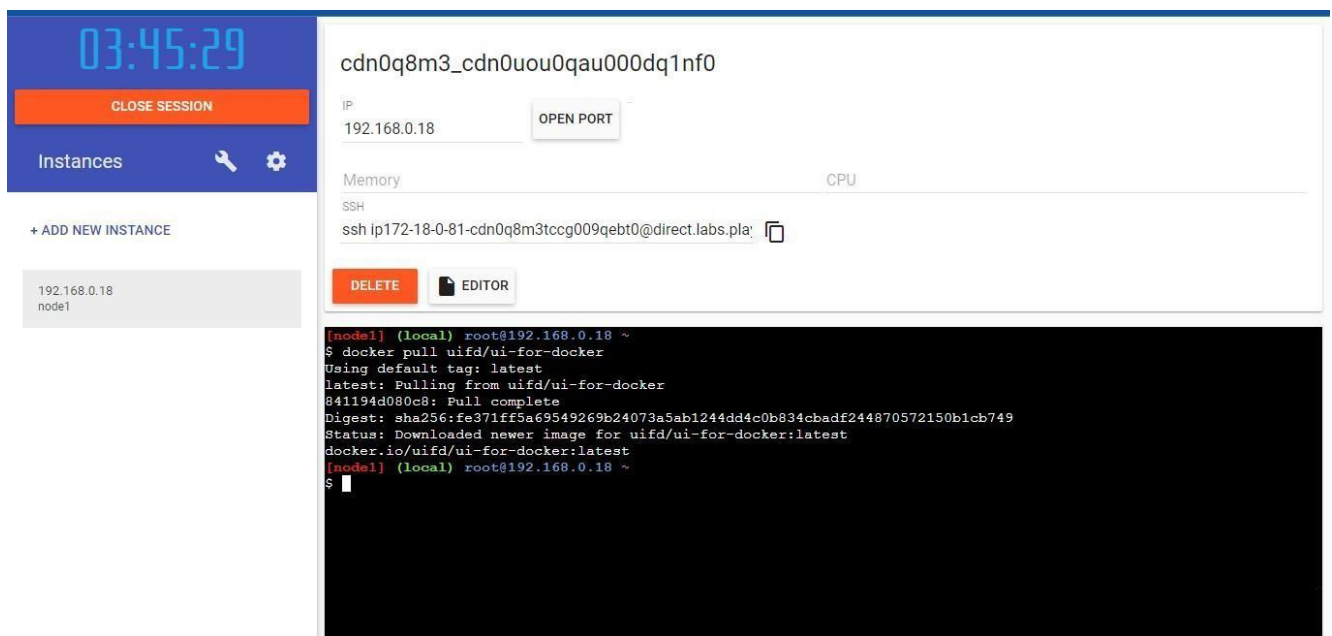# Team Id: PNT2022TMID50490
Topic   : News Tracker Application

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

To run a pulled image in docker playground, copy the run command of the pulled image.

This repo is deprecated. Development continues at: portainer/portainer

`chat` `on gitter`

UI For Docker is a web interface for the Docker Remote API. The goal is to provide a pure client side implementation so it is effortless to connect and manage docker.

Goals

- Minimal dependencies - I really want to keep this project a pure html/js app.

- Consistency - The web UI should be consistent with the commands found on the docker CLI.

Quickstart

1. Run: `docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker`

2. Open your browser to `http://<dockerd host ip>:9000`

Bind mounting the Unix socket into the UI For Docker container is much more secure than exposing your docker daemon over TCP. The `--privileged` flag is required for hosts using SELinux. You should still secure your UI For Docker instance behind some type of auth. Directions for using Nginx auth are here.

Specify socket to connect to Docker daemon

By default UI For Docker connects to the Docker daemon with `/var/run/docker.sock`. For this to work you need to bind mount the unix socket into the container with `-v /var/run/docker.sock:/var/run/docker.sock`.

