

NOTE: I'm using wsl, so all commands are coming from there.

```
WSL at 6thWeek 5ms bash 6.73% 08:32:31
>> source env/bin/activate
WSL at 6thWeek 7ms bash 6.8% env 3.10.12 08:33:07
>> pip install fastapi uvicorn pylint black isort pymongo
Collecting fastapi
  Using cached fastapi-0.110.0-py3-none-any.whl (92 kB)
Collecting uvicorn
  Using cached uvicorn-0.29.0-py3-none-any.whl (60 kB)
Collecting pylint
  Using cached pylint-3.1.0-py3-none-any.whl (515 kB)
Collecting black
  Using cached black-24.3.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (1.7 MB)
Collecting isort
  Using cached isort-5.13.2-py3-none-any.whl (92 kB)
Collecting pymongo
  Using cached pymongo-4.6.2-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (677 kB)
Collecting pydantic<1.8,!=1.8.1,!=2.0.0,!=2.0.1,!=2.1.0,<3.0.0,>=1.7.4
  Using cached pydantic-2.6.4-py3-none-any.whl (394 kB)
Collecting starlette<0.37.0,>=0.36.3
  Using cached starlette-0.36.3-py3-none-any.whl (71 kB)
Collecting typing-extensions<=4.8.0
  Using cached typing_extensions-4.10.0-py3-none-any.whl (33 kB)
Collecting h11<=0.8
  Using cached h11-0.14.0-py3-none-any.whl (58 kB)
Collecting click<=7.0
  Using cached click-8.1.7-py3-none-any.whl (97 kB)
Collecting dill<=0.2
  Using cached dill-0.3.8-py3-none-any.whl (116 kB)
Collecting astroid<=3.2.0-dev0,>=3.1.0
  Using cached astroid-3.1.0-py3-none-any.whl (275 kB)
Collecting tomlkit<=0.10.1
  Using cached tomlkit-0.12.4-py3-none-any.whl (37 kB)
Collecting mccabe<0.8,>=0.6
  Using cached mccabe-0.7.0-py2.py3-none-any.whl (7.3 kB)
Collecting platformdirs<=2.2.0
  Using cached platformdirs-4.2.0-py3-none-any.whl (17 kB)
Collecting tomli<=1.1.0
  Using cached tomli-2.0.1-py3-none-any.whl (12 kB)
Collecting pathspec<=0.9.0
  Using cached pathspec-0.12.1-py3-none-any.whl (31 kB)
Collecting mypy_extensions<=0.4.3
  Using cached mypy_extensions-1.0.0-py3-none-any.whl (4.7 kB)
Collecting packaging<=22.0
  Using cached packaging-24.0-py3-none-any.whl (53 kB)
```

```
WSL at 6thWeek 18s 318ms bash 32.05% env 3.10.12 14:41:32
>> docker buildx build -t merxxaz/python-app:v2.0.0 . --load
[+] Building 47.4s (10/10) FINISHED docker:default
=> [internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 851B 0.0s
=> [internal] load metadata for docker.io/library/python:3.10.13-slim 1.5s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [1/5] FROM docker.io/library/python:3.10.13-slim 3.9s
=> => resolve docker.io/library/python:3.10.13-slim 0.0s
=> => sha256:0dcc72b084101a33fe3 11.54MB / 11.54MB 0.8s
=> => sha256:e89739e9b11753ace3371 1.65kB / 1.65kB 0.0s
=> => sha256:b1c82dbf6d6b5e52cf8f5 1.37kB / 1.37kB 0.0s
=> => sha256:805d120380098ca45f3c2 6.94kB / 6.94kB 0.0s
=> => sha256:c0edef2937fa3b888b0 31.42MB / 31.42MB 1.0s
=> => sha256:29ff364e54a5ec5ba946a 1.08MB / 1.08MB 0.4s
=> => sha256:98fabd49bfb4678fc604c6194 245B / 245B 0.6s
=> => sha256:f2775f7801236b1500145 3.37MB / 3.37MB 1.1s
=> => extracting sha256:c0edef2937fa3b888b0cc3f9f5 1.6s
=> => extracting sha256:29ff364e54a5ec5ba946a5f20c 0.1s
