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Number of healthy clusters

Time	sum(kube_node_status_condition(condition="Ready", status="true")==1)
10:30	1
11:00	1
11:30	1
12:00	1
12:30	1
13:00	1
13:30	1
14:00	1
14:30	1
15:00	1
15:30	1
16:00	2

sum(kube_node_status_condition(condition="Ready", status="true")==1)

sum of changes in the ready status of Kubernetes pods

Time	default	istio-system	kube-system
10:30	0	0	0
11:00	0	0	0
11:30	0	0	0
12:00	0	0	0
12:30	0	0	0
13:00	0	0	0
13:30	0	0	0
14:00	0	0	0
14:30	0	0	0
15:00	0	0	0
15:30	0	0	0
16:00	4	0	0

default istio-system kube-system

KUB POD INFO

Time	default	istio-system	kube-system
10:30	11	6	8
11:00	11	6	8
11:30	11	6	8
12:00	11	6	8
12:30	11	6	8
13:00	11	6	8
13:30	11	6	8
14:00	11	6	8
14:30	11	6	8
15:00	11	6	8
15:30	11	6	8
16:00	11	6	8

default istio-system kube-system



Screenshot# 1 – Data Source

```
Opening service default/grafana-ext in default browser...
http://127.0.0.1:42849
Because you are using a Docker driver on linux, the terminal needs to be open to run it.
Stopping tunnel for service grafana-ext.
sh@minikube:~/DESKTOP-7BRNB3J:/mnt/c/Users/shehr/OneDrive/Desktop/BCVD 4032/Lab4/YAML FILES - SEP$ minikube service prometheus-server-ext


NAMESPACE      NAME                TARGET PORT      URL
-----
default        prometheus-server-ext  80              http://192.168.49.2:30269

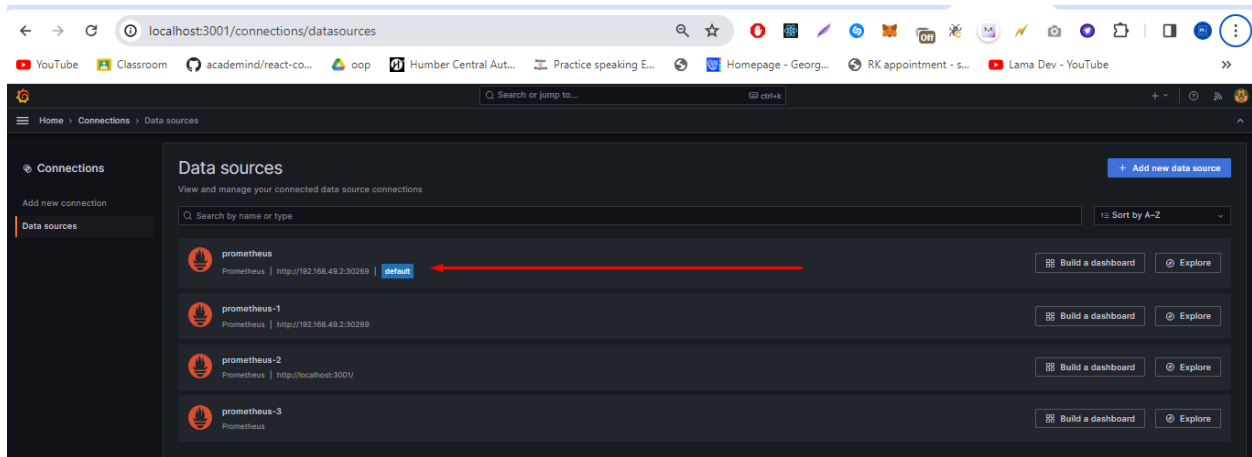
Starting tunnel for service prometheus-server-ext.

NAMESPACE      NAME                TARGET PORT      URL
-----
default        prometheus-server-ext  39209           http://127.0.0.1:39209

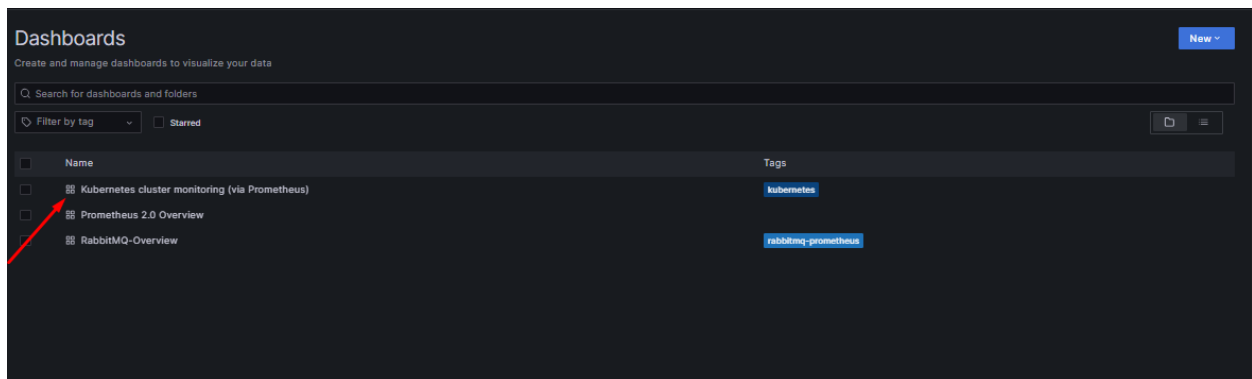
Opening service default/prometheus-server-ext in default browser...
http://127.0.0.1:39209
Because you are using a Docker driver on linux, the terminal needs to be open to run it.
```

```
Handling connection for 3001  
^Cshehrozaseem@DESKTOP-7BRNBJJ:~$ kubectl port-forward service/grafana-ext 3001:80  
Forwarding from 127.0.0.1:3001 -> 3000  
Forwarding from [::1]:3001 -> 3000  
Handling connection for 3001  
Handling connection for 3001  
Handling connection for 3001  
Handling connection for 3001  
Handling connection for 3001  
Handling connection for 3001  
Handling connection for 3001  
Handling connection for 3001
```

