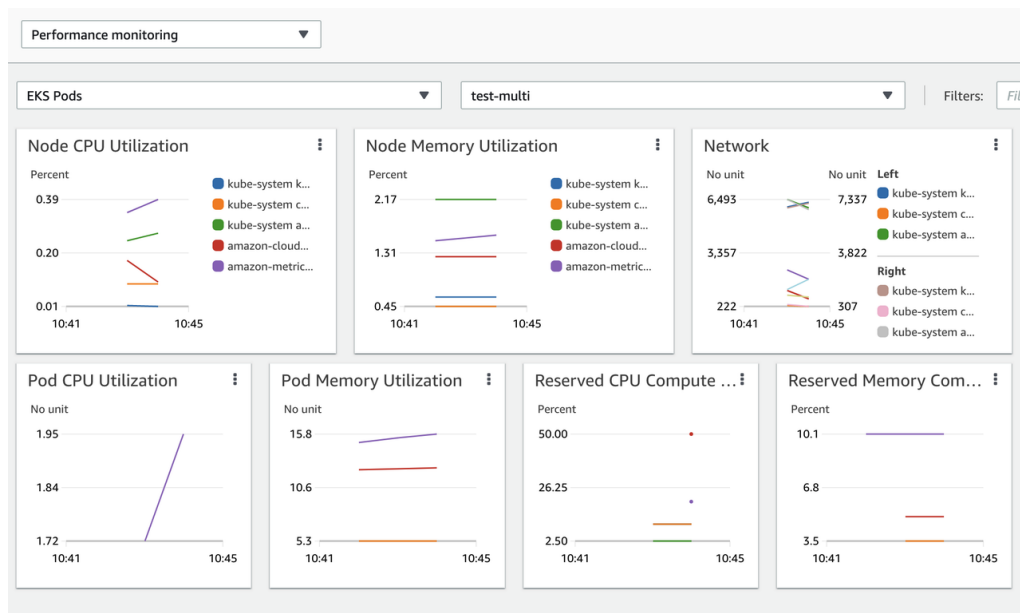
Pods deployed

```
88665a582fe5:charts raviru$ kubectl get pods --all-namespaces
NAMESPACE          NAME                                READY   STATUS    RESTARTS   AGE
amazon-cloudwatch   fluent-bit-6m2tn                   0/1     Pending   0           5m56s
amazon-cloudwatch   fluent-bit-crbmw                   1/1     Running   0           5m56s
amazon-metrics      adot-collector-daemonset-qgdt4     1/1     Running   0           5m56s
amazon-metrics      adot-collector-daemonset-tb9rn     1/1     Running   0           5m56s
```

## Grafana Dashboard



## CloudWatch Dashboard



### 4. Single pods → Default [Amp only]

Command

```

88665a582fe5:charts raviru$ helm install amp-testing-single adot-exporter-for-eks-on-ec2 --set clusterName=test-multi --set awsRegion=us-west-2
NAME: amp-testing-single
LAST DEPLOYED: Thu Mar 10 09:25:25 2022
NAMESPACE: default
STATUS: deployed
REVISION: 1
TEST SUITE: None
NOTES:
Thank you for installing adot-exporter-for-eks-on-ec2.

Your release is named amp-testing-single.