=> => extracting sha256:0dcc72b084101a33fe3d4f3f95 0.5s
=> => extracting sha256:98fabd49bfb4678fc604c6194b 0.0s
=> => extracting sha256:f2775f7801236b150014553dda 0.3s
=> [internal] load build context 0.0s
=> => transferring context: 29B 0.0s
=> [2/5] WORKDIR /app 0.3s
=> [3/5] COPY main.py /app 0.1s
=> [4/5] RUN apt-get update && apt-get install -y python3-pip 27.6s
=> [5/5] RUN pip install fastapi pylint black iso 11.8s
=> exporting to image 2.1s
=> => exporting layers 2.1s
=> => writing image sha256:16ef7e50acf1c025a77404a 0.0s
=> => naming to docker.io/merxxaz/python-app:v2.0.0 0.0s
```

```
WSL at 6thWeek 47s 494ms bash 32.24% env 3.10.12 14:42:23
>> docker image ls
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
merxxaz/python-app  v2.0.0      16ef7e50acf1   6 seconds ago  709MB
myjenkins-blueocean 2.440.1-1   4da51c0a7e2e   13 days ago   774MB
merxxaz/python-app  v1.0.0      4da51c0a7e2e   13 days ago   774MB
gitea/gitea         1.21.7      a09084c8eac7   3 weeks ago   160MB
gcr.io/k8s-minikube/kicbase v0.0.42     dbc648475405   4 months ago  1.2GB

WSL at 6thWeek 19ms bash 32.32% env 3.10.12 14:42:27
>> docker push merxxaz/python-app:v2.0.0
The push refers to repository [docker.io/merxxaz/python-app]
24525b7e342c: Pushed
16717fe3319a: Pushed
fc149e3f6f1d: Pushed
1c544af245a1: Pushed
db2ef8a8a54e: Mounted from library/python
5c7b138ff6a8: Mounted from library/python
fa052c8ec46b: Mounted from library/python
3ddd373c9e01: Mounted from library/python
3c8879ab2cf2: Mounted from library/python
v2.0.0: digest: sha256:64deb4677bc02182f9ba0f67a8cabcbcdc856b5072a9d300854a0600750f9a73 size: 2209
```

```

WSL at 6thWeek main # 79 20ms bash 32.31% env 3.10.12 14
43:47
>> git add . && git commit -m "Brayan(W6): Creating repo" && git remote add origin http://localhost:
3000/BrayanMarin/Week6Helm.git && git push -u origin main
[main (root-commit) fb7acca] Brayan(W6): Creating repo
3768 files changed, 585354 insertions(+)
create mode 100644 Dockerfile
create mode 100644 Jenkins/Dockerfile
create mode 100755 Jenkins/Jenkinsfile
create mode 100755 Jenkins/compose/.gitea/git/.ssh/authorized_keys
create mode 100755 Jenkins/compose/.gitea/git/.ssh/environment
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/HEAD
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/config
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/description
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/git-daemon-e
xport-ok
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/applyp
atch-msg.sample
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/commit
-msg.sample
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/post-r
eceive
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/post-r
eceive.d/gitea
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/post-u
pdate.sample
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/pre-ap
plypatch.sample
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/pre-co
mmit.sample
create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/pre-me