You can use the `-H` flag to change this socket:

```
docker pull uifd/ui-for-docker
```

M Gmail ▶ YouTube 🌐 Maps Translate 🕐 History

03:37:25

CLOSE SESSION

Instances 🔧 ⚙

+ ADD NEW INSTANCE

192.168.0.18
node1

cdn0q8m3_cdn0uou0qau000dq1nf0

IP
192.168.0.18   **OPEN PORT**

Memory   CPU

SSH
ssh ip172-18-0-81-cdn0q8m3tccg009qebt0@direct.labs.pla 📋

DELETE   📄 **EDITOR**

```
[node1] (local) root@192.168.0.18 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841194d080c8: Pull complete
Digest: sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[nRun: docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
Run: docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
bash: Run:: command not found
[ndocker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
a1a76af493904262dc7c61b3a2eb94c2faa32dd2b643189ff1cb1a49e23f8496k:/var/run/docker.sock uifd/ui-for-docker
[node1] (local) root@192.168.0.18 ~
$
```
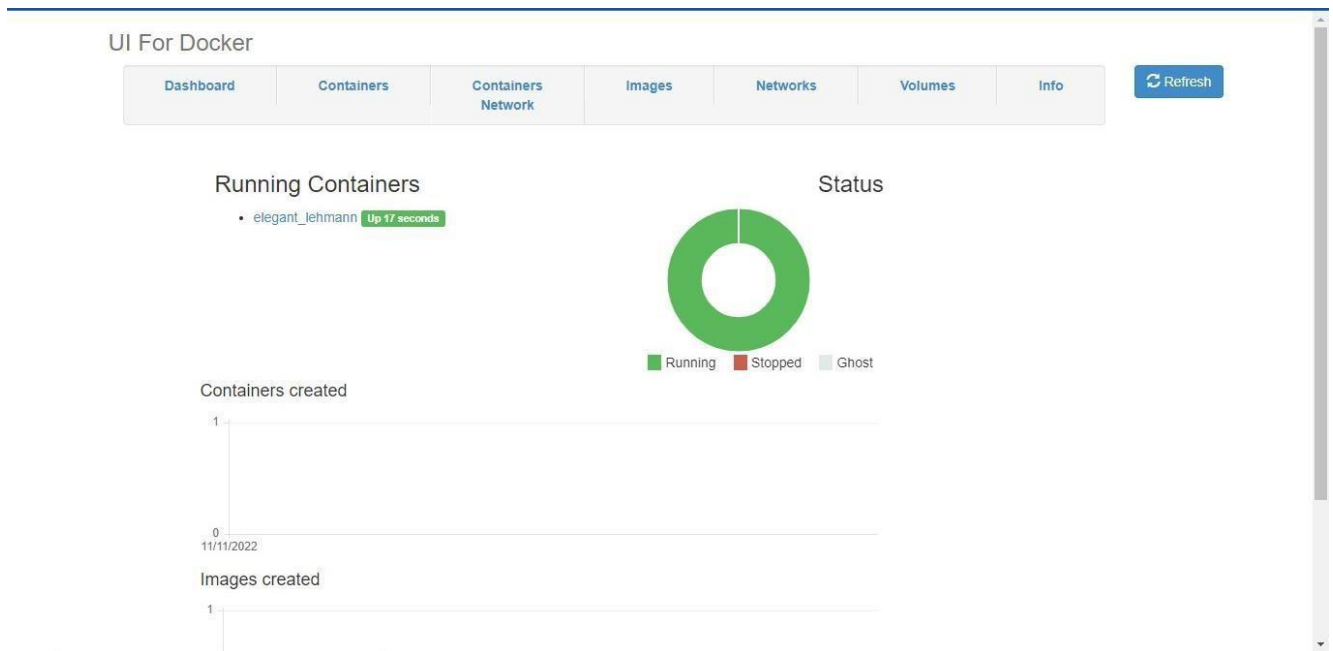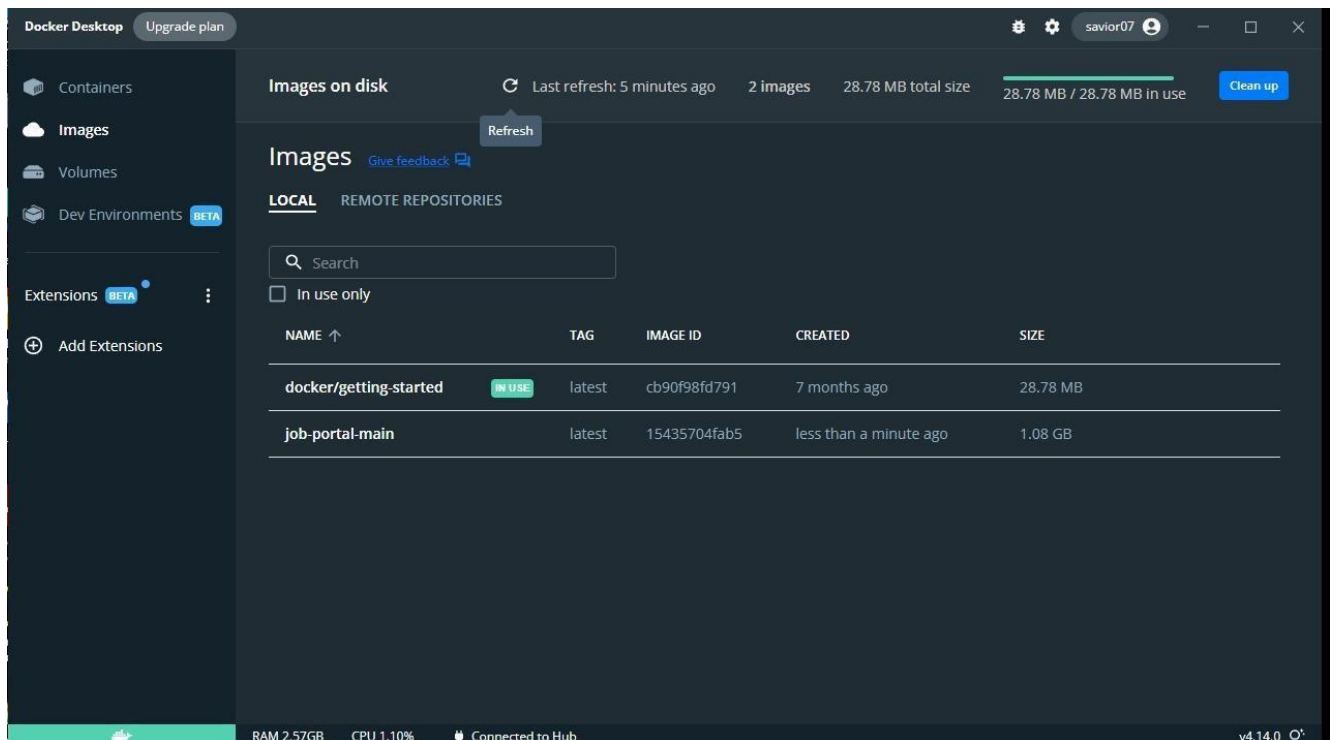
2. Create a docker file for the job portal application and deploy it inDocker desktop application.


```
FROM python:3.6
WORKDIR /app
ADD . /app
COPY requirements.txt /app
RUN python3 -m pip install -r requirements.txt
RUN python3 -m pip install ibm_db
EXPOSE 5000
CMD ["python","app.py"]
```

