

## Report

My repo with code <https://github.com/Mykhailo-Teliatnikov/testing-test/tree/main>

I created EKS cluster cloned repo to aws cloud shell

git clone <https://github.com/Mykhailo-Teliatnikov/testing-test.git>

Created nodegroup

Installed tekton

```
kubectl apply --filename https://storage.googleapis.com/tekton-releases/pipeline/latest/release.yaml
```

Installed tekton Cli

```
curl -LO  
https://github.com/tektoncd/cli/releases/download/v0.31.1/tkn_0.31.1_Linux_x86_64.tar.gz  
sudo tar xvzf tkn_0.31.1_Linux_x86_64.tar.gz -C /usr/local/bin/ tkn
```

Run a few command for automate process of managing ebs

actions for auto manage ebs

eksctl create iamserviceaccount \

--name ebs-csi-controller-sa \

--namespace kube-system \

--cluster my-testing-task \

--attach-policy-arn arn:aws:iam::aws:policy/service-role/AmazonEBSCSIDriverPolicy \

--approve \

--role-only \

--role-name AmazonEKS\_EBS\_CSI\_DriverRole

```
eksctl create addon --name aws-ebs-csi-driver --cluster my-testing-task --service-account-role-arn  
arn:aws:iam::$(aws sts get-caller-identity --query Account --output  
text):role/AmazonEKS_EBS_CSI_DriverRole --force
```

```

[cloudshell-user@ip-10-6-114-196 testing-test]$ kubectl get all --all-namespaces
NAMESPACE      NAME                                     READY   STATUS    RESTARTS   AGE
kube-system    pod/aws-node-bqvs2                     1/1     Running   0           4s
kube-system    pod/coredns-79df7fff65-2rwsb           1/1     Running   0           62m
kube-system    pod/coredns-79df7fff65-rmbkc           1/1     Running   0           62m
kube-system    pod/kube-proxy-2ftjr                    1/1     Running   0           11m
tekton-pipelines-resolvers pod/tekton-pipelines-remote-resolvers-6cb58b58cc-dr68w 1/1     Running   0           52m
tekton-pipelines pod/tekton-pipelines-controller-79855b77f7-cbj5w 1/1     Running   0           52m
tekton-pipelines pod/tekton-pipelines-webhook-7c8c96fc68-xt82m 1/1     Running   0           52m

NAMESPACE      NAME                                     TYPE          CLUSTER-IP    EXTERNAL-IP    PORT(S)              AGE
default        service/kubernetes                      ClusterIP      10.100.0.1     <none>          443/TCP              62m
kube-system    service/kube-dns                       ClusterIP      10.100.0.10    <none>          53/UDP,53/TCP        62m
tekton-pipelines service/tekton-pipelines-controller     ClusterIP      10.100.26.79    <none>          9090/TCP,8008/TCP,8080/TCP 52m
tekton-pipelines service/tekton-pipelines-webhook         ClusterIP      10.100.36.48    <none>          9090/TCP,8008/TCP,443/TCP,8080/TCP 52m

NAMESPACE      NAME                                     DESIRED   CURRENT   READY   UP-TO-DATE   AVAILABLE   NODE SELECTOR   AGE
kube-system    daemonset.apps/aws-node                 1         1         1         1             1           <none>          62m
kube-system    daemonset.apps/kube-proxy               1         1         1         1             1           <none>          62m

NAMESPACE      NAME                                     READY   UP-TO-DATE   AVAILABLE   AGE
kube-system    deployment.apps/coredns                 2/2      2             2           62m
tekton-pipelines-resolvers deployment.apps/tekton-pipelines-remote-resolvers 1/1      1             1           52m
tekton-pipelines deployment.apps/tekton-pipelines-controller 1/1      1             1           52m
tekton-pipelines deployment.apps/tekton-pipelines-webhook 1/1      1             1           52m

NAMESPACE      NAME                                     DESIRED   CURRENT   READY   AGE
kube-system    replicaset.apps/coredns-79df7fff65      2         2           2       62m
tekton-pipelines-resolvers replicaset.apps/tekton-pipelines-remote-resolvers-6cb58b58cc 1         1           1       52m
tekton-pipelines replicaset.apps/tekton-pipelines-controller-79855b77f7 1         1           1       52m
tekton-pipelines replicaset.apps/tekton-pipelines-webhook-7c8c96fc68 1         1           1       52m

NAMESPACE      NAME                                     REFERENCE                                     TARGETS   MINPODS   MAXPODS   REPLICAS   AGE
tekton-pipelines horizontalpodautoscaler.autoscaling/tekton-pipelines-webhook Deployment/tekton-pipelines-webhook          <unknown>/100% 1         5         1           52m
[cloudshell-user@ip-10-6-114-196 testing-test]$

