#### Amaan Vahora 101492067

Installation Part: -

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Andows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS. CLAWINOUSLYSytem32> choco install kubernetes-helm

PS. CLAWINOUSLYSTEM32> choco install kubernetes choco install kubernetes choco install kubernetes choco install kubernetes-helm

PS. CLAWINOUSLYSTEM32> choco install kubernetes ch
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PS C:\WINDOWS\system32> helm repo add prometheus-community https://prometheus-community.github.io/helm-charts
"prometheus-community" has been added to your repositories
PS C:\WINDOWS\system32> helm repo update
Hang tight while we grab the latest from your chart repositories...
...Successfully got an update from the "prometheus-community" chart repository
Update Complete. BHappy Helming!
PS C:\WINDOWS\system32> kubectl get pods
NAME
dapp-7dbc49bb5-m69c7 1/1 Running 2 (19m ago) 7d22h
ganache-68fcbf4785-4jbjj 0/1 Pending 0 8d
ganache-7fc8fbfbc4-dgvb6 1/1 Running 6 (19m ago) 9d
mongo-express-deployment-b88f6d45f-wmw4d 0/1 CreateContainerConfigError 0 15d
mongodb-stateful-set-0 0/1 CreateContainerConfigError 0 15d
moginx-deployment-5f4f55f467-6v9dh 1/1 Running 8 (19m ago) 15d
mginx-deployment-5f4f55f467-wmbxr7 1/1 Running 8 (19m ago) 15d
mginx-deployment-5f4f55f467-wv5r1 1/1 Running 8 (19m ago) 15d
mginx-deployment-5f4f55f467-wv5r1 1/1 Running 8 (19m ago) 15d
mginx-deployment-7f4cc946cd8-2hc6d 1/1 Running 18 (19m ago) 15d
nginx-deployment-7f4cc946cd8-2hc6d 1/1 Running 18 (19m ago) 15d
note-server-deployment-7f4cc946cd8-2hc6d 1/1 Running 18 (19m ago) 15d
note-server-deployment-5f6f5fcb67f-2qhdm 0/1 CreateContainerConfigError 0 15d
note-server-deployment-5f6fcb7f-CreateContainerConfigError 0 15d
note-server-deployment-5f6fcb7f-Xncg7 0/1 CreateContainerConfigError 0 15d
note-server-deployment-5f6fcb7f-Xncg7 0/1 CreateContainerConf
```

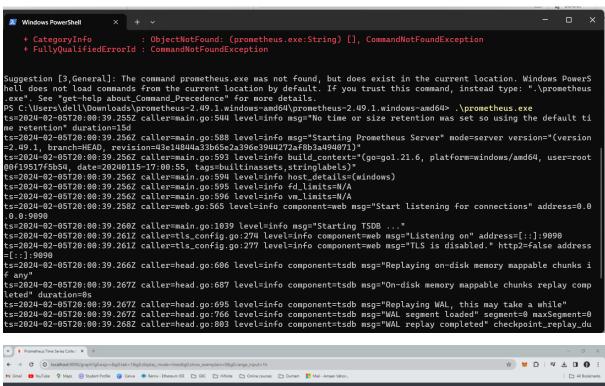
```
PS C:\WINDOWS\system32> helm install prometheus prometheus-community/prometheus
WAME: prometheus
WAME: prome
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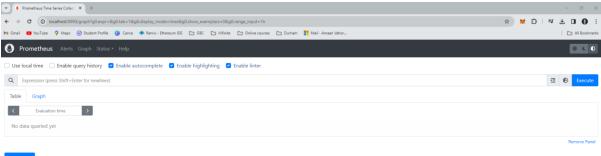
PS C:\WINDOWS\system32> kubectl get pods NAME	READY	STATUS	RESTARTS	AGE
dapp-7dbc4b9bb5-m69c7	1/1	Running	2 (21m ago)	7d23h
ganache-68fcbf4785-4jbjj	0/1	Pending	0	8d
ganache-7fc8fbfbc4-dgvb6	1/1	Running	6 (21m ago)	9d
mongo-express-deployment-b88f6d45f-wmw4d	0/1	CreateContainerConfigError	0	15d
mongodb-stateful-set-0	0/1	CreateContainerConfigError	0	15d
nginx-deployment-5f4f55f467-6v9dh	1/1	Running	8 (21m ago)	15d
nginx-deployment-5f4f55f467-mbxr7	1/1	Running	8 (21m ago)	15d
nginx-deployment-5f4f55f467-wv5rl	1/1	Running	8 (21m ago)	15d
nginx-nvpv2	1/1	Running	8 (21m ago)	15d
note-deployment-74cc946cd8-2hc6d	1/1	Running	18 (20m ago)	15d
note-deployment-74cc946cd8-88rm2	1/1	Running	17 (20m ago)	15d
note-server-deployment-6fb5fcb67f-2qhdm	0/1	CreateContainerConfigError	0	15d
note-server-deployment-6fb5fcb67f-xncg7	0/1	CreateContainerConfigError	0	15d
prometheus-alertmanager-0	1/1	Running	0	2m3s
prometheus-kube-state-metrics-745b475957-f7qdx	1/1	Running	0	2m3s
prometheus-prometheus-node-exporter-z8spr	1/1	Running	0	2m3s
prometheus-prometheus-pushgateway-6ccd698d79-tgvgc	1/1	Running	0	2m3s
prometheus-server-5c99dfc547-jcqx4	0/2	ContainerCreating	0	2m3s
react-689f46c46c-ffwht	1/1	Running	5 (21m ago)	9d
react-78495dbb48-hblnm	0/1	Pending	0	8d
web-0	0/1	Pending	0	15d
PS C:\WINDOWS\system32> _				