C:\WINDOWS\system32\CMD.exe   — □ ✕

 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://192.168.50.106:5000
Press CTRL+C to quit
127.0.0.1 - - [11/Nov/2022 21:04:39] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [11/Nov/2022 21:04:39] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - - [11/Nov/2022 21:04:41] "GET /static/img/smartinternz.png HTTP/1.1" 404 -
127.0.0.1 - - [11/Nov/2022 21:05:26] "GET /login HTTP/1.1" 200 -
127.0.0.1 - - [11/Nov/2022 21:05:26] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - - [11/Nov/2022 21:05:27] "GET /static/img/smartinternz.png HTTP/1.1" 404 -
False
127.0.0.1 - - [11/Nov/2022 21:05:37] "POST /login HTTP/1.1" 200 -
127.0.0.1 - - [11/Nov/2022 21:05:37] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - - [11/Nov/2022 21:05:37] "GET /static/img/smartinternz.png HTTP/1.1" 404 -
127.0.0.1 - - [11/Nov/2022 21:05:52] "GET /register HTTP/1.1" 200 -
127.0.0.1 - - [11/Nov/2022 21:05:52] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - - [11/Nov/2022 21:05:53] "GET /static/img/smartinternz.png HTTP/1.1" 404 -
False
127.0.0.1 - - [11/Nov/2022 21:06:14] "POST /register HTTP/1.1" 200 -
127.0.0.1 - - [11/Nov/2022 21:06:14] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - - [11/Nov/2022 21:06:14] "GET /static/img/smartinternz.png HTTP/1.1" 404 -
127.0.0.1 - - [11/Nov/2022 21:06:17] "GET /login HTTP/1.1" 200 -
127.0.0.1 - - [11/Nov/2022 21:06:17] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - - [11/Nov/2022 21:06:17] "GET /static/img/smartinternz.png HTTP/1.1" 404 -
{'USERNAME': 'savior', 'EMAIL': 'sarkarsathish003@gmail.com', 'PASSWORD': '123456'}
127.0.0.1 - - [11/Nov/2022 21:06:27] "POST /login HTTP/1.1" 200 -
127.0.0.1 - - [11/Nov/2022 21:06:28] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - - [11/Nov/2022 21:06:28] "GET /static/img/smartinternz.png HTTP/1.1" 404 -

C:\Users\ELCOT\News tracker>docker build -t jobportal.

C:\WINDOWS\system32\CMD.exe - docker build -t job-portal-main .   — □ ✕

[+] Building 1413.9s (9/11)
 => => sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 10.87MB / 10.87MB   30.9s
 => => sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 54.57MB / 54.57MB   114.3s
 => => sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fefd9112efc7e4d3c78f7 196.51MB / 196.51MB   219.7s
 => => sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 6.29MB / 6.29MB   117.0s
 => => sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 235B / 235B   122.7s
 => => sha256:9fddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB   140.2s
 => => sha256:c4f42be2be53b900ebffc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB   134.0s
 => => extracting sha256:0e29546d541cdbd309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3   55.7s
 => => extracting sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd   4.2s
 => => extracting sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56   3.6s
 => => extracting sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793   28.2s
 => => extracting sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fefd9112efc7e4d3c78f7   85.1s
 => => extracting sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743   5.9s
 => => extracting sha256:9fddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752   82.4s
 => => extracting sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7   0.7s
 => => extracting sha256:c4f42be2be53b900ebffc040c1df13de538434ccc5f5d954a56848a6169a3a3f   21.3s
 => [internal] load build context   10.9s
 => => transferring context: 35.97kB   7.8s
 => [2/6] WORKDIR /app   36.0s
 => [3/6] ADD . /app   31.9s
 => [4/6] COPY requirements.txt /app   37.2s
 => [5/6] RUN python3 -m pip install -r requirements.txt   598.3s
 => => #   Installing build dependencies: started
 => => #   Installing build dependencies: finished with status 'done'
 => => #   Getting requirements to build wheel: started
 => => #   Getting requirements to build wheel: still running...
 => => #   Getting requirements to build wheel: finished with status 'done'
 => => #   Installing backend dependencies: started

