

من کلیه گام های بخش ها رو به صورت یکجا صحبت میکنم :

اول اینکه یک هلم چارت داریم که این وظیفه بالا آوردن دیپلویمنت ها و اینگرس و سرویس مربوط به kaas-api هست از طرفی دیگر دو تا فایل دیگر داریم که وظیفه آنها این است که postgres-master و postgres-slave رو بالا بیاورد. این فایل ها رو میتوانید kaas-api/templates مشاهده کنید.

حال میریم به سراغ api های kaas-api این سرویس شامل ۵ api است که در پایتون و توسط fastapi مدیریت میشوند.

```
@app.post("/applications")
def add_new_application(app_data: ...):...

@app.get("/deployments/{namespace}/{app_name}")
def get_deployment_status(namespace: ..., app_name: ... = ''):...

@app.post("/postgres")
def create_postgres_service(app_data: ...):...

@app.post("/ping")
def ping():...

@app.get("/health/{app_name}")
def health(app_name: ...):...
```

این موارد به این صورت کار میکنند :

Application

این api همون کار بخش اول گام دوم رو انجام میده که با استفاده از کتابخانه `kubernetes.client` یک سرویس و دیپلویمنت و اینگرس برای این اپ بالا میاورد از طرف دیگر یک کرون جاب هم برای هر اپلیکیشنی بالا میاریم به خاطر گام ۵ وظیفه این کران جان این است که اگر mentoring در درخواست `true` بود میاد و یک کران جاب میارد بالا تا به مسیر `healthz/` در آن سرویس ریکوست بزنه و ریسپانس اگر ۲۰۰ بود در دیتابیس آن را اپدیت کنه

Api هایی مربوط به دیپلویمنت نیز همان کار بخش دوم گام دوم را انجام میده.

در مورد بعدی `api create postgres service` رو داریم که میاد بیس یک پوسترگرس رو دریافت میکنه و یک پوسترگرس رو بالا میاره.

مورد بعدی چک کردن وضعیت `health` یک سرویس است که مانیتور شده بوده.

جزئیات چون زیاده اینها رو توی ارائه بهش اشاره میکنیم.

و به اسکرین شات گذاشتن از ریزالت ها بسنده میکنیم :

```
cafebazaar@Mohammad-2 cc_project % helm upgrade --install kaas-api ./kaas-api
```

```
Release "kaas-api" has been upgraded. Happy Helming!  
NAME: kaas-api  
LAST DEPLOYED: Wed Jul 3 20:13:59 2024  
NAMESPACE: default  
STATUS: deployed  
REVISION: 3  
TEST SUITE: None  
NOTES:  
1. Get the application URL by running these commands:  
http://kaas-api.localhost/
```

بالا آوردن هلم چارت

```
cafebazaar@Mohammad-2 cc_project % kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
kass-api-7ff559979b-xr84h	0/1	CrashLoopBackOff	10 (3m21s ago)	31m
my-kaas-api-postgresql-0	1/1	Running	0	31m
postgres-master-0	1/1	Running	0	31m
postgres-slave-0	1/1	Running	0	31m
test-connection	0/1	Completed	0	31m

وضعیت پاد ها

حالا یک سرویس خودمون اضافه میکنیم که این سرویس /healthz رو ۲۰۰ برمیگردونه
سپس وضعیت پاد ها : که کران جاب ران شده رو مشاهده میکنید.

```
cafebazaar@Mohammad-2 ~ % kubectl get cronjobs
```

NAME	SCHEDULE	SUSPEND	ACTIVE	LAST SCHEDULE	AGE
health-health-check	*/* * * * *	False	0	2m14s	45m

```
cafebazaar@Mohammad-2 ~ % kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
health-5bcc5fc95-7xdlp	1/1	Running	0	45m
health-health-check-28666910-xtk29	0/1	Completed	0	12m
health-health-check-28666915-dtrsh	0/1	Completed	0	7m29s
health-health-check-28666920-645ct	0/1	Completed	0	2m29s
kaas-api-postgresql-0	1/1	Running	0	76m
kass-api-5f88f6d49d-dkbsg	1/1	Running	0	48m
postgres-master-0	1/1	Running	0	76m
postgres-slave-0	1/1	Running	0	76m
test-connection	0/1	Completed	0	76m

