

ASSIGNMENT-04

| | |
|---------------|------------------|
| Date | 02 November 2022 |
| Student Name | Saranya.s |
| Roll Number | 821319104030 |
| Maximum Marks | 2 Marks |

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

Tags and scans

VULNERABILITY SCANNING - DISABLED [Enable](#)

This repository contains 1 tag(s).

| Tag | OS | Type | Pulled | Pushed |
|--------|----|-------|-------------|-------------|
| latest | | Image | 9 hours ago | 9 hours ago |

[See all](#) [Go to Advanced Image Management](#)

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions.

[Upgrade](#) [Learn more](#)

README

Repository description is empty. Click [here](#) to edit.

Explore

Containers

Pricing

Account

Content Subscriptions

Billing

Resources

Docker Blog

Download Docker

Support

Feedback

Documentation

Hub Release Notes

Forums

03:51:24

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.28
node1

cdqsnsu0_cdqsnve0qau0009eda6g

IP

192.168.0.28

OPEN PORT

5000

Memory

28.15% (1.1GiB / 3.906GiB)

CPU

1.21%

SSH

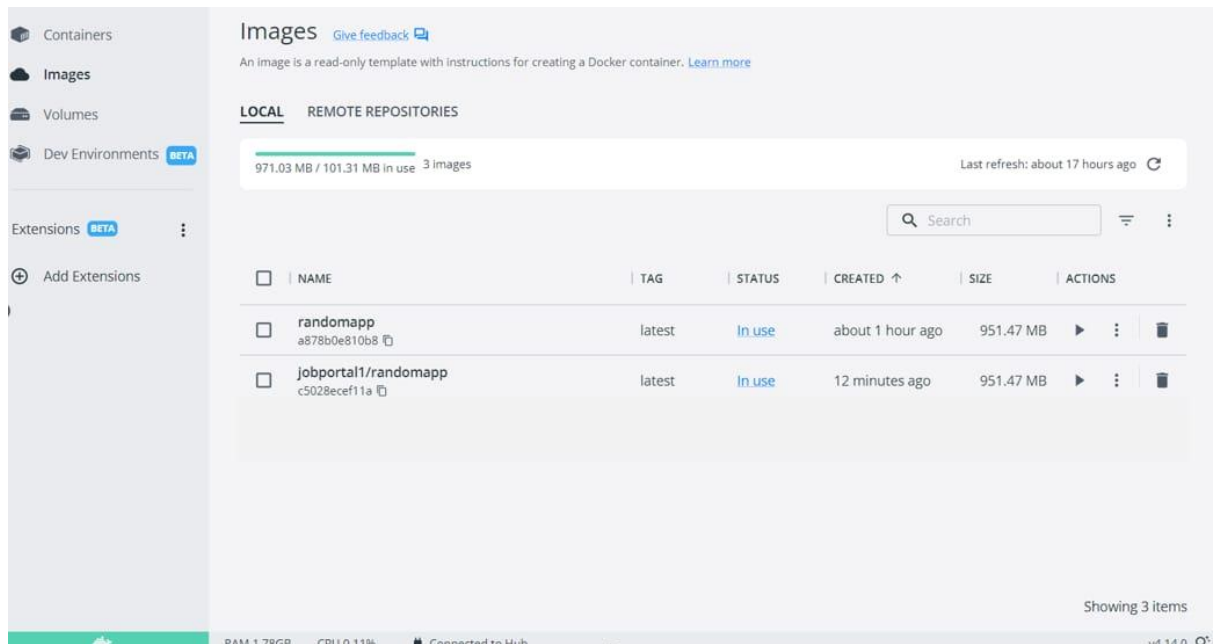
ssh ip172-18-0-55-cdqsnsu0qau0009eda60@direct.labs.pla

DELETE

EDITOR

```
[node1] (local) root@192.168.0.28 ~
$ docker container run -p 5000:5000
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
```