Pushing the image to repository

```
C:\Users\ELCOT>docker tag job-portal icr.io/job-portal/sathish
error during connect: This error may indicate that the docker daemon is not running.: Post "http://%2F%2F.%2Fpipe%2Fdock
er_engine/v1.24/images/job-portal/tag?repo=icr.io%2Fjob-portal%2Fsathish&tag=latest": open //./pipe/docker_engine: The s
ystem cannot find the file specified.

C:\Users\ELCOT>docker tag job-portal icr.io/jobportalmain/sathish
Error response from daemon: open \\.\pipe\docker_engine_linux: The system cannot find the file specified.

C:\Users\ELCOT>docker tag job-portal icr.io/jobportalmain/sathish
Error response from daemon: No such image: job-portal:latest

C:\Users\ELCOT>docker tag job-portal-main icr.io/jobportalmain/sathish

C:\Users\ELCOT>docker push au.icr.io/<myjobportalmain/sathish
The system cannot find the path specified.

C:\Users\ELCOT>docker push au.icr.io/jobportalmain/sathish
Using default tag: latest
The push refers to repository [au.icr.io/jobportalmain/sathish]
An image does not exist locally with the tag: au.icr.io/jobportalmain/sathish

C:\Users\ELCOT>docker tag job-portal-main au.icr.io/jobportalmain/sathish

C:\Users\ELCOT>
```

```
C:\WINDOWS\system32\CMD.exe - docker push au.icr.io/jobportalmain/sathish                    —    □    ×
Logged in to 'au.icr.io'.

OK

C:\Users\ELCOT>docker push icr.io/jobportalmain/sathish:jobportal
The push refers to repository [icr.io/jobportalmain/sathish]
tag does not exist: icr.io/jobportalmain/sathish:jobportal

C:\Users\ELCOT>docker push au.icr.io/jobportalmain/sathish:jobportal
The push refers to repository [au.icr.io/jobportalmain/sathish]
tag does not exist: au.icr.io/jobportalmain/sathish:jobportal

C:\Users\ELCOT>docker push au.icr.io/jobportalmain/sathish
Using default tag: latest
The push refers to repository [au.icr.io/jobportalmain/sathish]
1e837fb79336: Pushed
633a4d1a497f: Pushing [>                                           ]   2.148MB/178.4MB
f147c00294c3: Pushed
1b3259c0b03e: Pushed
976ac8d0ae8a: Pushed
aa4c808c19f6: Pushing [=====================================>      ]   5.752MB/8.054MB
8ba9f690e8ba: Pushing [==================================================>]  4.608kB
3e607d59ef9f: Pushing [====>                                       ]   3.823MB/41.36MB
1e18e7e1fcc2: Pushing [=============>                              ]   4.859MB/18.48MB
c3a0d593ed24: Waiting
26a504e63be4: Waiting
8bf42db0de72: Waiting
31892cc314cb: Waiting
11936051f93b: Waiting
```

Pulling the image from IBM container and runnig it.

```
1b3259c0b03e: Pushed
976ac8d0ae8a: Pushed
aa4c808c19f6: Pushed
8ba9f690e8ba: Pushed
3e607d59ef9f: Pushed
1e18e7e1fcc2: Pushed
c3a0d593ed24: Pushed
26a504e63be4: Pushed
8bf42db0de72: Pushed
31892cc314cb: Pushed
11936051f93b: Pushed
latest: digest: sha256:479751a5ed571237901d53f2c92d18b7cc0b2cf4d2fa69b0a7bcb883703544a3 size: 3259

C:\Users\ELCOT>docker pull au.icr.io/jobportalmain/sathish
Using default tag: latest
latest: Pulling from jobportalmain/sathish
Digest: sha256:479751a5ed571237901d53f2c92d18b7cc0b2cf4d2fa69b0a7bcb883703544a3
Status: Image is up to date for au.icr.io/jobportalmain/sathish:latest
au.icr.io/jobportalmain/sathish:latest

C:\Users\ELCOT>docker run -p 5000:5000 au.icr.io/jobportalmain/sathish
 * Serving Flask app 'app' (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on all addresses.
   WARNING: This is a development server. Do not use it in a production deployment.
 * Running on http://172.17.0.2:5000/ (Press CTRL+C to quit)
```


Aboutus

Mission

SMARTBRIDGE is an edTech organization with a vision to bridge the gap between academia & industry. Our outcome-based experiential learning programs on emerging technologies (Internet of Things, Machine Learning, Data Science, Artificial Intelligence, Robotics) are building skilled entry - level engineers, for the corporate world. .

Vission

Our main objective is to bridge the existing gaps between prevailing industry standards and what the academics offer to the graduates while passing out of university. SmartBridge offers suitable skill deployment and training to the young talent before on boarding their first job. Our skill development programs are designed considering the present expectations in the industry.