سپس درخواست برای گرفتن استیت سلامتی یک پاد :

```
cafebazaar@Mohammad-2 cc_project % curl -X POST "http://kass-api.localhost:8000/health/health"  
{  
  "app_name": "health",  
  "failure_count": 1,  
  "success_count": 14,  
  "last_failure": "2024-07-03T16:41:53",  
  "last_success": "2024-07-03T16:50:12",  
  "created_at": "2024-07-03T13:27:50"  
}
```

که میبینم به درستی باز میگرداند

تست:

```
C:\Users\Lenovo\Desktop\cc_project>helm package kaas-api
Successfully packaged chart and saved it to: C:\Users\Lenovo\Desktop\cc_project\kaas-api-0.1.0.tgz

C:\Users\Lenovo\Desktop\cc_project>helm install kaas-api ./kaas-api-0.1.0.tgz
NAME: kaas-api
LAST DEPLOYED: Thu Jul 4 01:06:30 2024
NAMESPACE: default
STATUS: deployed
REVISION: 1
TEST SUITE: None
NOTES:
1. Get the application URL by running these commands:
  http://kaas-api.localhost/
```

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
kaas-api-59ff545b69-9bzvn           1/1     Running   0           36s
kaas-api-postgresql-0               1/1     Running   0           36s
nginx-ingress-ingress-nginx-controller-7b6bf7f4cd-5khn7  1/1     Running   10 (16m ago)  6d5h
postgres-master-0                   1/1     Running   0           36s
postgres-slave-0                    1/1     Running   0           36s
test-connection                     0/1     Completed 0           36s
```

نمایش صحت عملکرد probe ها

```
C:\Users\Lenovo\Desktop\cc_project>kubectl logs kaas-api-59ff545b69-9bznv
INFO:main:load incluster config passed
INFO:      Started server process [1]
INFO:      Waiting for application startup.
INFO:      Application startup complete.
INFO:      Uvicorn running on http://0.0.0.0:8000 (Press CTRL+C to quit)
INFO:main:startup: done
INFO:      10.244.0.1:33932 - "GET /startup HTTP/1.1" 200 OK
INFO:main:readiness: deployment status created in readiness
INFO:main:readiness: done
INFO:      10.244.0.1:33948 - "GET /ready HTTP/1.1" 200 OK
INFO:main:liveness: done
INFO:      10.244.0.1:56116 - "GET /healthz HTTP/1.1" 200 OK
INFO:main:readiness: deployment status created in readiness
INFO:main:readiness: done
INFO:      10.244.0.1:56104 - "GET /ready HTTP/1.1" 200 OK
INFO:main:liveness: done
INFO:      10.244.0.1:60662 - "GET /healthz HTTP/1.1" 200 OK
INFO:main:readiness: deployment status created in readiness
INFO:main:readiness: done
INFO:      10.244.0.1:60646 - "GET /ready HTTP/1.1" 200 OK
INFO:main:liveness: done
INFO:      10.244.0.1:40926 - "GET /healthz HTTP/1.1" 200 OK
INFO:main:readiness: deployment status created in readiness
INFO:main:readiness: done
INFO:      10.244.0.1:40918 - "GET /ready HTTP/1.1" 200 OK
```

نمایش صحت عملکرد api ساخت app

```
C:\Users\Lenovo>kubectl port-forward kaas-api-59ff545b69-9bznv 8000
Forwarding from 127.0.0.1:8000 -> 8000
Forwarding from [::1]:8000 -> 8000
```

localhost:8000/applications

POST localhost:8000/applications

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary JSON

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

```
{
  "AppName": "test-1",
  "Replicas": 3,
  "ImageAddress": "nginx",
  "ImageTag": "latest",
  "DomainAddress": "myapp.example.com",
  "ServicePort": 8080,
  "Monitor": "false",
  "Resources": {
    "CPU": "500m",
    "RAM": "1Gi"
  },
  "Envs": [
    {
      "Key": "DATABASE_URL",
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

