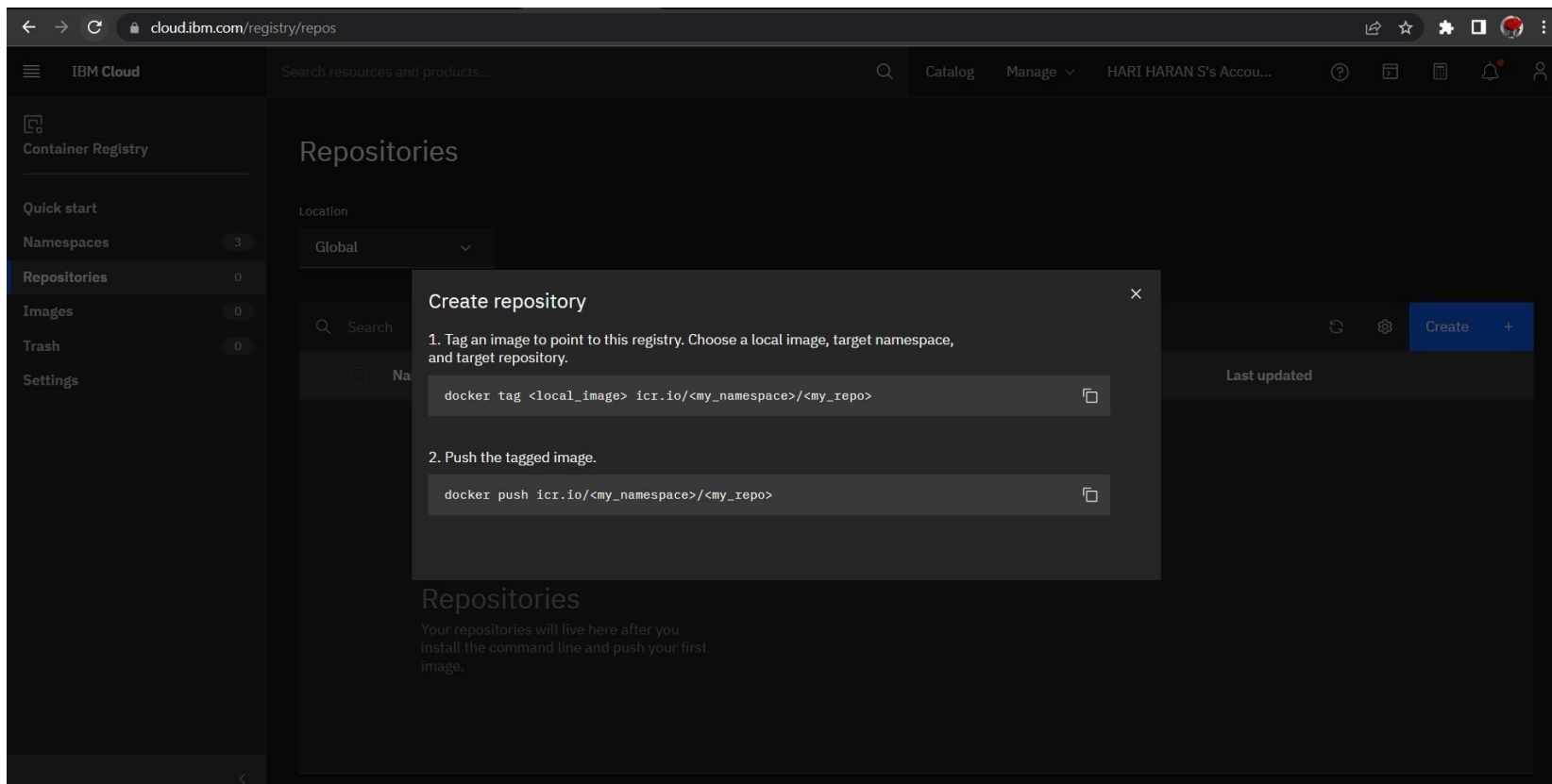


Upload Image To IBM Container

Team ID	PNT2022TMID25168
Project Name	Smart Fashion Recommender Application

CREATING REPOSITORY IN IBM CLOUD:



UPLOAD IMAGE TO IBM CONTAINER REGISTRY:

Repositories

Location

Global


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Refresh

Settings

Create

+

<input type="checkbox"/>	Name	Image count	Namespace	Last updated
<div><div>▼</div><div><input type="checkbox"/></div><div>ibmproj icr.io/myproj/ibmproj</div></div>	1	myproj	4 days ago	<div>⋮</div>

Items per page: 25

1–1 of 1 item

1

1 of 1 page

◀

▶

Access Den...IBM CloudIBMCloud-B2-B...IBM CloudSearch ibmConnectingSetting upIBM CloudUsing Pyth...Change cu...Audio Play...Create a Cl...

cloud.ibm.com/kubernetes/catalog/create

patternzerodhaHeadspaceindexTradingView - Track...screenerOptions Trading Str...BookmarksjogeshOmegle Video Chat...T3 WEBIBMOther bookmarks

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Deliver your apps quicker across clouds with Red Hat OpenShift

Plan details

Learn more about the differences between plans in our docs.

Pricing plan

Free

Kubernetes version

Select the Kubernetes platform version for your cluster. For more information about versions, including links to the container platform community release notes, see the docs.

1.24.7

Resource details

Cluster name

mycluster-job-recommendation

Resource group

Default

SummaryUnited States

Kubernetes cluster

1 Worker nodeFree

Free - 2 vCPUs 4GB RAM
Virtual - shared
Ubuntu 18

Total estimated costFree/mo

Additional charges for networking and bandwidth might apply.
Actual monthly total will vary with tiered pricing.
Estimate does not include costs for integrations.

Creating...

Add to estimate

ENG IN12-11-202202:07 PM

cloud.ibm.com/kubernetes/clusters/cds8iphf0bag5pv1qt6g/overview

patternzerodhaHeadspaceindexTradingView – Track...screenerOptions Trading Str...BookmarksjogeshOmegle Video Chat...T5 WEBIBM

IBM CloudSearch resources and products...CatalogManageJishnu S's AccountHelpKubernetes dashboardActions...

Clusters /mycluster-pkmalliafashionNormalExpires in 30 daysAdd tags

OverviewWorker nodesWorker poolsDevOpsNew

Expires in 30 days:
Be sure to back up your data, your cluster will be deleted in 30 days. To access the full capabilities of the service, try out a [standard cluster](#).

Node status
1 of 1
Normal
Details ↓

Add-on status
0 of 0
Normal
Details ↓

Master status
Normal
Docs ↗

Ingress status
Healthy ⓘ
Docs ↗

Details

Cluster ID cds8iphf0bag5pv1qt6g	Version 1.24.8_1544	Infrastructure Classic	Zones Milan 01
Created 19/11/2022, 13:14	Resource group Default	Image security enforcement Enable	

Node health

1 total nodes

Critical 0%Warning 0%Normal 100%Pending 0%

Worker node details

Networking

1_jtIC2_UY8VvpMf....pngresnet.pngwork-model.pngShow all

25°C
Mostly sunny

ENG
IN

07:53 PM
19-11-2022

The screenshot displays the IBM Cloud Object Storage management interface in a web browser. The address bar shows the URL: cloud.ibm.com/objectstorage/crn%3A%3Av1%3ABluemix%3APublic%3ACloud-object-storage%3AGlobal%3AA%3F632d75710acd4b65a8a14e5ae7c4d4a0%3AAf2011c4-144d-4864-8081-c8b6ae9e2ff8%3A?panel=manage. The left sidebar contains navigation links: IBM Cloud, Cloud Object Storage, Storage instances, Cloud Object Storage Assignm..., Buckets, Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area is titled "Buckets" and includes a descriptive paragraph: "Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules." Below this is a table listing buckets. The table has columns for Name, Public access, Location, Storage class, and Created. One bucket named "assignment-3-jishnu" is listed with public access enabled, located in "jp-tok", using the "Smart Tier" storage class, and created on "2022-10-20 2:03 PM". A "Create bucket" button is visible in the top right of the table area. The bottom of the screen shows a Windows taskbar with various application icons and system information indicating 25°C and mostly sunny weather.

