

```

kevunlin23@wdevice50:~$ helm install prometheus prometheus-community/prometheus
NAME: prometheus
LAST DEPLOYED: Mon Feb  5 18:37:04 2024
NAMESPACE: default
STATUS: deployed
REVISION: 1
TEST SUITE: None
NOTES:
The Prometheus server can be accessed via port 80 on the following DNS name from within your cluster:
prometheus-server.default.svc.cluster.local

Get the Prometheus server URL by running these commands in the same shell:
  export POD_NAME=$(kubectl get pods --namespace default -l "app.kubernetes.io/name=prometheus,app.kub
ernetes.io/instance=prometheus" -o jsonpath="{.items[0].metadata.name}")
  kubectl --namespace default port-forward $POD_NAME 9090

The Prometheus alertmanager can be accessed via port 9093 on the following DNS name from within your c
luster:
prometheus-alertmanager.default.svc.cluster.local

Get the Alertmanager URL by running these commands in the same shell:
  export POD_NAME=$(kubectl get pods --namespace default -l "app.kubernetes.io/name=alertmanager,app.k
ubernetes.io/instance=prometheus" -o jsonpath="{.items[0].metadata.name}")
  kubectl --namespace default port-forward $POD_NAME 9093
#####
#####   WARNING: Pod Security Policy has been disabled by default since   #####
#####           it deprecated after k8s 1.25+. use                       #####
#####           (index .Values "prometheus-node-exporter" "rbac"         #####
#####           "pspEnabled") with (index .Values                       #####
#####           "prometheus-node-exporter" "rbac" "pspAnnotations")      #####
#####           in case you still need it.                               #####
#####
#####

The Prometheus PushGateway can be accessed via port 9091 on the following DNS name from within your cl
uster:
prometheus-prometheus-pushgateway.default.svc.cluster.local

Get the PushGateway URL by running these commands in the same shell:
  export POD_NAME=$(kubectl get pods --namespace default -l "app=prometheus-pushgateway,component=push
gateway" -o jsonpath="{.items[0].metadata.name}")
  kubectl --namespace default port-forward $POD_NAME 9091

For more information on running Prometheus, visit:
https://prometheus.io/
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kevinlin23@wdevice50:~$ kubectl get pods
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NAME	READY	STATUS	RESTARTS	AGE
dapp-57c46fd67f-jrvt8	1/1	Running	1 (9m53s ago)	6d20h
ganache-67d6c69959-5k57d	1/1	Running	1 (9m53s ago)	6d20h
mongodb-stateful-set-0	1/1	Running	2 (9m53s ago)	12d
mongodb-stateful-set-1	1/1	Running	2 (9m53s ago)	12d
nginx-deployment-584fbb974d-5jw5k	1/1	Running	2 (9m53s ago)	12d
nginx-deployment-584fbb974d-kjp8m	1/1	Running	2 (9m53s ago)	12d
nginx-deployment-584fbb974d-lkqz	1/1	Running	2 (9m53s ago)	12d
nginx-mlc6k	1/1	Running	2 (9m53s ago)	12d
note-deployment-74cc946cd8-nbtvd	1/1	Running	3 (9m53s ago)	12d
note-deployment-74cc946cd8-zwflf	1/1	Running	3 (9m53s ago)	12d
note-server-deployment-6fb5fcb67f-s2jvg	1/1	Running	3 (6m9s ago)	12d
note-server-deployment-6fb5fcb67f-xxvqn	1/1	Running	3 (6m9s ago)	12d
prometheus-alertmanager-0	1/1	Running	0	7m17s
prometheus-kube-state-metrics-745b475957-4khmj	1/1	Running	0	7m17s
prometheus-prometheus-node-exporter-n5lql	1/1	Running	0	7m17s
prometheus-prometheus-pushgateway-6ccd698d79-jqx7r	1/1	Running	0	7m17s
prometheus-server-5c99dfc547-9d6x5	2/2	Running	0	7m17s
react-856b8f94df-5ncqq	1/1	Running	1 (9m53s ago)	6d20h
web-0	0/1	Pending	0	12d