Objective

Well directed career guidance programs for educational institutions Appropriate certification courses that suit the industry need Train the trainers; expanded awareness about the current industry standards Liaise with corporates to offer niche internships Establish technology development centers in colleges Specialised incubation centers in collaboration with corporates

JobPortal

Lorem ipsum dolor sit amet consectetur adipisicing elit. Voluptatum quis, reiciendis id magni magnam, accusamus nobis in, temporibus molestias ab placeat rerum aperiam illum perspiciatis ducimus non! Fugiat, odit ducimus.
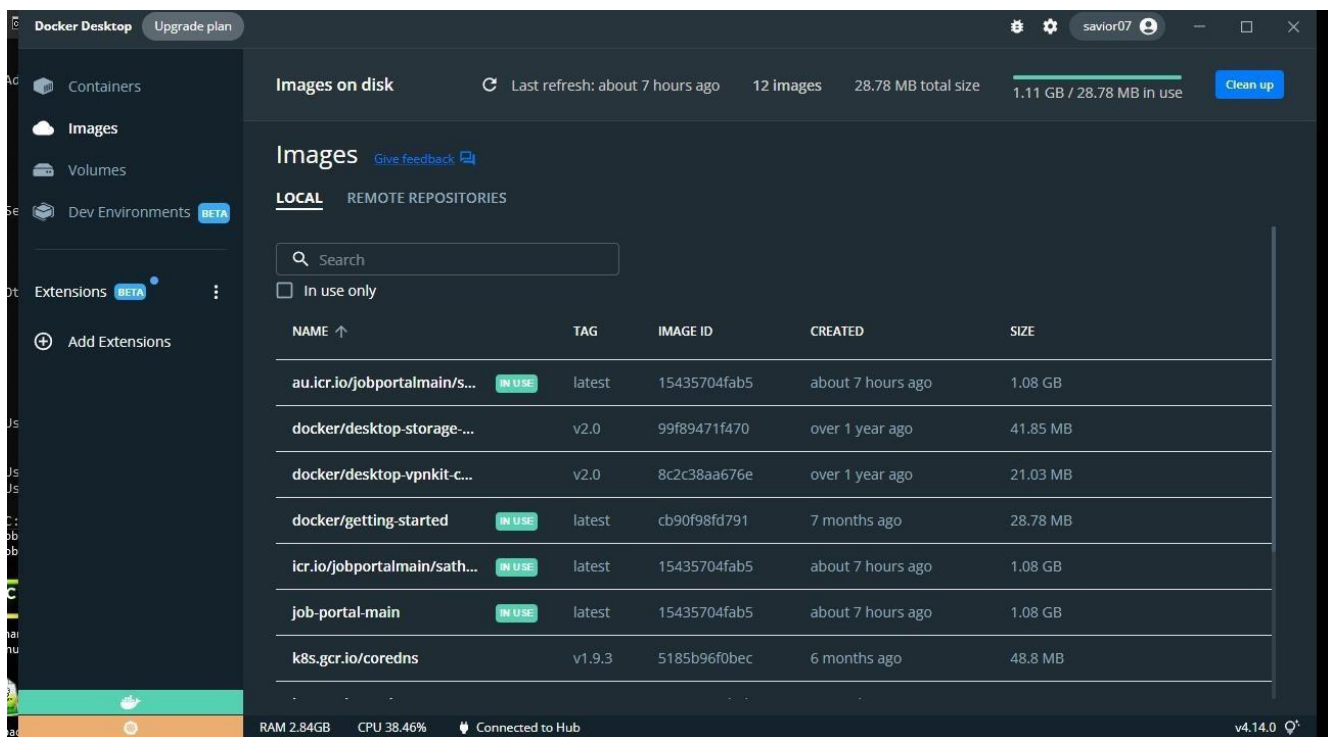
Get in Touch