```

Installing Helm to the miniproject

```

WSL at 8ms bash 56.29% 16:07:06
>> helm version
version.BuildInfo{Version:"v3.14.2", GitCommit:"c309b6f0ff63856811846ce18f3bdc93d2b4d54b", GitTreeStat
e:"clean", GoVersion:"go1.21.7"}
WSL at 147ms bash 56.14% 16:07:10
>>

```

```

WSL at 6thWeek1 6ms bash 56.34% 16:08:29
>> kubectl config set-context dev --namespace=dev --cluster=minikube --user=minikube
Context "dev" created.

```

```

no resources found in dev namespace.
WSL at 6thWeek1 238ms bash 56.29% 16:10:52
>> kubectl config current-context dev
dev

```

Required files for miniproject

```
pv.yml pv.yml
You, 4 hours ago | 1 author (You)
1  apiVersion: v1
2  kind: PersistentVolume
3  metadata:
4    name: mongo-pv
5  spec:
6    capacity:
7      storage: 2Gi
8    accessModes:
9      - ReadWriteOnce
10   hostPath:
11     path: /data/mongo
12
```


```
pvc.yml pvc.yml
You, 4 hours ago | 1 author (You)
1  apiVersion: v1
2  kind: PersistentVolumeClaim
3  metadata:
4    name: mongo-pvc
5  spec:
6    accessModes:
7      - ReadWriteOnce
8    resources:
9      requests:
10       storage: 2Gi
11
```

You, 4 hours ago • Brayan(W6): Creating the repository...

```
serviceDB.yml serviceDB.yml
You, 2 hours ago | 1 author (You)
1  apiVersion: v1
2  kind: Service
3  metadata:
4    name: pythonfastapidb
5  spec:
6    selector:
7      app: pythonfastapidb
8    ports:
9      - port: 27017
10       targetPort: 27017
11
```

```
deploymentDB.yml M deploymentDB.yml
1  apiVersion: apps/v1
2  kind: Deployment
3  metadata:
4    name: pythonfastapidb
5  spec:
6    selector:
7      matchLabels:
8        app: pythonfastapidb
9    template:
10     metadata:
11       labels:
12         app: pythonfastapidb
13     spec:
14       containers:
15         - name: pythonfastapidb
16           image: mongo
17           ports:
18             - containerPort: 27017
19           volumeMounts:
20             - name: storage
21               mountPath: /data/db
22       volumes:
23         - name: storage
24           persistentVolumeClaim:
25             claimName: mongo-pvc
26
```

My Dockerfile

 Dockerfile M Dockerfile/...

You, 2 hours ago | 1 author (You)

```
1 FROM python:3
2
3 # Set the working directory
4 WORKDIR /app
5
6 # Copy the current directory contents into the container at /app
7 COPY . /app
8
9 # Install any needed packages
10
11 RUN pip install fastapi
12 RUN pip install pylint
13 RUN pip install black
14 RUN pip install isort
15 RUN pip install uvicorn
16 RUN pip install motor
17 RUN pip install pydantic
18
19 # Make port 8000 available to the world outside this container, and port 27017 for the database
20 EXPOSE 8000
21 EXPOSE 27017
22
23 # Run main.py when the container launches
24 CMD uvicorn main:app --host 0.0.0.0 --port 8000
25
```