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kevinlin23@wdevice50:~$ kubectl get svc
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NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	A
GE					
dapp d20h	ClusterIP	10.108.14.69	<none>	4000/TCP	6
ganache d20h	ClusterIP	10.104.93.164	<none>	8545/TCP	6
kubernetes 2d	ClusterIP	10.96.0.1	<none>	443/TCP	1
mongodb-service 2d	ClusterIP	10.96.167.153	<none>	27017/TCP	1
note-server-service 2d	ClusterIP	10.96.242.96	<none>	5000/TCP	1
note-service 2d	LoadBalancer	10.100.23.119	<pending>	3000:31680/TCP	1
prometheus-alertmanager m56s	ClusterIP	10.98.150.126	<none>	9093/TCP	7
prometheus-alertmanager-headless m56s	ClusterIP	None	<none>	9093/TCP	7
prometheus-kube-state-metrics m56s	ClusterIP	10.108.124.135	<none>	8080/TCP	7
prometheus-prometheus-node-exporter m56s	ClusterIP	10.103.97.146	<none>	9100/TCP	7
prometheus-prometheus-pushgateway m56s	ClusterIP	10.108.146.77	<none>	9091/TCP	7
prometheus-server m56s	ClusterIP	10.107.54.16	<none>	80/TCP	7
react d20h	ClusterIP	10.96.44.254	<none>	3000/TCP	6

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kevinlin23@wdevice50:~$ kubectl expose service prometheus-server --type=NodePort --target-port=9090 --
name=prometheus-server-ext
service/prometheus-server-ext exposed
kevinlin23@wdevice50:~$ kubectl get svc
NAME                                TYPE                CLUSTER-IP      EXTERNAL-IP      PORT(S)          A
GE
dapp                                ClusterIP           10.108.14.69     <none>            4000/TCP          6
d21h
ganache                             ClusterIP           10.104.93.164    <none>            8545/TCP          6
d20h
kubernetes                           ClusterIP           10.96.0.1        <none>            443/TCP           1
2d
mongodb-service                     ClusterIP           10.96.167.153    <none>            27017/TCP         1
2d
note-server-service                 ClusterIP           10.96.242.96     <none>            5000/TCP          1
2d
note-service                         LoadBalancer       10.100.23.119    <pending>        3000:31680/TCP    1
2d
prometheus-alertmanager             ClusterIP           10.98.150.126    <none>            9093/TCP          9
m10s
prometheus-alertmanager-headless    ClusterIP           None             <none>            9093/TCP          9
m10s
prometheus-kube-state-metrics       ClusterIP           10.108.124.135    <none>            8080/TCP          9
m10s
prometheus-prometheus-node-exporter ClusterIP           10.103.97.146    <none>            9100/TCP          9
m10s
prometheus-prometheus-pushgateway   ClusterIP           10.108.146.77    <none>            9091/TCP          9
m10s
prometheus-server                   ClusterIP           10.107.54.16     <none>            80/TCP            9
m10s
prometheus-server-ext               NodePort            10.108.60.20     <none>            80:31438/TCP      1
4s
react                                ClusterIP           10.96.44.254     <none>            3000/TCP          6
d20h
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kevinlin23@wdevice50:~$ minikube ip
192.168.49.2
kevinlin23@wdevice50:~$ |

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## INSTALL GRAFANA

```
kevinlin23@wdevice50:~$ helm repo add grafana https://grafana.github.io/helm-charts
"grafana" has been added to your repositories
kevinlin23@wdevice50:~$ helm repo update
Hang tight while we grab the latest from your chart repositories...
