

## به نام خدا

GET Get Price POST Subscribe + ... No Environment

Payak / Get Price Save Send

GET http://165.227.140.224:2758/bitcoin/price

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

Query Params

Key	Value	Description	...	Bulk Edit
Key	Value	Description		

Body Cookies Headers (8) Test Results Status: 200 OK Time: 972 ms Size: 1.37 KB Save as Example

Pretty Raw Preview Visualize JSON

```
1 {
2   "data": [
3     {
4       "coin_name": "bitcoin",
5       "price": 316,
6       "createdAt": "2023-06-28T23:52:13.399Z"
7     },
8   ],
9   "coin_name": "bitcoin",
10  "price": 320,
11  "createdAt": "2023-06-28T23:51:33.394Z"
12 },
13 }
```

GET Get Price POST Subscribe + ... No Environment

Payak / Subscribe Save Send

POST http://165.227.140.224:2758/bitcoin/subscribe

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

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

```
1 {
2   "email": "e@gmail.com",
3   "difference_percentage": 1
4 }
```

Body Cookies Headers (8) Test Results Status: 201 Created Time: 365 ms Size: 469 B Save as Example

Pretty Raw Preview Visualize JSON

```
1 {
2   "data": {
3     "coin_name": "bitcoin",
4     "email": "e@gmail.com",
5     "difference_percentage": 1,
6     "_id": "649cc115cb47eb2400fe9c7c",
7     "createdAt": "2023-06-28T23:24:05.156Z",
8     "updatedAt": "2023-06-28T23:24:05.156Z",
9     "__v": 0
10  }
11 }
```

Create Docker Image :

```
docker image build --target production -t cc-bepa:0.0.3 .
```

```
docker image build --target production -t cc-payk:0.0.1 .
```

Push Docker Images:

```
docker image tag cc-bepa:0.0.3 erf272758/cc-bepa:0.0.3 && docker
image push erf272758/cc-bepa:0.0.3
```

```
docker image tag cc-payk:0.0.1 erf272758/cc-payk:0.0.1 && docker
image push erf272758/cc-payk:0.0.1
```

```
root@eifa-fra1:~# docker image tag cc-bepa:0.0.3 erf272758/cc-bepa:0.0.3 && docker image push erf272758/cc-bepa:0.0.3
The push refers to repository [docker.io/erfan272758/cc-bepa]
4fff4760aa02: Pushed
15293a8e6cdf: Pushed
a4740ea00a1c: Pushed
5bdd92ff4c6f: Pushed
b4d4afcb7d3: Pushed
8b745df9e384: Mounted from library/node
b452b4e9e6cd: Mounted from library/node
99a0d589b696: Mounted from library/node
f1479df99400: Mounted from library/node
882fd36bfd35: Mounted from library/node
d1dec9917839: Mounted from library/node
d38adf39e1dd: Mounted from library/node
4ed121b04368: Mounted from library/node
d9d07d703dd5: Mounted from library/node
0.0.3: digest: sha256:81bcbfb25ff000d2b4ad93b12a6f2ec3a4852d6851a0b9a17fa3d15306b9ed3c size: 3257
root@eifa-fra1:~# docker image tag cc-payk:0.0.1 erf272758/cc-payk:0.0.1 && docker image push erf272758/cc-payk:0.0.1
The push refers to repository [docker.io/erfan272758/cc-payk]
fa74eccc1198: Pushed
2ebc7244d0cd: Pushed
d0be54fbb0d1: Pushed
4122aa154d95: Pushed
b4d4afcb7d3: Mounted from erf272758/cc-bepa
8b745df9e384: Mounted from erf272758/cc-bepa
b452b4e9e6cd: Mounted from erf272758/cc-bepa
99a0d589b696: Mounted from erf272758/cc-bepa
f1479df99400: Mounted from erf272758/cc-bepa
882fd36bfd35: Mounted from erf272758/cc-bepa
d1dec9917839: Mounted from erf272758/cc-bepa
d38adf39e1dd: Mounted from erf272758/cc-bepa
4ed121b04368: Mounted from erf272758/cc-bepa
d9d07d703dd5: Mounted from erf272758/cc-bepa
0.0.1: digest: sha256:8415e70b43b4b9387754759fe427afb4a47d99a152848c342ec51ae9c59f537 size: 3260
root@eifa-fra1:~#
```