1
2
3

```
{
  "status": "Application created successfully"
```

Status: 200 OK Time: 82 ms Size: 170 B Save Response

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get pods
NAME                                     READY   STATUS    RESTARTS   AGE
kaas-api-59ff545b69-9bznv               1/1     Running   0           17m
kaas-api-postgresql-0                   1/1     Running   0           17m
nginx-ingress-ingress-nginx-controller-7b6bf7f4cd-5khn7  1/1     Running   10 (33m ago)  6d6h
postgres-master-0                       1/1     Running   0           17m
postgres-slave-0                       1/1     Running   0           17m
test-1-687f76bbc4-bj6wp                 1/1     Running   0           88s
test-1-687f76bbc4-c6rdf                 1/1     Running   0           88s
test-1-687f76bbc4-zww97                 1/1     Running   0           88s
test-connection                         0/1     Completed 0           17m
```

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get deployments
NAME                                     READY   UP-TO-DATE   AVAILABLE   AGE
kaas-api                               1/1     1             1           18m
nginx-ingress-ingress-nginx-controller 1/1     1             1           8d
test-1                                 3/3     3             3           2m35s
```

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get services
NAME                                     TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
kaas-api                               ClusterIP    10.99.187.45     <none>        80/TCP           19m
kaas-api-postgresql                    ClusterIP    10.97.235.195    <none>        5432/TCP         19m
kaas-api-postgresql-hl                  ClusterIP    None             <none>        5432/TCP         19m
kubernetes                              ClusterIP    10.96.0.1        <none>        443/TCP          59d
nginx-ingress-ingress-nginx-controller  LoadBalancer 10.99.164.84     127.0.0.1     80:32094/TCP,443:31347/TCP  8d
nginx-ingress-ingress-nginx-controller-admission  ClusterIP    10.106.99.235    <none>        443/TCP          8d
postgres-master                         ClusterIP    10.103.41.50     <none>        5432/TCP         19m
postgres-slave                         ClusterIP    10.102.162.222   <none>        5432/TCP         19m
test-1                                 ClusterIP    10.111.85.27     <none>        8080/TCP         3m20s
```

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get ingress
NAME          CLASS    HOSTS                ADDRESS      PORTS      AGE
kaas-api      nginx    kaas-api.localhost   127.0.0.1    80         20m
test-1 ←      <none>   myapp.example.com    80          4m2s
```

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get secrets
NAME                                TYPE      DATA      AGE
kaas-api-postgresql                Opaque    1          20m
my-postgres-secret                 Opaque    2          2d1h
nginx-ingress-ingress-nginx-admission Opaque    3          8d
sh.helm.release.v1.kaas-api.v1     helm.sh/release.v1  1          20m
sh.helm.release.v1.nginx-ingress.v1 helm.sh/release.v1  1          8d
test-1-secret ←                    Opaque    1          4m37s
```

گرفتن وضعیت همه deployment ها

The screenshot shows a REST client interface with the following details:

- URL:** localhost:8000/deployments/default/
- Method:** GET
- Status:** 200 OK, Time: 49 ms, Size: 790 B
- Body (JSON):**

```
{
  "DeploymentName": "nginx-ingress-ingress-nginx-controller",
  "Replicas": 1,
  "ReadyReplicas": 1,
  "PodStatuses": []
},
{
  "DeploymentName": "test-1",
  "Replicas": 3,
  "ReadyReplicas": 3,
  "PodStatuses": [
    {
      "Name": "test-1-687f76bbc4-bj6wp",
      "Phase": "Running",
      "HostIP": "192.168.49.2",
      "PodIP": "10.244.1.53",
      "Ready": true
    }
  ]
}
```

گرفتن وضعیت یک deployment

localhost:8000/deployments/default/test-1

GET localhost:8000/deployments/default/test-1

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary

This request does not have a body

Body Cookies Headers (4) Test Results

Status: 200 OK Time: 42 ms Size: 602 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "DeploymentName": "test-1",
3   "Replicas": 3,
4   "ReadyReplicas": 3,
5   "PodStatuses": [
6     {
7       "Name": "test-1-687f76bbc4-bj6wp",
8       "Phase": "Running",
9       "HostIP": "192.168.49.2",
10      "PodIP": "10.244.1.53",
11      "StartTime": "07/03/2024, 21:58:41"
12    },
13    {
14      "Name": "test-1-687f76bbc4-c6rdf",
15      "Phase": "Running",
16      "HostIP": "192.168.49.2",
17      "PodIP": "10.244.1.52",
```