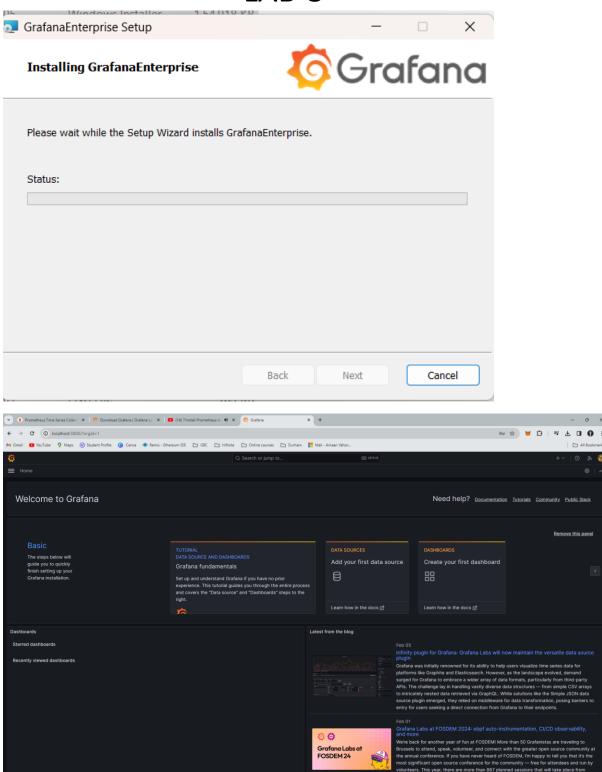
ME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
эрр	ClusterIP	10.102.68.25	<none></none>	4000/TCP	8d
anache	ClusterIP	10.106.248.20	<none></none>	8545/TCP	9d
ubernetes	ClusterIP	10.96.0.1	<none></none>	443/TCP	15d
ongo-express-service	LoadBalancer	10.106.82.114	<pending></pending>	8081:30648/TCP	15d
ongodb-service	ClusterIP	10.108.145.224	<none></none>	27017/TCP	15d
ote-server-service	ClusterIP	10.108.249.251	<none></none>	5000/TCP	15d
ote-service	LoadBalancer	10.110.51.39	<pending></pending>	3000:31125/TCP	15d
rometheus-alertmanager	ClusterIP	10.104.106.135	<none></none>	9093/TCP	2m43s
rometheus-alertmanager-headless	ClusterIP	None	<none></none>	9093/TCP	2m43s
rometheus-kube-state-metrics	ClusterIP	10.104.44.1	<none></none>	8080/TCP	2m43s
rometheus-prometheus-node-exporter	ClusterIP	10.106.99.25	<none></none>	9100/TCP	2m43s
rometheus-prometheus-pushgateway	ClusterIP	10.99.177.66	<none></none>	9091/TCP	2m43s
rometheus-server	ClusterIP	10.98.199.223	<none></none>	80/TCP	2m43s
eact	ClusterIP	10.103.40.245	<none></none>	3000/TCP	9d