Deploy :

```
docker container run -d -e MONGO_PORT=27017 -e MONGO_USER=amin -e
MONGO_PASS=admin -e MONGO_HOST=my-mongo --network moyMongo -e
PORT=2758 -p 2758:2758 --name cc-payk cc-payk:0.0.1
```

```
docker container run -d -i -e MONGO_PORT=27017 -e MONGO_USER=amin -e
MONGO_PASS=admin -e MONGO_HOST=my-mongo --network moyMongo -e
COINNEWS_BASE_URL=http://coinnews-container:8000/api -e
EMAIL_API_KEY=$EMAIL_API_KEY --name cc-bepa cc-bepa:0.0.3
```

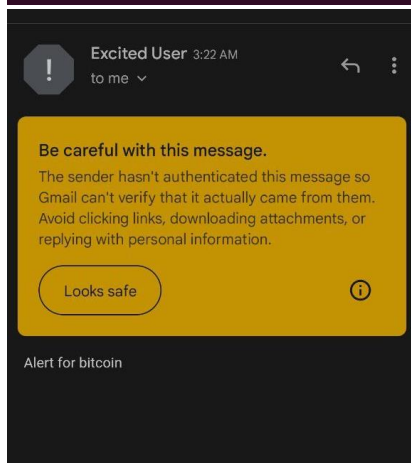
```
docker network connect coinnet cc-bepa
```

← → ↻ Not secure | 165.227.140.224:2758/BTO/price

Jira میز کار home چک expo dns reg AL Socket.IO Gateways | NestJS -... jobin

```
{"data":[]}
```

```
root@a071194becbc:/app# export MONGO_URL="mongodb://$MONGO_USER:$MONGO_PASS@$MONGO_HOST:$MONGO_PORT" && node index.js
DB Connected
after aggregate : [
  {
    _id: 'bitcoin',
    docs: [ [Object], [Object] ],
    coin_name: 'bitcoin'
  }
]
email sented
root@a071194becbc:/app#
```



## Kubectl:

```
root@eifa-fral:~/deploy/cc-final/kube# kubectl apply -f configmap.yml
configmap/my-configmap unchanged
root@eifa-fral:~/deploy/cc-final/kube# kubectl apply -f secret.yml
secret/app-secret created
root@eifa-fral:~/deploy/cc-final/kube# kubectl apply -f mongo-pvc.yml
persistentvolumeclaim/mongo-pvc created
root@eifa-fral:~/deploy/cc-final/kube# kubectl apply -f mongo-deploy.yml
deployment.apps/mongo-deployment created
root@eifa-fral:~/deploy/cc-final/kube# kubectl apply -f mongo-service.yml
service/mongo-service created
root@eifa-fral:~/deploy/cc-final/kube# kubectl apply -f cronjob.yml
cronjob.batch/my-cronjob created
root@eifa-fral:~/deploy/cc-final/kube# kubectl apply -f .yml
coinnews_configmap.yml coinnews_service.yml mongo-deploy.yml peyk_deployment.yml
coinnews_deployment.yml configmap.yml mongo-pvc.yml peyk_service.yml
coinnews_ingress.yml cronjob.yml mongo-service.yml secret.yml
root@eifa-fral:~/deploy/cc-final/kube# kubectl apply -f peyk_deployment.yml
deployment.apps/cc-payk created
root@eifa-fral:~/deploy/cc-final/kube# kubectl apply -f peyk_service.yml
service/peyk-service created
root@eifa-fral:~/deploy/cc-final/kube#
```

Every 2.0s: minikube kubectl -- get pods

NAME	READY	STATUS	RESTARTS	AGE
cc-payk-778b8dfd56-pnflx	1/1	Running	0	9m21s
coinnews-79b6fb6c49-q696r	1/1	Running	0	9m21s
mongo-deployment-776c5688c6-wv7gr	1/1	Running	0	9m21s
my-cronjob-28133412-flrx4	0/1	Completed	0	2m15s