- jobportal@gmail.com
- +91 8977787657

```
3e607d59ef9f: Pushed
1e18e7e1fcc2: Pushed
c3a0d593ed24: Pushed
26a504e63be4: Pushed
8bf42db0de72: Pushed
31892cc314cb: Pushed
11936051f93b: Pushed
latest: digest: sha256:479751a5ed571237901d53f2c92d18b7cc0b2cf4d2fa69b0a7bcb883703544a3 size: 3259

C:\Users\ELCOT>docker pull au.icr.io/jobportalmain/sathish
Using default tag: latest
latest: Pulling from jobportalmain/sathish
Digest: sha256:479751a5ed571237901d53f2c92d18b7cc0b2cf4d2fa69b0a7bcb883703544a3
Status: Image is up to date for au.icr.io/jobportalmain/sathish:latest
au.icr.io/jobportalmain/sathish:latest

C:\Users\ELCOT>docker run -p 5000:5000 au.icr.io/jobportalmain/sathish
 * Serving Flask app 'app' (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on all addresses.
   WARNING: This is a development server. Do not use it in a production deployment.
 * Running on http://172.17.0.2:5000/ (Press CTRL+C to quit)
172.17.0.1 - - [13/Nov/2022 13:42:33] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [13/Nov/2022 13:42:34] "GET /css/style.css HTTP/1.1" 404 -
172.17.0.1 - - [13/Nov/2022 13:42:34] "GET /static/img/smartinternz.png HTTP/1.1" 404 -
172.17.0.1 - - [13/Nov/2022 13:42:35] "GET /assets/img/favicon-32x32.png HTTP/1.1" 404 -
```

3. Create a Kubernets Cluster in IBM cloud and deploy hello world image or job portal image.

Docker Desktop | Upgrade plan

savior07

Images on disk   Last refresh: 2 days ago   **15 images**   28.78 MB total size   2.16 GB / 28.78 MB in use   **Clean up**

- Containers
- Images
- Volumes
- Dev Environments BETA

Extensions BETA

Add Extensions

Images   Give feedback

LOCAL   REMOTE REPOSITORIES

☐ In use only

NAME ↑		TAG	IMAGE ID	CREATED	SIZE
au.icr.io/jobportalmain...	IN USE	latest	15435704fab5	2 days ago	1.08 GB
docker/desktop-storag...	IN USE	v2.0	99f89471f470	over 1 year ago	41.85 MB
docker/desktop-vpnkit...	IN USE	v2.0	8c2c38aa676e	over 1 year ago	21.03 MB
docker/getting-started	IN USE	latest	cb90f98fd791	7 months ago	28.78 MB
hubproxy.docker.inter...		kubernetes-v1.25....	09d7e1dbc2c4	about 2 months ago	363.32 MB
icr.io/jobportalmain/sa...	IN USE	latest	15435704fab5	2 days ago	1.08 GB	RUN ▶
job-portal-main	IN USE	latest	15435704fab5	2 days ago	1.08 GB
k8s.gcr.io/coredns	IN USE	v1.9.3	5185b96f0bec	6 months ago	48.8 MB