...Successfully got an update from the "grafana" chart repository
...Successfully got an update from the "prometheus-community" chart repository
Update Complete. ☺Happy Helming!☺
kevinlin23@wdevice50:~$ helm install grafana grafana/grafana
NAME: grafana
LAST DEPLOYED: Mon Feb  5 18:51:50 2024
NAMESPACE: default
STATUS: deployed
REVISION: 1
NOTES:
1. Get your 'admin' user password by running:

    kubectl get secret --namespace default grafana -o jsonpath="{.data.admin-password}" | base64 --deco
de ; echo

2. The Grafana server can be accessed via port 80 on the following DNS name from within your cluster:

    grafana.default.svc.cluster.local

    Get the Grafana URL to visit by running these commands in the same shell:
    export POD_NAME=$(kubectl get pods --namespace default -l "app.kubernetes.io/name=grafana,app.kub
ernetes.io/instance=grafana" -o jsonpath="{.items[0].metadata.name}")
    kubectl --namespace default port-forward $POD_NAME 3000

3. Login with the password from step 1 and the username: admin
#####
##### WARNING: Persistence is disabled!!! You will lose your data when #####
##### the Grafana pod is terminated. #####
#####
#####
kevinlin23@wdevice50:~$ kubectl expose service grafana --type=NodePort --target-port=3000 --name=graf
ana-ext
service/grafana-ext exposed
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```
kevinlin23@wdevice50:~$ kubectl get secret --namespace default grafana -o jsonpath="{.data.admin-passw
ord}" | base64 --decode ; echo
bgdFE0hkogueu5hcYa3T0mPewIwXy2c6Z72YDT1W
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```
kevinlin23@wdevice50:~$ minikube service list
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NAMESPACE	NAME	TARGET PORT	URL
default	dapp	No node port	
default	ganache	No node port	
default	grafana	No node port	
default	grafana-ext	80	
default	kubernetes	No node port	
default	mongodb-service	No node port	
default	note-server-service	No node port	
default	note-service	3000	
default	prometheus-alertmanager	No node port	
default	prometheus-alertmanager-headless	No node port	
default	prometheus-kube-state-metrics	No node port	
default	prometheus-prometheus-node-exporter	No node port	
default	prometheus-prometheus-pushgateway	No node port	
default	prometheus-server	No node port	
default	prometheus-server-ext	80	
default	react	No node port	
kube-system	kube-dns	No node port	

```
kevinlin23@wdevice50:~$ minikube service grafana-ext
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NAMESPACE	NAME	TARGET PORT	URL
default	grafana-ext	80	http://192.168.49.2:30653

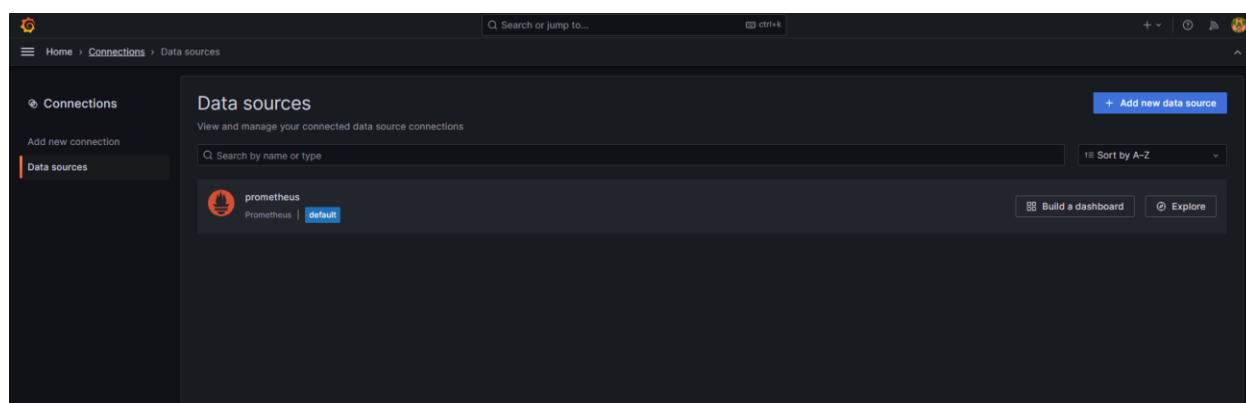
🔗 Starting tunnel for service grafana-ext.