```

I created service account for task create-image.yaml for give access to the docker-login secret (on VM it was necessary but on eks can be skipped after modify a few lines)

After that I run creation of task, during work on run pipeline find out that task create-image.yaml doesn't work on eks obviously because docker daemon is missed so had to move to the build in solution that deccribed here <https://tekton.dev/docs/how-to-guides/kaniko-build-push/#full-code-samples>

```

[cloudshell-user@ip-10-6-114-196 ci]$ kubectl apply -f tasks/git-clone.yaml
task.tekton.dev/git-clone-my configured
[cloudshell-user@ip-10-6-114-196 ci]$ kubectl apply -f tasks/check-files.yaml
task.tekton.dev/check-files configured
[cloudshell-user@ip-10-6-114-196 ci]$ kubectl apply -f tasks/deploy-image.yaml
task.tekton.dev/deploy-image configured
[cloudshell-user@ip-10-6-114-196 ci]$ kubectl apply -f tasks/create-image.yaml
task.tekton.dev/create-image configured
[cloudshell-user@ip-10-6-114-196 ci]$
[cloudshell-user@ip-10-6-114-196 ci]$ kubectl apply -f run-pipeline.yaml
pipelinerun.tekton.dev/run-fast-api created

```

Result of work pipeline

```

[cloudshell-user@ip-10-6-114-196 ci]$ kubectl apply -f run-pipeline.yaml
pipelinerun.tekton.dev/run-fast-api created
[cloudshell-user@ip-10-6-114-196 ci]$ kubectl delete -f run-pipeline.yaml
pipelinerun.tekton.dev "run-fast-api" deleted
[cloudshell-user@ip-10-6-114-196 ci]$ kubectl apply -f run-pipeline.yaml
pipelinerun.tekton.dev/run-fast-api created
[cloudshell-user@ip-10-6-114-196 ci]$ tkn pipelinerun logs run-fast-api -f
[fetch-source : check-files] Cloning into 'testing-test'...
[fetch-source : check-files] 1
[fetch-source : check-files] total 24
[fetch-source : check-files] drwxr-xr-x 4 root root 4096 Jul 5 15:01 .
[fetch-source : check-files] drwxrwxrwx 3 root root 20 Jul 5 15:01 ..
[fetch-source : check-files] drwx----- 2 root root 16384 Jul 5 15:01 lost+found
[fetch-source : check-files] drwxr-xr-x 7 root root 4096 Jul 5 15:01 testing-test

[check-files : check-files] /workspace/source/testing-test/fastapi
[check-files : check-files] total 16
[check-files : check-files] drwxr-xr-x 2 root root 4096 Jul 5 15:01 .
[check-files : check-files] drwxr-xr-x 7 root root 4096 Jul 5 15:01 ..
[check-files : check-files] -rw-r--r-- 1 root root 170 Jul 5 15:01 Dockerfile
[check-files : check-files] -rw-r--r-- 1 root root 255 Jul 5 15:01 main.py
[check-files : check-files] ---
[check-files : check-files] FROM python:3.9.17
[check-files : check-files]
[check-files : check-files] COPY testing-test/fastapi/main.py /main.py
[check-files : check-files]
[check-files : check-files] RUN pip install fastapi "uvicorn[standard]"
[check-files : check-files]
[check-files : check-files] EXPOSE 8000
[check-files : check-files] WORKDIR /