■

■

Vertical line of text or a page number.

■

■

Docker Desktop

Upgrade plan

Search

Ctrl+K

pkmallia

Containers

Images

Volumes

Dev Environments

Extensions

Add Extensions

flask-fashion-reco... IN USE

IMAGE ID

ada452774ecb

CREATED

8 minutes ago

SIZE

1.73 GB

More actions

RUN

Base Images

FROM Analyze this image to detect its base images

Image layers

0	ADD file:abc6873c98339a3c496cb75ec2528e65ebe1f20d2cea777033f86dc55d73da5 in /	124.11MB	
1	CMD ["bash"]	0B	
2	set -eux; apt-get update; apt-get install -y --no-install-recommends ca-certificates curl netbase wget; rm -rf...	10.7MB	
3	set -ex; if ! command -v gpg > /dev/null; then apt-get update; apt-get install -y --no-install-recommends gru...	18.95MB	
4	apt-get update && apt-get install -y --no-install-recommends git mercurial openssh-client subversion procp...	151.95MB	
5	set -ex; apt-get update; apt-get install -y --no-install-recommends autoconf automake bzip2 dpkg-dev file g...	528.95MB	
6	ENV PATH=/usr/local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin	0B	
7	ENV LANG=C.UTF-8	0B	
8	set -eux; apt-get update; apt-get install -y --no-install-recommends libbluetooth-dev tk-dev uuid-dev; rm -r...	18.48MB	
9	ENV GPG_KEY=E3FF2839C048B25C084DEBE9B26995E310250568	0B	
10	ENV PYTHON_VERSION=3.9.15	0B	
11	set -eux; wget -O python.tar.xz "https://www.python.org/ftp/python/3.9.15/python-3.9.15.tar.xz"; tar -xJf python...	51.79MB	
12	set -eux; for src in idle3 pydoc3 python3-config; do dst="\$(echo "\$src" tr -d 3)"; [-s "/usr/local/bi...	32B	
13	ENV PYTHON_PIP_VERSION=22.0.4	0B	
14	ENV PYTHON_SETUPTOOLS_VERSION=58.1.0	0B	
15	ENV PYTHON_GET_PIP_URL=https://github.com/pypa/get-pip/raw/66030fa03382b4914dd44d0896961a0bd...	0B	
16	ENV PYTHON_GET_PIP_SHA256=1e501cd004eac1b7eb1f97266d28f95ae835d30250bec7f8850562703067d...	0B	
17	set -eux; wget -O get-pip.py "\$PYTHON_GET_PIP_URL"; echo "\$PYTHON_GET_PIP_SHA256 *get-pip.py" sh...	10.17MB	
18	CMD ["python3"]	0B	
19	ENV PYTHONDONTWRITEBYTECODE=1	0B	

Overview

Give feedback

This image has not been analyzed yet

Layer details

Vulnerabilities

Packages

Command

Analyze this image to show possible vulnerabilities.

Analyze Image

RAM 4.96GB

CPU 0.01%

Connected to Hub

v4.14.1

25°C Mostly sunny

08:25 PM 19-11-2022

FROM python:3.9

set environment variables
ENV PYTHONDONTWRITEBYTECODE 1


```
ENV PYTHONUNBUFFERED 1
```

```
COPY requirements.txt .
```

```
# install python dependencies
```

```
RUN pip install --upgrade pip
```

```
RUN pip install --no-cache-dir -r requirements.txt
```

```
RUN pip install -r requirements
```

```
COPY . .
```

```
# gunicorn
```

```
CMD ["gunicorn", "--config", "gunicorn-cfg.py", "run:app"]
```

DEPLOY IN KUBERNETES CLUSTER

cloud.ibm.com/shell

pattern zerodha Headspace index TradingView - Track... screener Options Trading Str... Bookmarks jogesh Omegle Video Chat... T5 WEB IBM