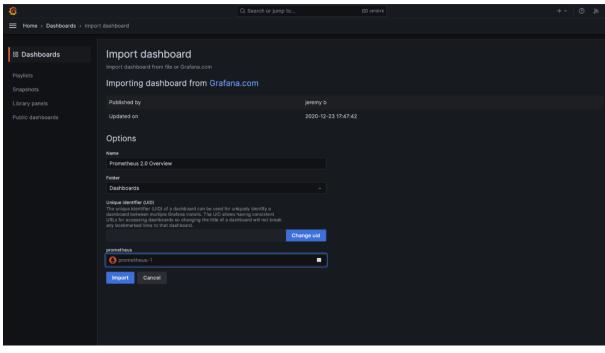
```
Sc:WIMDOMS\system32> helm repo add grafana https://grafana.github.io/helm-charts
grafana" has been added to your repositories
Sc:WIMDOMS\system32> helm repo update
grafana" has been added to your repositories...
Sc:CosexTowly got an update from the "grafana" chart repository
...Successfully got an update from the "grafana" chart repository
update Complete. Bidappy Helming!
Sc:CWIMDOMS\system32> kubecl expose service grafana --type-NodePort --target-port-3000 --name-grafana-ext
error from server (NotTown): services "grafana" not found
Sc:CWIMDOMS\system32> helm install grafana grafana/grafana
Sc:CWIMDOMS\system32> helm install grafana grafana/grafana
Sc:CWIMDOMS\system32> helm install grafana frafana/grafana
Sc:CWIMDOMS\system32> helm install grafana helps frafana
Sc:CWIMDOMS\system32> helm install grafana helps frafana helps frafana
Sc:CWIMDOMS\system32> helm install grafana helps frafana helps
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```
PS C:\WINDOWS\system32> kubectl get cm
>> kubectl edit cm prometheus-server
NAME DATA AGE
grafana 1 2m46s
kube-root-ca.crt 1 15d
prometheus-alertmanager 1 7m54s
prometheus-server 6 7m54s
```

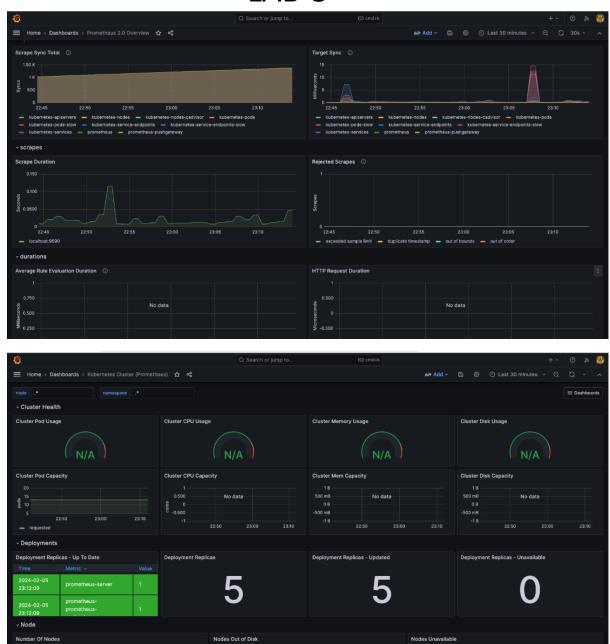












N/A