Setting up the files for the kubernetes testing

```
no resources found in dev namespace.
WSL at 6thWeek1 main 184ms bash 48.86% 12:03:20
>> kubectl apply -f pv.yml && kubectl apply -f pvc.yml
persistentvolume/mongo-pv unchanged
persistentvolumeclaim/mongo-pvc unchanged
WSL at 6thWeek1 main 570ms bash 45.99% 12:03:34
>> kubectl apply -f deploymentDB.yml && kubectl apply -f serviceDB.yml
deployment.apps/pythonfastapbdb created
service/pythonfastapbdb created
WSL at 6thWeek1 main 536ms bash 45.97% 12:03:42
>> kubectl apply -f deploymentLocal.yml && kubectl apply -f serviceLocal.yml
deployment.apps/apikubernetes-personal created
service/fastapbdb-personalservice created
WSL at 6thWeek1 main 551ms bash 47.26% 12:03:54
```

```
WSL at 6thWeek1 main 413ms bash 47.68% 12:05:18
>> kubectl get po && kubectl get svc
NAME                                     READY   STATUS    RESTARTS   AGE
apikubernetes-personal-57f95b8b8d-4r4cx 1/1     Running   0           85s
apikubernetes-personal-57f95b8b8d-s9n8t 1/1     Running   0           85s
pythonfastapbdb-869fc4c5bd-ts92h       1/1     Running   0           97s
NAME                                     TYPE          CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
fastapbdb-personalservice               LoadBalancer  10.104.217.4  <pending>     8000:31417/TCP   85s
pythonfastapbdb                         ClusterIP      10.106.30.206 <none>        27017/TCP        97s
WSL at 6thWeek1 main 412ms bash 47.65% 12:05:19
>> minikube service fastapbdb-personalservice -n dev
+-----+-----+-----+-----+
| NAMESPACE | NAME | TARGET PORT | URL |
+-----+-----+-----+-----+
| dev | fastapbdb-personalservice | 8000 | http://192.168.49.2:31417 |
+-----+-----+-----+-----+
* Starting tunnel for service fastapbdb-personalservice.
+-----+-----+-----+-----+
| NAMESPACE | NAME | TARGET PORT | URL |
+-----+-----+-----+-----+
| dev | fastapbdb-personalservice |  | http://127.0.0.1:41495 |
+-----+-----+-----+-----+
🔗 Opening service dev/fastapbdb-personalservice in default browser ...
/usr/bin/xdg-open: 882: x-www-browser: not found
/usr/bin/xdg-open: 882: firefox: not found
/usr/bin/xdg-open: 882: iceweasel: not found
/usr/bin/xdg-open: 882: seamonkey: not found
/usr/bin/xdg-open: 882: mozilla: not found
/usr/bin/xdg-open: 882: epiphany: not found
/usr/bin/xdg-open: 882: konqueror: not found
/usr/bin/xdg-open: 882: chromium: not found
/usr/bin/xdg-open: 882: chromium-browser: not found
/usr/bin/xdg-open: 882: google-chrome: not found
! Because you are using a Docker driver on linux, the terminal needs to be open to run it.
^C 🛑 Stopping tunnel for service fastapbdb-personalservice.
```

Testing the api in postman

The screenshot displays the Postman interface for a REST client. At the top, a list of recent requests is shown, including several POST requests to `http://127.0.0.1:41495/` and one GET request to `http://127.0.0.1:41495/names`. The main workspace shows a POST request to `http://127.0.0.1:41495/names`. The request body is set to JSON and contains the following text:

```
1 {  
2   "name": "Dora Elena Guirales Bolivar"  
3 }
```

Below the request editor, the response section is visible, showing a status of `200 OK`, a response time of `54 ms`, and a size of `163 B`. The response body is displayed in a 'Pretty' JSON format:

```
1 {  
2   "name": "Dora Elena Guirales Bolivar"  
3 }
```


POST http://127.0.0.1:41495/c

POST http://127.0.0.1:41495/n


POST http://127.0.0.1:41495/c


GET http://127.0.0.1:41495


GET http://127.0.0.1:41495/n

+

...

 http://127.0.0.1:41495/names

 Save

 </>


GET

▼

http://127.0.0.1:41495/names

Send

▼



Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params


	Key	Value	Bulk Edit
	Key	Value	

Body

Cookies

Headers (4)

Test Results

 200 OK 9 ms 233 B Save Response ▼


Pretty


Raw


Preview

Visualize

JSON ▼







```
1 [
2   {
3     "name": "Brayan Marin Guirales"
4   },
5   {
6     "name": "Samuel Cortes Guirales"
7   },
8   {
9     "name": "Dora Elena Guirales Bolivar"
10  }
11 ]
```