```

Full logs

```
[cloudshell-user@ip-10-6-114-196 ci]$ tkn pipelinerun logs run-fast-api -f
[fetch-source : check-files] Cloning into 'testing-test'...
[fetch-source : check-files] 1
[fetch-source : check-files] total 24
[fetch-source : check-files] drwxr-xr-x  4 root  root    4096 Jul  5 15:01 .
[fetch-source : check-files] drwxrwxrwx  3 root  root     20 Jul  5 15:01 ..
[fetch-source : check-files] drwx-----  2 root  root   16384 Jul  5 15:01 lost+found
[fetch-source : check-files] drwxr-xr-x  7 root  root    4096 Jul  5 15:01 testing-test
```

```
[check-files : check-files] /workspace/source/testing-test/fastapi
[check-files : check-files] total 16
[check-files : check-files] drwxr-xr-x  2 root  root    4096 Jul  5 15:01 .
[check-files : check-files] drwxr-xr-x  7 root  root    4096 Jul  5 15:01 ..
[check-files : check-files] -rw-r--r--  1 root  root    170 Jul  5 15:01 Dockerfile
[check-files : check-files] -rw-r--r--  1 root  root    255 Jul  5 15:01 main.py
[check-files : check-files] ---
[check-files : check-files] FROM python:3.9.17
[check-files : check-files]
[check-files : check-files] COPY testing-test/fastapi/main.py /main.py
[check-files : check-files]
[check-files : check-files] RUN pip install fastapi "uvicorn[standard]"
[check-files : check-files]
[check-files : check-files] EXPOSE 8000
[check-files : check-files] WORKDIR /
[check-files : check-files] CMD ["uvicorn", "main:app", "--reload"]---
[check-files : check-files] from typing import Union
[check-files : check-files] from fastapi import FastAPI
[check-files : check-files] app = FastAPI()
[check-files : check-files] @app.get("/")
[check-files : check-files] def read_root():
[check-files : check-files]     return {"Hello": "World"}
[check-files : check-files] @app.get("/items/{item_id}")
[check-files : check-files] def read_item(item_id: int, q: Union[str, None] = None):
[check-files : check-files]     return {"item_id": item_id, "q": q}1
```

```
[build-push : build-and-push] INFO[0000] Retrieving image manifest python:3.9.17
[build-push : build-and-push] INFO[0000] Retrieving image python:3.9.17 from registry index.docker.io
[build-push : build-and-push] INFO[0000] Built cross stage deps: map[]
[build-push : build-and-push] INFO[0000] Retrieving image manifest python:3.9.17
[build-push : build-and-push] INFO[0000] Returning cached image manifest
[build-push : build-and-push] INFO[0000] Executing 0 build triggers
[build-push : build-and-push] INFO[0000] Unpacking rootfs as cmd COPY testing-test/fastapi/main.py /main.py
requires it.
[build-push : build-and-push] INFO[0015] COPY testing-test/fastapi/main.py /main.py
[build-push : build-and-push] INFO[0015] Taking snapshot of files...
[build-push : build-and-push] INFO[0015] RUN pip install fastapi "uvicorn[standard]"
[build-push : build-and-push] INFO[0015] Taking snapshot of full filesystem...
[build-push : build-and-push] INFO[0021] cmd: /bin/sh
[build-push : build-and-push] INFO[0021] args: [-c pip install fastapi "uvicorn[standard]"]
[build-push : build-and-push] INFO[0021] Running: [/bin/sh -c pip install fastapi "uvicorn[standard]"]
[build-push : build-and-push] Collecting fastapi
[build-push : build-and-push]   Downloading fastapi-0.99.1-py3-none-any.whl (58 kB)
[build-push : build-and-push] _____
58.4/58.4 kB 3.5 MB/s eta 0:00:00
[build-push : build-and-push] Collecting uvicorn[standard]
[build-push : build-and-push]   Downloading uvicorn-0.22.0-py3-none-any.whl (58 kB)
[build-push : build-and-push] _____
58.3/58.3 kB 15.4 MB/s eta 0:00:00
[build-push : build-and-push] Collecting pydantic!=1.8,!<1.8.1,<2.0.0,>=1.7.4
```

[build-push : build-and-push] Downloading pydantic-1.10.11-cp39-cp39-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (3.2 MB)  
[build-push : build-and-push] 