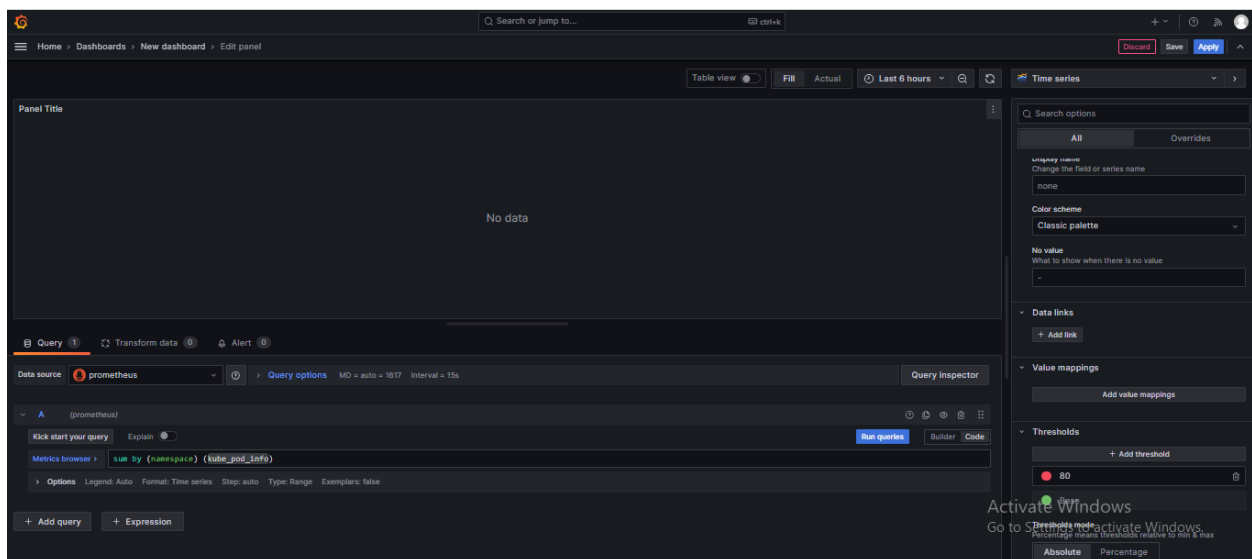




Screenshot# 2 – Dashboard Imported



Adding Query



The screenshot displays the Grafana dashboard interface. The main panel, titled "Panel Title", shows "No data". The query editor at the bottom is configured with the following details:

- Data source:** prometheus
- Query options:** MD = auto = 1617, Interval = 15s
- Query:** `sum by (namespace)(changes(kube_pod_status_ready{condition="true"}[5s]))`
- Options:** Legend: Auto, Format: Time series, Step: auto, Type: Range, Exemplars: false

The right sidebar contains the "Time series" panel with the following settings:

- Search options:** All, Overrides
- Panel options:**
 - Title:** if changes in the ready status of Kubernetes pods
 - Description:**
 - Transparent background:** ☐
 - Panel links:**
 - Repeat options:**
- Tooltip:**
 - Tooltip mode:** Single, All, Hidden
- Legend:**
 - Visibility:** ☒
 - Mode:** ☐ ☒

At the bottom right, there is a watermark text: "Activate Windows. Go to Settings to activate Windows."