ساخت سلف سرویس

localhost:8000/postgres

POST localhost:8000/postgres

Params Auth Headers (8) Body Pre-req. Tests Settings Cookies Beautify

raw JSON

```
1 {
2   "AppName": "self-service",
3   "Resources": {
4     "cpu": "500m",
5     "memory": "1Gi"
6   },
7 }
```

Body

200 OK 107 ms 175 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "status": "Postgres service created successfully"
3 }
```

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
kaas-api-59ff545b69-spptp	1/1	Running	0	4m10s
kaas-api-postgresql-0	1/1	Running	0	4m10s
nginx-ingress-ingress-nginx-controller-7b6bf7f4cd-5khn7	1/1	Running	10 (74m ago)	6d6h
postgres-master-0	1/1	Running	0	4m10s
postgres-slave-0	1/1	Running	0	4m10s
self-service-0	1/1	Running	0	2m44s
test-1-687f76bbc4-bj6wp	1/1	Running	0	42m
test-1-687f76bbc4-c6rdf	1/1	Running	0	42m
test-1-687f76bbc4-zww97	1/1	Running	0	42m
test-connection	0/1	Completed	0	4m11s

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get secrets
```

NAME	TYPE	DATA	AGE
kaas-api-postgresql	Opaque	1	4m43s
my-postgres-secret	Opaque	2	2d2h
nginx-ingress-ingress-nginx-admission	Opaque	3	8d
self-service-secret	Opaque	2	3m16s
sh.helm.release.v1.kaas-api.v1	helm.sh/release.v1	1	4m43s
sh.helm.release.v1.nginx-ingress.v1	helm.sh/release.v1	1	8d
test-1-secret	Opaque	1	42m

برای فعال سازی hpa در values.yaml آن را true میکنیم سپس هلم را upgrade میکنیم. (من برای تست threshold آن را 5 درصد گذاشته ام.)

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get hpa
```

NAME	REFERENCE	TARGETS	MINPODS	MAXPODS	REPLICAS	AGE
kaas-api	Deployment/kaas-api	3%/5%	1	10	1	43s

حالا یک اپ تستی میسازم و سپس روی آن لود می آورم تا ساخت رپلیکای خودکار را ببینیم:

```
In powershell :
for ($i = 1; $i -le 2; $i++) {
    kubectl run load-generator-$i --image=busybox -- /bin/sh -c "while true; do wget -q -O-
http://kaas-api; done"
}
```

میبینیم که با افزایش لود رپلیکای جدید اتوماتیک ساخته میشود


```
C:\Users\Lenovo\Desktop\cc_project>kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
debug	1/1	Running	0	6m38s
kaas-api-59ff545b69-2j8v7	1/1	Running	0	43s
kaas-api-59ff545b69-5kkr4	1/1	Running	0	43s
kaas-api-59ff545b69-8j8g5	1/1	Running	0	43s
kaas-api-59ff545b69-rqg76	1/1	Running	0	43s
kaas-api-59ff545b69-spptp	1/1	Running	0	23m
kaas-api-postgresql-0	1/1	Running	0	23m
load-generator-1	1/1	Running	0	80s
load-generator-2	1/1	Running	0	80s
nginx-ingress-nginx-controller-7b6bf7f4cd-5khn7	1/1	Running	10 (94m ago)	6d7h
postgres-master-0	1/1	Running	0	23m
postgres-slave-0	1/1	Running	0	23m
self-service-0	1/1	Running	0	22m
test-1-687f76bbc4-bj6wp	1/1	Running	0	61m
test-1-687f76bbc4-c6rdf	1/1	Running	0	61m
test-1-687f76bbc4-zww97	1/1	Running	0	61m
test-2-79d74d464f-tbl6f	1/1	Running	0	11m
test-connection	0/1	Completed	0	23m