---

3.2/3.2 MB 32.8 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting typing-extensions>=4.5.0  
[build-push : build-and-push] Downloading typing\_extensions-4.7.1-py3-none-any.whl (33 kB)  
[build-push : build-and-push] Collecting starlette<0.28.0,>=0.27.0  
[build-push : build-and-push] Downloading starlette-0.27.0-py3-none-any.whl (66 kB)  
[build-push : build-and-push] 

---

67.0/67.0 kB 14.8 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting h11>=0.8  
[build-push : build-and-push] Downloading h11-0.14.0-py3-none-any.whl (58 kB)  
[build-push : build-and-push] 

---

58.3/58.3 kB 13.7 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting click>=7.0  
[build-push : build-and-push] Downloading click-8.1.3-py3-none-any.whl (96 kB)  
[build-push : build-and-push] 

---

96.6/96.6 kB 17.5 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting httptools>=0.5.0  
[build-push : build-and-push] Downloading httptools-0.5.0-cp39-cp39-manylinux\_2\_5\_x86\_64.manylinux1\_x86\_64.manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (417 kB)  
[build-push : build-and-push] 

---

417.9/417.9 kB 26.1 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting pyyaml>=5.1  
[build-push : build-and-push] Downloading PyYAML-6.0-cp39-cp39-manylinux\_2\_5\_x86\_64.manylinux1\_x86\_64.manylinux\_2\_12\_x86\_64.manylinux2010\_x86\_64.whl (661 kB)  
[build-push : build-and-push] 

---

661.8/661.8 kB 43.8 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting websockets>=10.4  
[build-push : build-and-push] Downloading websockets-11.0.3-cp39-cp39-manylinux\_2\_5\_x86\_64.manylinux1\_x86\_64.manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (129 kB)  
[build-push : build-and-push] 

---

129.7/129.7 kB 21.8 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting python-dotenv>=0.13  
[build-push : build-and-push] Downloading python\_dotenv-1.0.0-py3-none-any.whl (19 kB)  
[build-push : build-and-push] Collecting uvloop!=0.15.0,!0.15.1,>=0.14.0  
[build-push : build-and-push] Downloading uvloop-0.17.0-cp39-cp39-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (4.2 MB)  
[build-push : build-and-push] 

---

4.2/4.2 MB 45.8 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting watchfiles>=0.13  
[build-push : build-and-push] Downloading watchfiles-0.19.0-cp37-abi3-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (1.3 MB)  
[build-push : build-and-push] 

---

1.3/1.3 MB 30.0 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting anyio<5,>=3.4.0  
[build-push : build-and-push] Downloading anyio-3.7.0-py3-none-any.whl (80 kB)  
[build-push : build-and-push] 

---

80.9/80.9 kB 21.0 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting idna>=2.8  
[build-push : build-and-push] Downloading idna-3.4-py3-none-any.whl (61 kB)  
[build-push : build-and-push] 

---

61.5/61.5 kB 8.3 MB/s eta 0:00:00  
[build-push : build-and-push] Collecting exceptiongroup  
[build-push : build-and-push] Downloading exceptiongroup-1.1.2-py3-none-any.whl (14 kB)  
[build-push : build-and-push] Collecting sniffio>=1.1  
[build-push : build-and-push] Downloading sniffio-1.3.0-py3-none-any.whl (10 kB)