IBM Cloud Shell Location: Dallas Change

Session 1 + Current account: Jishnu S's Account

ConfigMapName: kube-root-ca.crt
ConfigMapOptional: <nil>
DownwardAPI: true
QoS Class: BestEffort
Node-Selectors: <none>
Tolerations: node.kubernetes.io/not-ready:NoExecute op=Exists for 600s
node.kubernetes.io/unreachable:NoExecute op=Exists for 600s

Events:

Type	Reason	Age	From	Message
Normal	Scheduled	19m	default-scheduler	Successfully assigned default/pkmallia-5f49b8c99d-1ljv4 to 10.144.188.112
Normal	Pulling	19m	kubelet	Pulling image "pkmallia/firstimage:latest"
Normal	Pulled	19m	kubelet	Successfully pulled image "pkmallia/firstimage:latest" in 926.126356ms
Normal	Created	19m	kubelet	Created container pkmallia
Normal	Started	19m	kubelet	Started container pkmallia

vh10094_ece19@cloudshell:~\$ kubectl describe pod pkmallia-5f49b8c99d-1ljv4 | grep port

vh10094_ece19@cloudshell:~\$ kubectl get svc

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	4h30m
nodeportservice	NodePort	172.21.248.78	<none>	80:30007/TCP	21m
pkmallia	LoadBalancer	172.21.179.43	<pending>	8080:31658/TCP	4m45s

vh10094_ece19@cloudshell:~\$ kubectl get svc

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	4h31m
nodeportservice	NodePort	172.21.248.78	<none>	80:30007/TCP	21m
pkmallia	LoadBalancer	172.21.179.43	<pending>	8080:31658/TCP	4m51s

vh10094_ece19@cloudshell:~\$ kubectl get svc

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	4h31m
nodeportservice	NodePort	172.21.248.78	<none>	80:30007/TCP	21m
pkmallia	LoadBalancer	172.21.179.43	<pending>	8080:31658/TCP	4m53s

vh10094_ece19@cloudshell:~\$ kubectl get svc

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	4h31m
nodeportservice	NodePort	172.21.248.78	<none>	80:30007/TCP	22m
pkmallia	LoadBalancer	172.21.179.43	<pending>	8080:31658/TCP	5m8s

vh10094_ece19@cloudshell:~\$ kubectl get svc

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	4h31m
nodeportservice	NodePort	172.21.248.78	<none>	80:30007/TCP	22m
pkmallia	LoadBalancer	172.21.179.43	<pending>	8080:31658/TCP	5m20s

vh10094_ece19@cloudshell:~\$ kubectl get svc

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	4h31m
nodeportservice	NodePort	172.21.248.78	<none>	80:30007/TCP	22m
pkmallia	LoadBalancer	172.21.179.43	<pending>	8080:31658/TCP	5m27s

vh10094_ece19@cloudshell:~\$ kubectl get svc

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	4h31m
nodeportservice	NodePort	172.21.248.78	<none>	80:30007/TCP	22m
pkmallia	LoadBalancer	172.21.179.43	<pending>	8080:31658/TCP	5m40s

vh10094_ece19@cloudshell:~\$ kubectl get svc

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	172.21.0.1	<none>	443/TCP	4h31m
nodeportservice	NodePort	172.21.248.78	<none>	80:30007/TCP	22m
pkmallia	LoadBalancer	172.21.179.43	<pending>	8080:31658/TCP	5m40s

1_jtC2_UY8VvpMf...png resnet.png work-model.png Show all

25°C Mostly sunny 08:22 PM 19-11-2022

Hostname: echoserver-deployment-859b75d8c4-w75jn

Pod Information:

node name: 10.94.21.13
pod name: echoserver-deployment-859b75d8c4-w75jn
pod namespace: default
pod IP: 172.30.45.7

Server values:

server_version=nginx: 1.13.3 - lua: 10008

Request Information:

client_address=172.30.45.5
method=GET
real path=/
query=
request_version=1.1
request_scheme=http
request_url=http://echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud:8080/