Checking what are in helm before test in pipeline

```
WSL at > kubernetes_k8s main 7ms bash 50.97% 12:31:57
>> helm list
NAME      NAMESPACE      REVISION      UPDATED STATUS   CHART          APP VERSION
kubernetes_k8s  kubernetes_k8s  1             2023-07-26T12:31:57Z deployed chartmuseum-helm 2.16.0
```

```
Jenkinsfile Jenkinsfile
You 4 minutes ago | 1 author (You)
1  def remote = [:]
2  remote.name = 'brayanmarin'
3  remote.host = '172.28.92.49'
4  remote.allowAnyHosts = true
5
6  pipeline {
7      agent any // 'agent' should be outside the 'environment' block and directly under 'pipeline'
8      environment {
9          dockerImageName = 'merxoz/python-app:v2.5.0'
10         dockerImage = ''
11         SSH_CREDS = credentials('23f6de3f-0ddf-4ca8-9c0d-18960773cd0e')
12     }
13     stages {
14         stage('SSH Connection') {
15             steps {
16                 script {
17                     // Assuming SSH_CREDS_USER and SSH_CREDS_PSW are environment variables, they should be accessed as follows:
18                     remote.user = env.SSH_CREDS_USER
19                     remote.password = env.SSH_CREDS_PSW
20                 }
21             }
22         }
23         // stage('Checkout Source') {
24         //     steps {
25         //         sh 'ls -l'
26         //     }
27         // }
28         stage('Checkout Source') {
29             steps {
30                 checkout scm
31                 sh 'pwd'
32                 sh 'ls -la'
33             }
34         }
35         stage('Setting up Files for K8s') {
36             steps {
37                 sshPut(remote: remote, from: 'kubernetes_k8s/Chart.yaml', into: '/home/brayanmarin/DevOps/miniProjects/6thWeek1/kubernetes_k8s')
38                 sshPut(remote: remote, from: 'kubernetes_k8s/values-dev.yaml', into: '/home/brayanmarin/DevOps/miniProjects/6thWeek1/kubernetes_k8s')
39                 sshPut(remote: remote, from: 'kubernetes_k8s/templates/deployment.yaml', into: '/home/brayanmarin/DevOps/miniProjects/6thWeek1/kubernetes_k8s/templates')
40                 sshPut(remote: remote, from: 'kubernetes_k8s/templates/service.yaml', into: '/home/brayanmarin/DevOps/miniProjects/6thWeek1/kubernetes_k8s/templates')
41             }
42         }
43         stage('Changing the namespace to the required --dev--') {
44             steps {
45                 sshCommand remote: remote, command: 'minikube kubect1 -- config use-context dev'
46             }
47         }
48         stage('Deploying the application') {
49             steps {
50                 sshCommand remote: remote, command: 'cd /home/brayanmarin/DevOps/miniProjects/6thWeek1/kubernetes_k8s && helm install pythonfastapidbpers . -f values-dev.yaml'
51             }
52         }
53     }
54 }
55
56 } You, 6 hours ago * Brayan(W6): Creating the repository...
57
```

Checking that the pipeline works correctly



Now, I check again the helm deployment

```
WSL at 4a017fd1-2d0530e0 main → main 6thWeek1 main 16s 59ms bash 81.64% 14:24:30
>> helm list
NAME          CHART              NAMESPACE    REVISION    APP VERSION    UPDATED              STATUS
pythonfastapibpers  pythonfastapibpers-0.1.0  dev          1           1.0.0         2024-03-22 14:24:57.152108268 -0500 -05 deploy
ed
```

And see in the minikube dashboard, in the namespace

DEV

```
WSL at 6thWeek1 main 4ms bash 83.29% 14:32:11
minikube dashboard
Verifying dashboard health ...
Launching proxy ...
Verifying proxy health ...
Opening http://127.0.0.1:38599/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-das
hboard:/proxy/ in your default browser ...
/usr/bin/xdg-open: 882: x-www-browser: not found
/usr/bin/xdg-open: 882: firefox: not found
/usr/bin/xdg-open: 882: iceweasel: not found
/usr/bin/xdg-open: 882: seamonkey: not found
/usr/bin/xdg-open: 882: mozilla: not found
/usr/bin/xdg-open: 882: epiphany: not found
/usr/bin/xdg-open: 882: konqueror: not found
/usr/bin/xdg-open: 882: chromium: not found
/usr/bin/xdg-open: 882: chromium-browser: not found
/usr/bin/xdg-open: 882: google-chrome: not found
```

The screenshot shows the Kubernetes dashboard for the 'dev' namespace. The sidebar on the left contains various navigation links. The main content area is divided into three sections: Deployments, Pods, and Replica Sets. Each section has a green circle icon and a table of resources.