[build-push : build-and-push] Installing collected packages: websockets, uvloop, typing-extensions, sniffio, pyyaml, python-dotenv, idna, httptools, h11, exceptiongroup, click, uvicorn, pydantic, anyio, watchfiles, starlette, fastapi  
[build-push : build-and-push] Successfully installed anyio-3.7.0 click-8.1.3 exceptiongroup-1.1.2 fastapi-0.99.1 h11-0.14.0 httptools-0.5.0 idna-3.4 pydantic-1.10.11 python-dotenv-1.0.0 pyyaml-6.0 sniffio-1.3.0 starlette-0.27.0 typing-extensions-4.7.1 uvicorn-0.22.0 uvloop-0.17.0 watchfiles-0.19.0 websockets-11.0.3  
[build-push : build-and-push] WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: <https://pip.pypa.io/warnings/venv>  
[build-push : build-and-push]  
[build-push : build-and-push] [notice] A new release of pip is available: 23.0.1 -> 23.1.2  
[build-push : build-and-push] [notice] To update, run: pip install --upgrade pip  
[build-push : build-and-push] INFO[0027] Taking snapshot of full filesystem...  
[build-push : build-and-push] INFO[0031] EXPOSE 8000  
[build-push : build-and-push] INFO[0031] cmd: EXPOSE  
[build-push : build-and-push] INFO[0031] Adding exposed port: 8000/tcp  
[build-push : build-and-push] INFO[0031] WORKDIR /  
[build-push : build-and-push] INFO[0031] cmd: workdir  
[build-push : build-and-push] INFO[0031] Changed working directory to /  
[build-push : build-and-push] INFO[0031] No files changed in this command, skipping snapshotting.  
[build-push : build-and-push] INFO[0031] CMD ["uvicorn", "main:app", "--reload"]  
[build-push : build-and-push] INFO[0031] Pushing image to docker.io/krotym2/fastapi  
[build-push : build-and-push] INFO[0033] Pushed image to 1 destinations

[build-push : write-url] docker.io/krotym2/fastapi

[deploy-image : create-yaml] ---  
[deploy-image : create-yaml] apiVersion: apps/v1  
[deploy-image : create-yaml] kind: Deployment  
[deploy-image : create-yaml] metadata:  
[deploy-image : create-yaml] name: fastapi-deployment  
[deploy-image : create-yaml] labels:  
[deploy-image : create-yaml] app: fastapi  
[deploy-image : create-yaml] spec:  
[deploy-image : create-yaml] strategy:  
[deploy-image : create-yaml] type: Recreate  
[deploy-image : create-yaml] replicas: 1  
[deploy-image : create-yaml] selector:  
[deploy-image : create-yaml] matchLabels:  
[deploy-image : create-yaml] app: fastapi  
[deploy-image : create-yaml] template:  
[deploy-image : create-yaml] metadata:  
[deploy-image : create-yaml] labels:  
[deploy-image : create-yaml] app: fastapi  
[deploy-image : create-yaml] spec:  
[deploy-image : create-yaml] containers:  
[deploy-image : create-yaml] - name: fastapi  
[deploy-image : create-yaml] image: krotym2/fastapi:latest  
[deploy-image : create-yaml] ports:  
[deploy-image : create-yaml] - containerPort: 8000  
[deploy-image : create-yaml] name: fastapi  
[deploy-image : create-yaml] command: [ "uvicorn", "main:app", "--reload" ]  
[deploy-image : create-yaml]  
[deploy-image : create-yaml] apiVersion: v1  
[deploy-image : create-yaml] kind: Service  
[deploy-image : create-yaml] metadata:  
[deploy-image : create-yaml] name: fastapi-service  
[deploy-image : create-yaml] spec:  
[deploy-image : create-yaml] selector:  
[deploy-image : create-yaml] app: fastapi

```

[deploy-image : create-yaml] ports:
[deploy-image : create-yaml]   - protocol: TCP
[deploy-image : create-yaml]     port: 80
[deploy-image : create-yaml]     targetPort: fastapi
[deploy-image : create-yaml]     name: fastapi
[deploy-image : create-yaml]   type: NodePort---
[deploy-image : create-yaml] apiVersion: networking.k8s.io/v1
[deploy-image : create-yaml] kind: Ingress
[deploy-image : create-yaml] metadata:
[deploy-image : create-yaml]   name: nginx
[deploy-image : create-yaml] spec:
[deploy-image : create-yaml]   ingressClassName: nginx
[deploy-image : create-yaml]   rules:
[deploy-image : create-yaml]   - host: mteliatnikov.application.com
[deploy-image : create-yaml]     http:
[deploy-image : create-yaml]       paths:
[deploy-image : create-yaml]       - path: /
[deploy-image : create-yaml]         pathType: Prefix
[deploy-image : create-yaml]       backend:
[deploy-image : create-yaml]         service:
[deploy-image : create-yaml]           name: fastapi-service
[deploy-image : create-yaml]           port:
[deploy-image : create-yaml]             number: 80
[deploy-image : create-yaml] ---
[deploy-image : create-yaml] 5

[deploy-image : deploy-image] deployment.apps/fastapi-deployment created
[deploy-image : deploy-image] service/fastapi-service created
[deploy-image : deploy-image] ingress.networking.k8s.io/nginx created
[deploy-image : deploy-image] ---
[deploy-image : deploy-image] 6