2. Create a docker file for the job portal application and deploy it in docker desktop application.



app.py

```
from flask import Flask, render_template
app = Flask(__name__)

@app.route('/')
def home():
    return render_template('index.html')
if __name__ == '__main__':
    app.run()
```

Docker file

```
FROM python
WORKDIR /app
COPY . .
RUN pip install -r requirements.txt
CMD ["python", "app.py"]
```

Index.html

```
<html>

<body>
  <div class="col-md-6 offset-md-3 mt-5">

    <br>
    <a target="_blank" href="https://getform.io?ref=codepenHTML" class="mt-3 d-flex">Getform.io | Get your free endpoint now</a>
    <h1>Job Portal</h1>
    <form accept-charset="UTF-8" action="https://getform.io/f/{your-form-endpoint-goes-here}" method="POST" enctype="multipart/form-data" target="_blank">
      <div class="form-group">
        <label for="exampleInputName">Full Name</label>
        <input type="text" name="fullname" class="form-control" id="exampleInputName" placeholder="Enter your name and surname" required="required">
      </div>
      <div class="form-group">
        <label for="exampleInputEmail1" required="required">Email address</label>
        <input type="email" name="email" class="form-control" id="exampleInputEmail1" aria-describedby="emailHelp" placeholder="Enter your email address">
      </div>
      <div class="form-group">
        <label for="inputAddress">Address</label>
        <input type="text" name="address" class="form-control" id="inputAddress" placeholder="1234 Main St">
      </div>
      <div class="form-row">
        <div class="form-group col-md-6">
          <label for="inputCity">City</label>
          <input type="text" name="city" class="form-control" id="inputCity" placeholder="Istanbul">
        </div>
        <div class="form-group col-md-2">
          <label for="inputZip">Zip</label>
          <input type="text" name="zip" class="form-control" id="inputZip" placeholder="34000">
        </div>
      </div>
      <div class="form-group">
        <label for="example-tel-input" class="col-2 col-form-label">Telephone</label>
        <div class="col-10">
```

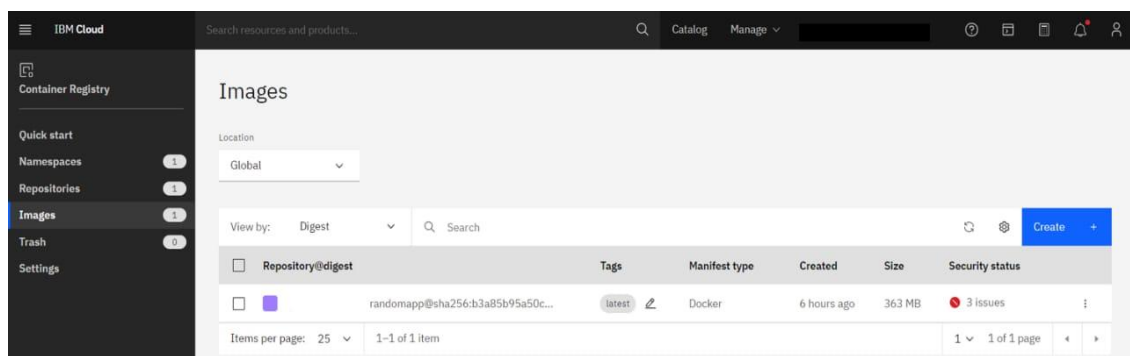
```

        <input class="form-control" name="tel" type="tel" value="1-(555)-
555-5555" id="example-tel-input">
    </div>
</div>
<div class="form-group">
    <label for="example-date-input" class="col-3 col-form-label">Start
Date</label>
    <div class="col-10">
        <input class="form-control" name="starting_date" type="date"
value="2020-02-01" id="example-date-input">
    </div>
</div>
<div class="form-group mt-3">
    <label class="mr-4">Upload your CV:</label>
    <input type="file" name="file">
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
</body>

</html>

```

3. Create a IBM Container Registry and deploy hello world app or job portal app



4. Create a Kubernetes cluster in IBM Cloud and deploy hello world image or job portal app and expose the same app to run in nodeport.

