



Assignment -4

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1. Pull an image from docker hub and run it in docker playground.

03:40:31

CLOSE SESSION

Instances  

+ ADD NEW INSTANCE


192.168.0.28
node1

c8bficvn_c8bfrf5mrep00ddtrf0

IP
192.168.0.28 OPEN PORT

Memory
0.77% (30.86MiB / 3.906GiB)

CPU
0.06%

SSH
ssh ip172-18-0-18-c8bficvnjsv000bqr73g@direct.labs.play-v 

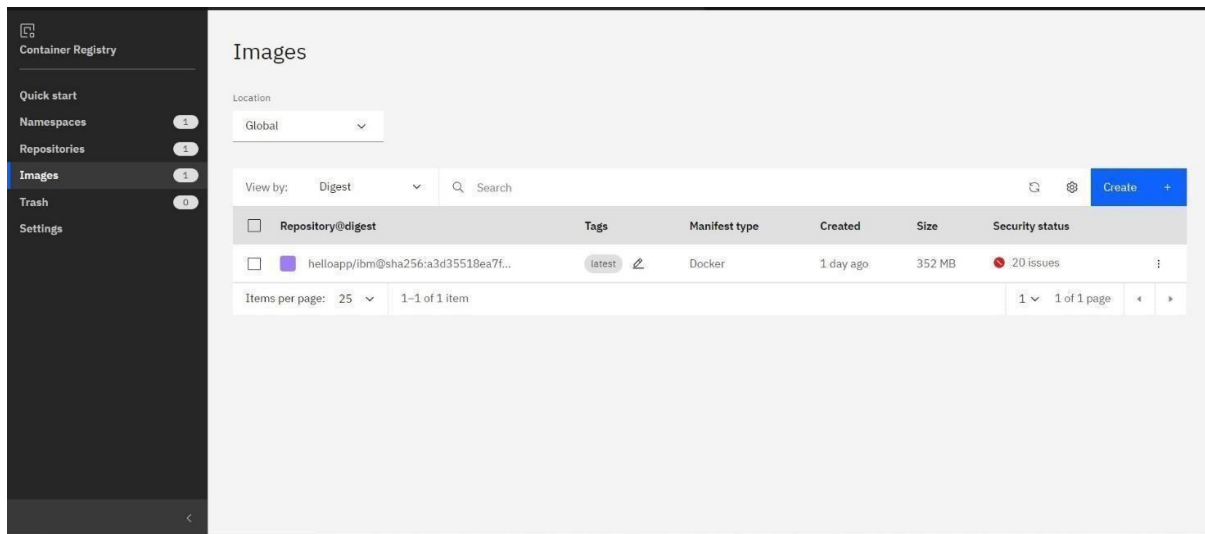
DELETE EDITOR

```
#####
#                               #
#      WARNING!!!              #
# This is a sandbox environment. Using personal credentials   #
# is HIGHLY! discouraged. Any consequences of doing so are   #
# completely the user's responsibilites.                      #
#                                                              #
# The PWD team.                                               #
#####
[node1] (local) root@192.168.0.28 ~
$
```

2. Create a docker file for the jobportal application and deploy it in Docker desktop application.

```
1 FROM python:3.8-buster
2
3 WORKDIR /app
4
5 COPY requirements.txt /app/
6
7 RUN pip install -r requirements.txt
8
9 COPY . /app/
10
11 RUN cp .env.dev.sample .env
12
13 EXPOSE 8000
14
15 RUN chmod +x entrypoint.sh
16
17 CMD ["sh", "entrypoint.sh"]
```

3. Create a IBM container registry and deploy hello world app or job port app.



4.Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

Clusters /

mycluster-free

Normal

Expires in 29 days

Add tags

Help

Kubernetes dashboard

Actions...

Overview

Worker nodes

Worker pools

DevOps New

Pool: Filter...

Search

Add

<input type="checkbox"/>	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input type="checkbox"/>	0000008c	Normal	default	Milan 01	10.144.187.51	159.122.179.68	1.23.12_1549

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