Request Headers:

accept=/*/*
host=echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud
user-agent=curl/7.54.0
x-forwarded-for=195.218.100.100
x-forwarded-host=echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud
x-forwarded-port=443
x-forwarded-proto=https
x-global-k8fdic-transaction-id=fc9b6d1faac1b7b63bf96dbf02396378
x-real-ip=195.218.100.100

Request Body:


-no body in request-

hub.docker.com/ayers/pkmalia/firstimage/latest/images/sha256-cb05a6ed17b631ebd2b9c8891eb72586348896a368711ef3d468362754a5b3f4?context=repo

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dockerhubSearch Docker HubExploreRepositoriesOrganizationsHelpUpgradepkmalia

pkmaliaRepositoriesfirstimagelatest



pkmalia/firstimage:latest

DIGEST: sha256:cb05a6ed17b631ebd2b9c8891eb72586348896a368711ef3d468362754a5b3f4

Delete Tag

OS/ARCH

linux/amd64

COMPRESSED SIZE

580.71 MB

LAST PUSHED

5 hours ago by pkmalia

TYPE

Image

Image Layers

Vulnerabilities

IMAGE LAYERS

1	ADD file ... in /	52.49 MB
2	CMD ["bash"]	0 B
3	/bin/sh -c set -eux; apt-get	4.93 MB
4	/bin/sh -c set -ex; if	10.37 MB
5	/bin/sh -c apt-get update &&	52.06 MB
6	/bin/sh -c set -ex; apt-get	187.75 MB
7	ENV PATH=/usr/local/bin:/usr/local/sbin:/usr/local/_	0 B

Command

CMD ["gunicorn" "--config" "gunicorn-cfg.py" "run:app"]

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1_jtC2_UY8VvpMf...pngresnet.pngwork-model.png

25°C Mostly sunny

ENG IN08:23 PM 19-11-2022

```
$ curl http://169.61.18.4:1884
```

```
Hostname: echoserver-deployment-859b75d8c4-r6s62
```

```
Pod Information:
```

```
node name:      10.73.115.27  
pod name:       echoserver-deployment-859b75d8c4-r6s62  
pod namespace:  default  
pod IP: 172.30.154.209
```

```
Server values:
```

```
server_version=nginx: 1.13.3 - lua: 10008
```

```
Request Information:
```

```
client_address=195.21.1.1  
method=GET  
real path=/  
query=  
request_version=1.1  
request_scheme=http  
request_uri=http://169.61.18.4:8080/
```

```
Request Headers:
```

```
accept=/*/*  
host=169.61.18.4:1884  
user-agent=curl/7.54.0
```

```
Request Body:
```

```
-no body in request-
```



```
$ curl https://echoserver.arpad-ipv6-test-aug14.us-south.containers.appdomain.cloud
```

```
Hostname: echoserver-deployment-859b75d8c4-d6fdx
```

Pod Information:

```
node name:      10.73.115.19
pod name:       echoserver-deployment-859b75d8c4-d6fdx
pod namespace:  default
pod IP: 172.30.116.132
```

Server values:

```
server_version=nginx: 1.13.3 - lua: 10008
```

Request Information:

```
client_address=172.30.119.129
method=GET
real path=/
query=
request_version=1.1
request_scheme=http
request_uri=http://echoserver.arpad-ipv6-test-aug14.us-south.containers.appdomain.cloud:8080/
```

Request Headers:

```
accept=/*/*
host=echoserver.arpad-ipv6-test-aug14.us-south.containers.appdomain.cloud
user-agent=curl/7.54.0
x-forwarded-for=10.184.100.58
x-forwarded-host=echoserver.arpad-ipv6-test-aug14.us-south.containers.appdomain.cloud
x-forwarded-port=443
x-forwarded-proto=https
x-global-k8fdic-transaction-id=838e8708691877ea4ac7448370362e22
x-real-ip=10.184.100.58
```

Request Body:

```
-no body in request-
```