+

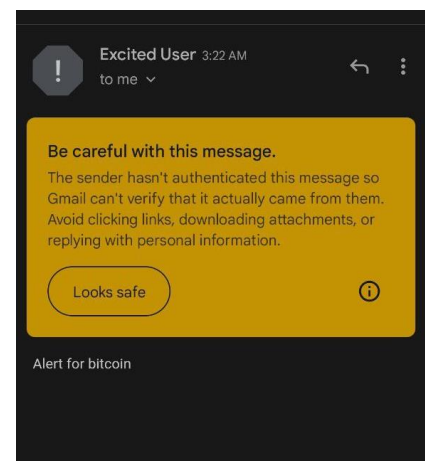
```
Every 2.0s: minikube kubectl -- get pods -o wide
```

NAME	READY	STATUS	RESTARTS	AGE	IP	NODE	NOMINATED NODE	READINESS GATES
cc-payk-778b8dfd56-pnflx	1/1	Running	0	11m	10.244.0.26	minikube	<none>	<none>
coinnews-79b6fb6c49-q696r	1/1	Running	0	11m	10.244.0.25	minikube	<none>	<none>
mongo-deployment-776c5688c6-wv7gr	1/1	Running	0	11m	10.244.0.27	minikube	<none>	<none>
my-cronjob-28133412-flrx4	0/1	Completed	0	4m31s	10.244.0.30	minikube	<none>	<none>
my-cronjob-28133415-m5bzq	0/1	Completed	0	91s	10.244.0.31	minikube	<none>	<none>

برای پایگاه داده یک رپلیکا ایجاد کردیم زیرا دیتابیس بر روی یک ریسورس مشترک فعالیت میکند و بهتر است تنظیمات مدیریت ان بر عهده خود دیتابیس باشد و رپلیکا های ان بوسیله کوبر مدیریت نشود

```
root@eifa-fra1:~# kubectl get deployment cc-payk
root@eifa-fra1:~# curl --location 'http://localhost:2758/bitcoin/price'
{"data":[{"coin_name":"bitcoin","price":49994,"createdAt":"2023-06-29T02:23:55.685Z"}, {"coin_name":"bitcoin","price":49991,"createdAt":"2023-06-29T02:20:55.675Z"}, {"coin_name":"bitcoin","price":49995,"createdAt":"2023-06-29T02:17:55.664Z"}, {"coin_name":"bitcoin","price":49990,"createdAt":"2023-06-29T02:14:55.658Z"}, {"coin_name":"bitcoin","price":49997,"createdAt":"2023-06-29T02:11:55.649Z"}, {"coin_name":"bitcoin","price":50005,"createdAt":"2023-06-29T02:09:05.643Z"}, {"coin_name":"bitcoin","price":50005,"createdAt":"2023-06-29T02:08:55.642Z"}]}root@eifa-fra1:~# kubectl get deployment cc-payk
Status: inactive
root@eifa-fra1:~/deploy/cc-final/kube# kubectl port-forward cc-payk-778b8dfd56-pnflx 2758:2758
Forwarding from 127.0.0.1:2758 -> 2758
Forwarding from [::1]:2758 -> 2758
Handling connection for 2758
Handling connection for 2758
Handling connection for 2758
```

```
root@eifa-fra1:~# curl --location 'http://localhost:2758/bitcoin/subscribe' \
> --header 'Content-Type: application/json' \
> --data-raw '{
>   "email" : "e@gmail.com",
>   "difference_percentage" : 1
> }'
{"data":{"coin_name":"bitcoin","email":"e@gmail.com","difference_percentage":1,"_id":"649cec066c399a4885bc26c5","createdAt":"2023-06-29T02:27:18.160Z","updatedAt":"2023-06-29T02:27:18.160Z","_v":0}}root@eifa-fra1:~#
```



ساخت HPA :

```
root@eifa-fra1:~# kubectl autoscale deployment cc-payk --cpu-percent=80 --min=1 --max=10
horizontalpodautoscaler.autoscaling/cc-payk autoscaled
root@eifa-fra1:~# kubectl get hpa
NAME          REFERENCE          TARGETS          MINPODS  MAXPODS  REPLICAS  AGE
cc-payk       Deployment/cc-payk  <unknown>/80%   1         10        1          22s
root@eifa-fra1:~#
```