```

Pods deployed

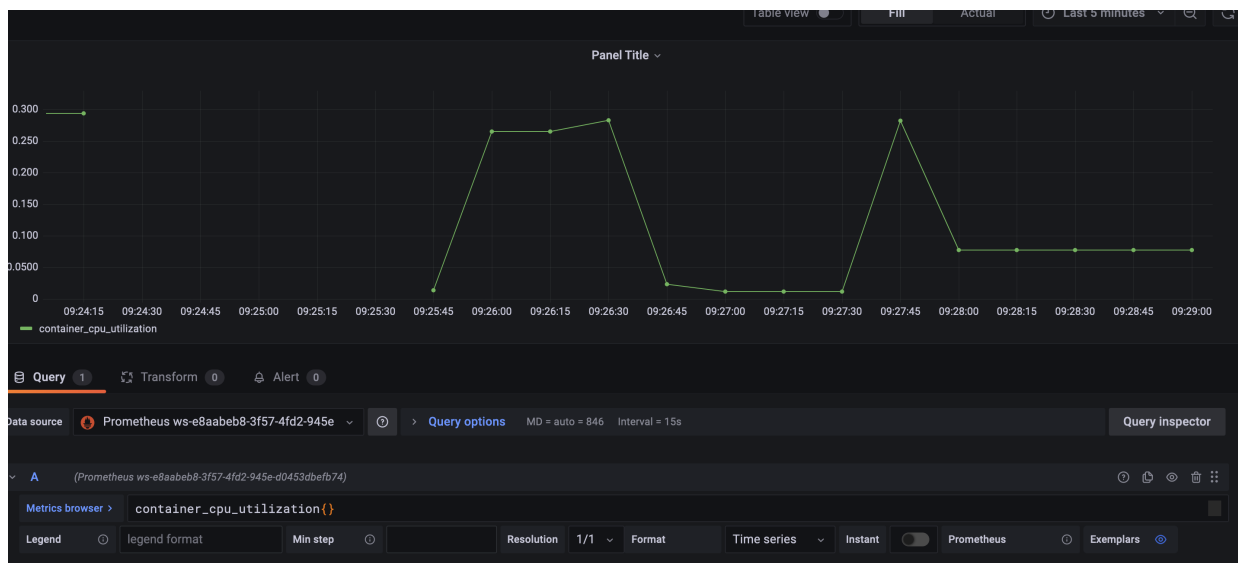
```

88665a582fe5:charts raviru$ kubectl get pods --all-namespaces

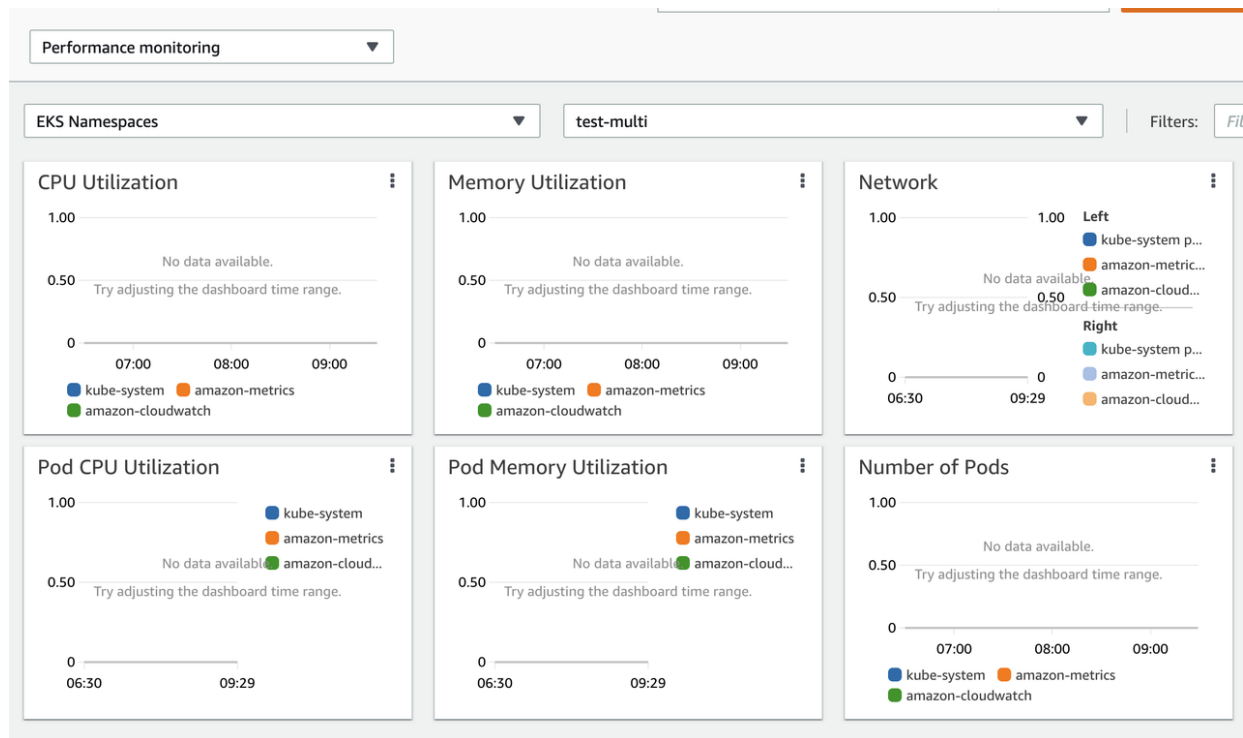
```