RAM 2.83GB   CPU 59.51%   Connected to Hub   v4.14.0

```
C:\WINDOWS\system32\cmd.exe

Microsoft Windows [Version 10.0.19042.1706]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ELCOT>kubectl
kubectl controls the Kubernetes cluster manager.

 Find more information at: https://kubernetes.io/docs/reference/kubectl/

Basic Commands (Beginner):
  create        Create a resource from a file or from stdin
  expose        Take a replication controller, service, deployment or pod and expose it as a new Kubernetes service
  run           Run a particular image on the cluster
  set           Set specific features on objects

Basic Commands (Intermediate):
  explain       Get documentation for a resource
  get           Display one or many resources
  edit          Edit a resource on the server
  delete        Delete resources by file names, stdin, resources and names, or by resources and label selector

Deploy Commands:
  rollout       Manage the rollout of a resource
  scale         Set a new size for a deployment, replica set, or replication controller
  autoscale     Auto-scale a deployment, replica set, stateful set, or replication controller

Cluster Management Commands:
  certificate   Modify certificate resources.
  cluster-info  Display cluster information
  top           Display resource (CPU/memory) usage
  cordon        Mark node as unschedulable
  uncordon      Mark node as schedulable
  drain         Drain node in preparation for maintenance
  taint         Update the taints on one or more nodes

Troubleshooting and Debugging Commands:
  describe      Show details of a specific resource or group of resources
  logs          Print the logs for a container in a pod
  attach        Attach to a running container
  exec          Execute a command in a container
  port-forward  Forward one or more local ports to a pod
  proxy         Run a proxy to the Kubernetes API server
  cp            Copy files and directories to and from containers
  auth          Inspect authorization
  debug         Create debugging sessions for troubleshooting workloads and nodes

Advanced Commands:
```

```
  kubectl [flags] [options]

Use "kubectl <command> --help" for more information about a given command.
Use "kubectl options" for a list of global command-line options (applies to all commands).

C:\Users\ELCOT>cd C:\Program Files\job-portal-main\job-portal-main

C:\Program Files\job-portal-main\job-portal-main>kubectl create -f deployment.yaml
error: the path "deployment.yaml" does not exist

C:\Program Files\job-portal-main\job-portal-main>kubectl create -f deployment.yaml
error: the path "deployment.yaml" does not exist

C:\Program Files\job-portal-main\job-portal-main>docker login
Authenticating with existing credentials...
Login Succeeded
```

```
    --template='':
        Template string or path to template file to use when -o=go-template, -o=go-template-file. The template format
        is golang templates [http://golang.org/pkg/text/template/#pkg-overview].

    --validate='strict':
        Must be one of: strict (or true), warn, ignore (or false).                "true" or "strict" will use a schema to validate
        the input and fail the request if invalid. It will perform server side validation if ServerSideFieldValidation
        is enabled on the api-server, but will fall back to less reliable client-side validation if not.                "warn" will
        warn about unknown or duplicate fields without blocking the request if server-side field validation is enabled
        on the API server, and behave as "ignore" otherwise.                "false" or "ignore" will not perform any schema
        validation, silently dropping any unknown or duplicate fields.

    --windows-line-endings=true:
        Only relevant if --edit=true. Defaults to the line ending native to your platform.

Usage:
  kubectl create -f FILENAME [options]

Use "kubectl <command> --help" for more information about a given command.
Use "kubectl options" for a list of global command-line options (applies to all commands).

C:\Program Files\job-portal-main\job-portal-main>kubectl create -f service.yaml
error: the path "service.yaml" does not exist

C:\Program Files\job-portal-main\job-portal-main>kubectl create -f deployment.yaml
deployment.apps/flask-node-deployment created

C:\Program Files\job-portal-main\job-portal-main>
```

```
      --template='':
          Template string or path to template file to use when -o=go-template, -o=go-template-file. The template format
          is golang templates [http://golang.org/pkg/text/template/#pkg-overview].

      --validate='strict':
          Must be one of: strict (or true), warn, ignore (or false).                "true" or "strict" will use a schema to validate
          the input and fail the request if invalid. It will perform server side validation if ServerSideFieldValidation
          is enabled on the api-server, but will fall back to less reliable client-side validation if not.                "warn" will
          warn about unknown or duplicate fields without blocking the request if server-side field validation is enabled
          on the API server, and behave as "ignore" otherwise.                "false" or "ignore" will not perform any schema
          validation, silently dropping any unknown or duplicate fields.

      --windows-line-endings=true:
          Only relevant if --edit=true. Defaults to the line ending native to your platform.

Usage:
  kubectl create -f FILENAME [options]

Use "kubectl <command> --help" for more information about a given command.
Use "kubectl options" for a list of global command-line options (applies to all commands).

C:\Program Files\job-portal-main\job-portal-main>kubectl create -f service.yaml
error: the path "service.yaml" does not exist

C:\Program Files\job-portal-main\job-portal-main>kubectl create -f deployment.yaml
deployment.apps/flask-node-deployment created

C:\Program Files\job-portal-main\job-portal-main>kubectl get pods
NAME                                       READY    STATUS             RESTARTS    AGE
flask-node-deployment-8489d6db57-pmjg4     0/1      ContainerCreating  0           3m13s

C:\Program Files\job-portal-main\job-portal-main>
```