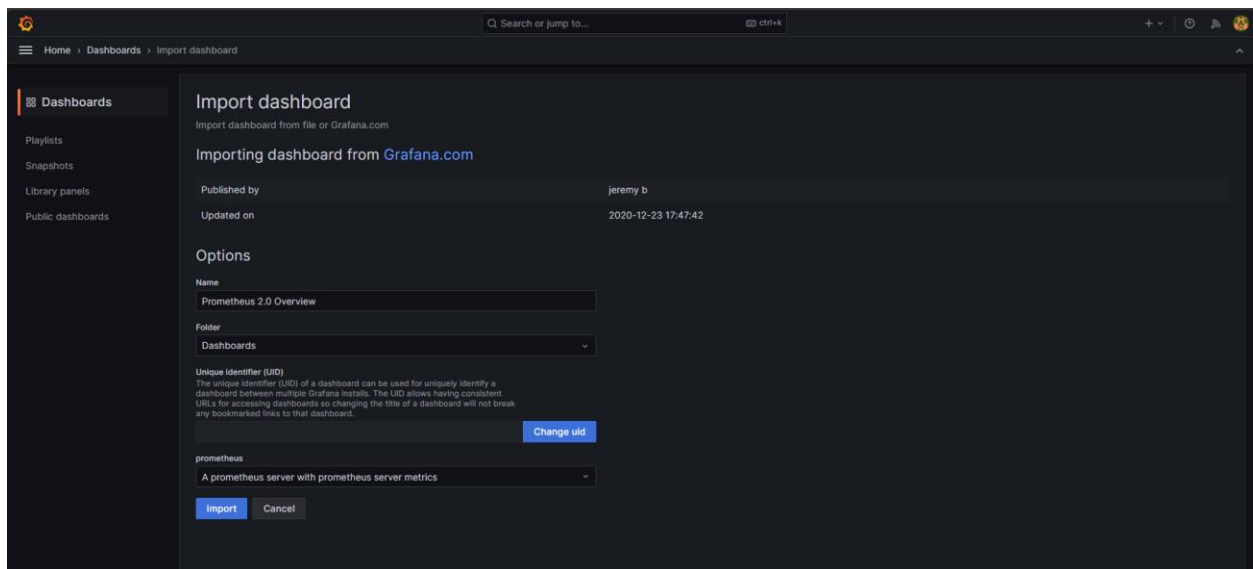
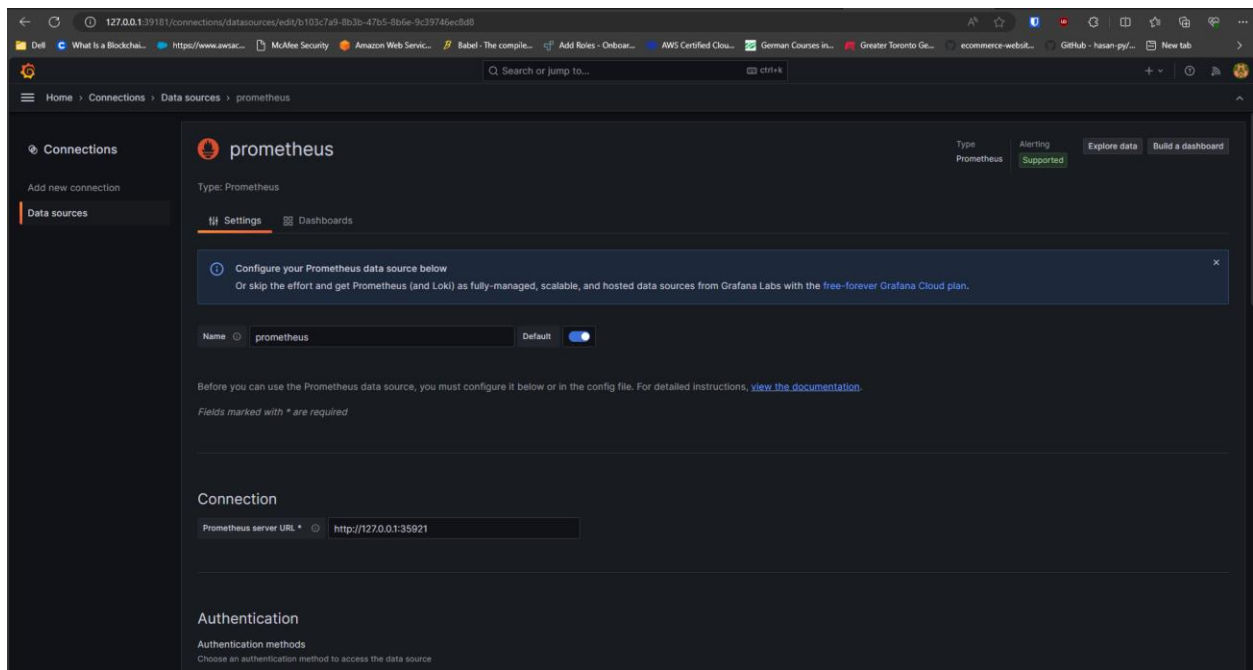
NAMESPACE	NAME	TARGET PORT	URL
default	grafana-ext		http://127.0.0.1:39181

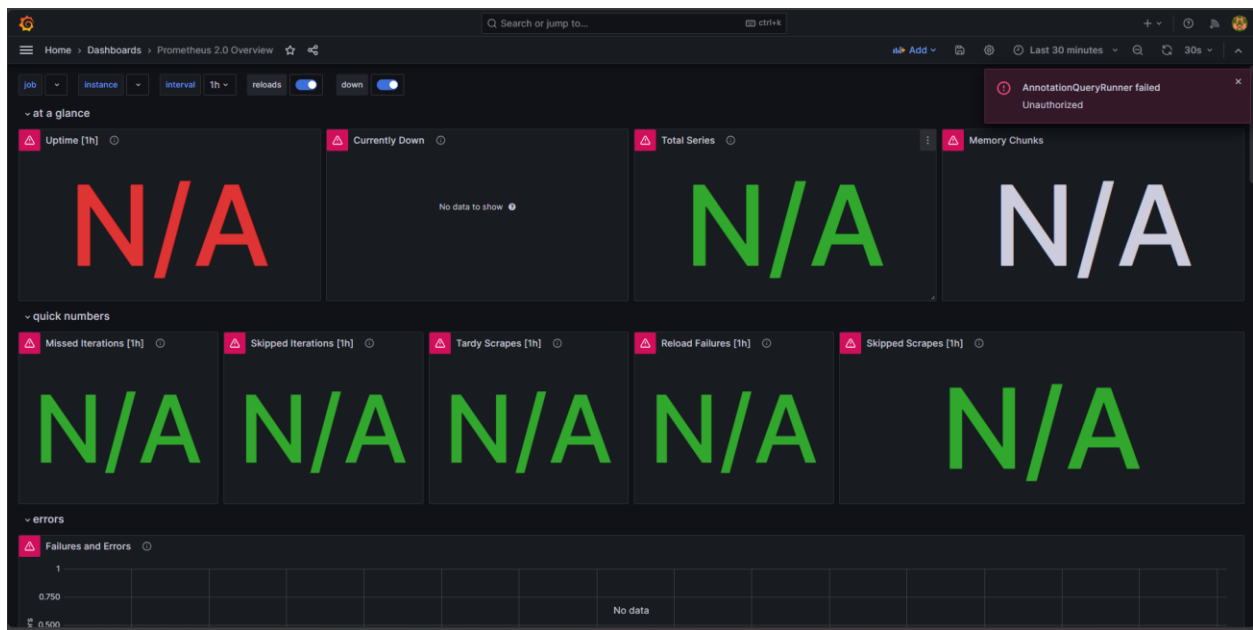
🌐 Opening service default/grafana-ext in default browser...

👉 http://127.0.0.1:39181

! Because you are using a Docker driver on linux, the terminal needs to be open to run it.







Not sure why the values are not showing up.