Deployments

Name	Images	Labels	Pods	Created
pythonfastapi-deployment	merxsa/python-app-v2.5.0	app: pythonfastapi-deployment, app.kubernetes.io/managed-by: Helm	2/2	9 minutes ago
api-kubernetes-personal	merxsa/python-app-v2.5.0	app: fastapi-personal	2/2	2 hours ago
pythonfastapi-db	mongo	-	1/1	2 hours ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
pythonfastapi-deployment-7dc557709-8gns	merxsa/python-app-v2.5.0	app: pythonfastapi-deployment, pod-template-hash: 7dc557709	minikube	Running	0	-	-	9 minutes ago
pythonfastapi-deployment-7dc557709-7g4zh	merxsa/python-app-v2.5.0	app: pythonfastapi-deployment, pod-template-hash: 7dc557709	minikube	Running	0	-	-	9 minutes ago
api-kubernetes-personal-57f93b8bd-4dc	merxsa/python-app-v2.5.0	app: fastapi-personal, pod-template-hash: 57f93b8bd	minikube	Running	0	-	-	2 hours ago
api-kubernetes-personal-57f93b8bd-4ndt	merxsa/python-app-v2.5.0	app: fastapi-personal, pod-template-hash: 57f93b8bd	minikube	Running	0	-	-	2 hours ago
pythonfastapi-db-869fc4c3bd-tes2h	mongo	app: pythonfastapi-db, pod-template-hash: 869fc4c3bd	minikube	Running	0	-	-	2 hours ago

Replica Sets

Name	Images	Labels	Pods	Created
pythonfastapi-deployment-7dc557709	merxsa/python-app-v2.5.0	app: pythonfastapi-deployment, pod-template-hash: 7dc557709	2/2	9 minutes ago
api-kubernetes-personal-57f93b8bd	merxsa/python-app-v2.5.0	app: fastapi-personal, pod-template-hash: 57f93b8bd	2/2	2 hours ago
pythonfastapi-db-869fc4c3bd	mongo	app: pythonfastapi-db, pod-template-hash: 869fc4c3bd	1/1	2 hours ago

Using the linkerd

```
WSL at 6thWeek1 main 2s 871ms bash 83.54% 15:02:49
kubectrl get deploy pythonfastapldb -o yaml | linkerd inject - | kubectrl apply -f -

deployment "pythonfastapldb" injected
deployment.apps/pythonfastapldb configured
```

LINKERD		Namespace > dev					
CLUSTER							
Namespaces							
Control Plane							
DEV							
WORKLOADS							
Cron Jobs							
Daemon Sets							
Deployments							
Services							
Jobs							
Pods							
Replica Sets							
Replication Controllers							
Stateful Sets							
TOOLS							
Tap							
Top							

Deployments						
Deployment	Meshed	Success Rate	RPS	P50 Latency	P95 Latency	P99 Latency
apikubernetes-personal	2/2	100.00%	0.6	1 ms	1 ms	1 ms
pythonfastapldb	1/1	100.00%	0.3	1 ms	1 ms	1 ms
pythonfastapdbpers-deployment	0/2	---	---	---	---	---

Pods						
Pod	Meshed	Success Rate	RPS	P50 Latency	P95 Latency	P99 Latency
apikubernetes-personal-b67bcb7f9-42zmh	1/1	100.00%	0.3	1 ms	1 ms	1 ms
apikubernetes-personal-b67bcb7f9-c2gk4	1/1	100.00%	0.3	1 ms	1 ms	1 ms
pythonfastapldb-76ccc78c79-x89nv	1/1	100.00%	0.3	1 ms	1 ms	1 ms
pythonfastapdbpers-deployment-7c9c557f59-6kgtm	0/1	---	---	---	---	---
pythonfastapdbpers-deployment-7c9c557f59-7g42h	0/1	---	---	---	---	---