prometheus , grafana نصب

```
C:\Users\Lenovo\Desktop\cc_project>helm install prometheus prometheus-community/prometheus
```

NAME: prometheus
LAST DEPLOYED: Thu Jul 4 02:36:49 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.kubernetes.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 cluster:
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.kubernetes.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 cluster:
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=pushgateway" -o jsonpath="{.items[0].metadata.name}")
kubectl --namespace default port-forward \$POD_NAME 9091

For more information on running Prometheus, visit:
<https://prometheus.io/>

```
C:\Users\Lenovo\Desktop\cc_project>helm repo add grafana https://grafana.github.io/helm-charts
"grafana" already exists with the same configuration, skipping

C:\Users\Lenovo\Desktop\cc_project>helm install grafana grafana/grafana
NAME: grafana
LAST DEPLOYED: Thu Jul 4 02:35:48 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 --decode ; 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.kubernetes.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. #####
#####
```

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get pod
NAME                                READY   STATUS    RESTARTS   AGE
grafana-646db7ccff-15qg6           1/1     Running   0           65s
kaas-api-59ff545b69-rqg76         1/1     Running   0           7m17s
kaas-api-59ff545b69-spptp         1/1     Running   0           30m
kaas-api-postgresql-0             1/1     Running   0           30m
nginx-ingress-ingress-nginx-controller-7b6bf7f4cd-5khn7  1/1     Running   10 (100m ago)  6d7h
postgres-master-0                 1/1     Running   0           30m
postgres-slave-0                  1/1     Running   0           30m
prometheus-alertmanager-0         1/1     Running   0           4s
prometheus-kube-state-metrics-d7875bd57-gd68b             0/1     Running   0           4s
prometheus-prometheus-node-exporter-bb6s2                 1/1     Running   0           4s
prometheus-prometheus-pushgateway-56985ddc76-w76tk        0/1     Running   0           4s
prometheus-server-67d6d48456-vcptj                         1/2     Running   0           4s
self-service-0              1/1     Running   0           28m
test-1-687f76bbc4-bj6wp         1/1     Running   0           68m
test-1-687f76bbc4-c6rdf         1/1     Running   0           68m
test-1-687f76bbc4-zww97         1/1     Running   0           68m
test-2-79d74d464f-tbl6f         1/1     Running   0           18m
test-connection                 0/1     Completed 0           30m
```

هر دو را port forward ميکنيم (9090 و 3000)

Prometheus:

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://10.244.1.81:8080/metrics	UP	app.kubernetes.io/component="metrics" app.kubernetes.io/instance="prometheus" app.kubernetes.io/managed-by="Helm" app.kubernetes.io/name="kube-state-metrics" app.kubernetes.io/part-of="kube-state-metrics" app.kubernetes.io/version="2.12.0" helm.sh/chart="kube-state-metrics-5.20.0" instance="10.244.1.81:8080" job="kubernetes-service-endpoints" namespace="default" node="minikube" service="prometheus-kube-state-metrics"	41.22s ago	4.854ms	
http://10.244.1.58:8000/metrics	UP	app.kubernetes.io/instance="kaas-api" app.kubernetes.io/managed-by="Helm" app.kubernetes.io/name="kaas-api" helm.sh/chart="kaas-api-0.1.0" instance="10.244.1.58:8000" job="kubernetes-service-endpoints" namespace="default" node="minikube" service="kaas-api"	37.62s ago	6.085ms	
http://10.244.1.70:8000/metrics	UP	app.kubernetes.io/instance="kaas-api" app.kubernetes.io/managed-by="Helm" app.kubernetes.io/name="kaas-api" helm.sh/chart="kaas-api-0.1.0" instance="10.244.1.70:8000" job="kubernetes-service-endpoints" namespace="default" node="minikube" service="kaas-api"	30.175s ago	5.481ms	
http://10.244.1.37:9153/metrics	UP	instance="10.244.1.37:9153" job="kubernetes-service-endpoints" k8s_app="kube-dns" kubernetes.io/cluster-service="true" kubernetes.io/name="CoreDNS" namespace="kube-system" node="minikube" service="kube-dns"	42.572s ago	2.915ms	
http://192.168.49.2:9100/metrics	UP	app.kubernetes.io/component="metrics" app.kubernetes.io/instance="prometheus" app.kubernetes.io/managed-by="Helm" app.kubernetes.io/name="prometheus-node-exporter" app.kubernetes.io/part-of="prometheus-node-exporter" app.kubernetes.io/version="1.8.1"	47.672s ago	32.407ms	

Grafana

برای پیدا کردن پسورد :