| NAMESPACE      | NAME                           | READY | STATUS  | RESTARTS | AGE   |
|----------------|--------------------------------|-------|---------|----------|-------|
| amazon-metrics | adot-collector-daemonset-w26j7 | 1/1   | Running | 0        | 4m46s |
| kube-system    | aws-node-gpc22                 | 1/1   | Running | 0        | 5m27s |

Grafana Dashboard



CloudWatch Dashboard



5. Single pods → CloudWatch only

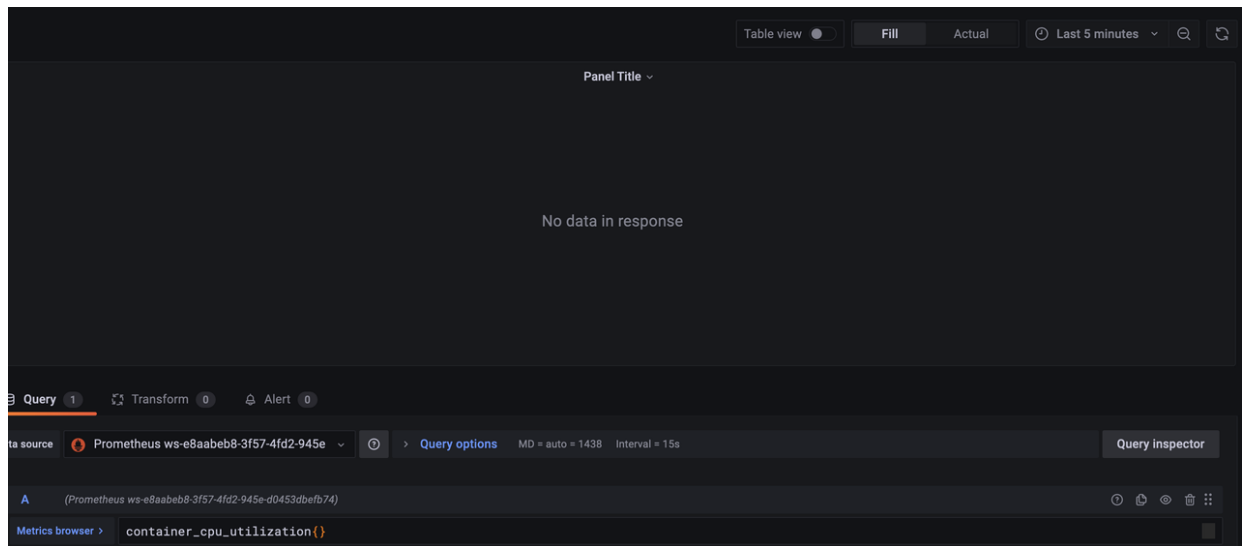
Command

```
88665a582fe5:charts raviru$ helm install \
> adot-exporter-for-eks-on-ec2 \
> --set clusterName=test-single \
> --set awsRegion=us-west-2 \
> --set adotCollector.daemonSet.cwEnabled=true \
> --set adotCollector.daemonSet.ampEnabled=false \
> --set fluentbit.enabled=true
```

Pods deployed

```
88665a582fe5:charts raviru$ kubectl get pods --all-namespaces
NAMESPACE   NAME                                READY   STATUS    RESTARTS   AGE
amazon-cloudwatch   fluent-bit-pz1lx                    1/1     Running   0           16s
amazon-metrics      adot-collector-daemonset-f2174      0/1     Pending   0           16s
```

Grafana Dashboard



## CloudWatch Dashboard