```

As it showed below deployments worked but I found out that there is a problem with data that should be showed

```

[cloudshell-user@ip-10-6-114-196 kuber]$ kubectl get pod
NAME                                READY   STATUS    RESTARTS   AGE
fastapi-deployment-86cf8b4f68-cxh7v 1/1     Running   0           30m
run-fast-api-build-push-pod          0/2     Completed 0           31m
run-fast-api-check-files-pod         0/1     Completed 0           31m
run-fast-api-deploy-image-pod        0/2     Completed 0           30m
run-fast-api-fetch-source-pod        0/1     Completed 0           31m
[cloudshell-user@ip-10-6-114-196 kuber]$ kubectl get svc
NAME            TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
fastapi-service NodePort    10.100.17.169 <none>        80:31250/TCP     13m
kubernetes      ClusterIP   10.100.0.1    <none>        443/TCP          3h52m
[cloudshell-user@ip-10-6-114-196 kuber]$ kubectl get deployments
NAME            READY   UP-TO-DATE   AVAILABLE   AGE
fastapi-deployment 1/1     1             1           31m

```

After a few hours I found the problem and fix it (it was problem with CMD in dockerfile)

Here result of curl

```
[cloudshell-user@ip-10-6-114-196 ci]$ curl http://ab057306896dc455893498084e90d8b0-530394572.us-east-1.elb.amazonaws.com
{"Hello":"World"}[cloudshell-user@ip-1kubect1 get svc
NAME                                TYPE                CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
fastapi-service                     LoadBalancer       10.100.17.169    ab057306896dc455893498084e90d8b0-530394572.us-east-1.elb.amazonaws.com  80:31250/TCP     66m
kubernetes                          ClusterIP            10.100.0.1       <none>           443/TCP          4h45m
[cloudshell-user@ip-10-6-114-196 ci]$
[cloudshell-user@ip-10-6-114-196 ci]$
[cloudshell-user@ip-10-6-114-196 ci]$
[cloudshell-user@ip-10-6-114-196 ci]$
[cloudshell-user@ip-10-6-114-196 ci]$ curl http://ab057306896dc455893498084e90d8b0-530394572.us-east-1.elb.amazonaws.com
{"Hello":"World"}[cloudshell-user@ip-10-6-114-196 ci]$ curl http://ab057306896dc455893498084e90d8b0-530394572.us-east-1.elb.amazonaws.com/doc
{"detail":"Not Found"}[cloudshell-user@ip-10-6-114-196 ci]$ curl http://ab057306896dc455893498084e90d8b0-530394572.us-east-1.elb.amazonaws.com/docs

<!DOCTYPE html>
<html>
<head>
<link type="text/css" rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swagger-ui-dist@5/swagger-ui.css">
<link rel="shortcut icon" href="https://fastapi.tiangolo.com/img/favicon.png">
<title>FastAPI - Swagger UI</title>
</head>
<body>
<div id="swagger-ui">
</div>
<script src="https://cdn.jsdelivr.net/npm/swagger-ui-dist@5/swagger-ui-bundle.js"></script>
<!-- 'SwaggerUIBundle' is now available on the page -->
<script>
const ui = SwaggerUIBundle({
  url: '/openapi.json',
  "dom_id": "#swagger-ui",
  "layout": "BaseLayout",
  "deepLinking": true,
  "showExtensions": true,
  "showCommonExtensions": true,
  oauth2RedirectUrl: window.location.origin + '/docs/oauth2-redirect',
  presets: [
    SwaggerUIBundle.presets.apis,
    SwaggerUIBundle.SwaggerUIStandalonePreset
  ],
})
</script>
</body>
</html>
[cloudshell-user@ip-10-6-114-196 ci]$
```

And here how it looks in browser