```
kubectl get secret --namespace default grafana -o jsonpath="{.data.admin-password}"
```

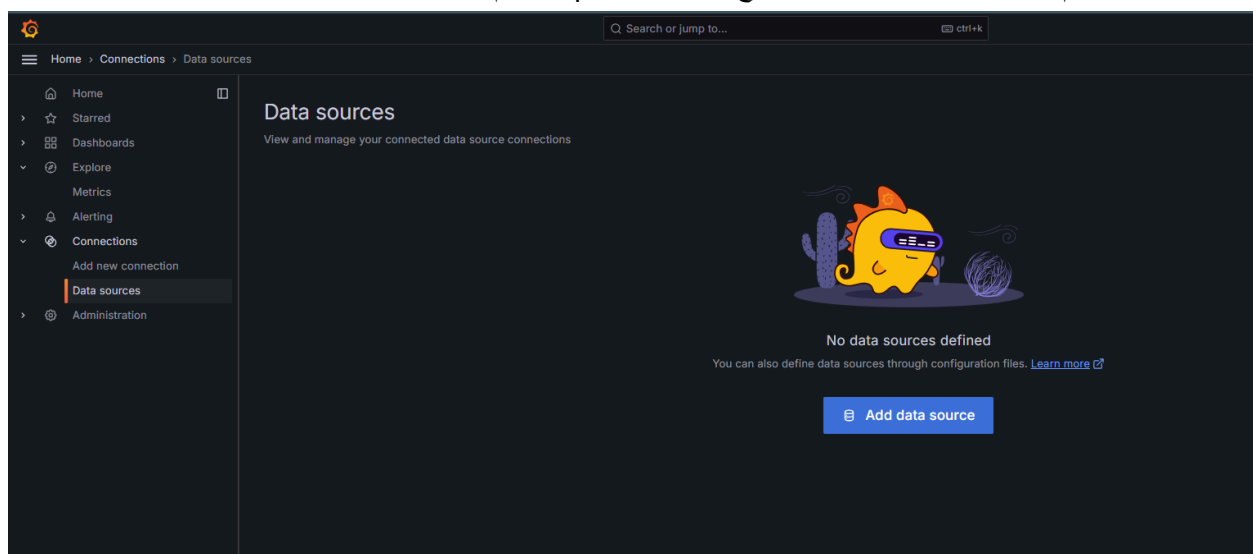
که خروجی base64 است

```
C:\Users\Lenovo\Desktop\cc_project>kubectl get secret --namespace default grafana -o jsonpath="{.data.admin-password}"
YnBsdxExkeWgzYU82SUNRZzRiQ2J6TVIxR2l3aXRJRjJXTEJnaTBkSA==
```

آن را از این سایت دیکود میکنیم

<https://www.base64decode.org/>

حالا به گرافانا میرویم و در اینجا یک دیتاسورس از نوع prometheus میسازیم



و در قسمت url آن این را قرار میدهیم

سپس یک داشبورد با فایل `dashboard.json` میسازیم.

