

Assignment -4

Docker and Kubernetes

Assignment Date	21 November 2022
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Maximum Marks	2 Marks

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

The screenshot shows the Docker Hub interface for the repository `uifd/ui-for-docker`. The repository is marked as deprecated, with a note that development continues at `portainer/portainer`. The description states: "A web interface for Docker, formerly known as DockerUI. Deprecated, use Portainer for new features." The Docker pull command is displayed as `docker pull uifd/ui-for-docker`. The page also includes a "chat on github" button and a "Goals" section with the text: "Minimal dependencies - I really want to keep this project a pure html/js app."

IBM - Google Search | careereducation.smartintenz.com | IBM-Project-40862-1660636795 | uifd/ui-for-docker - Docker Images | Docker Playground

labs.play-with-docker.com/p/ctdtsvf91rrg008mlhug#ctdtsvf9_cdtjtpu3tccg00csj59g

Arithmetic Progress... | P A COLLEGE OF E... | IBM | The Course Overvie... | Course | CEAGL1N...

03:57:45

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.18
node1

cdtjsvf9_cdtjtpu3tccg00csj59g

IP: 192.168.0.18 OPEN PORT

Memory: 0.94% (37.41MiB / 3.906GiB) CPU: 0.16%

SSH: ssh ip172-18-0-40-cdtjsvf91rrg008mlhug@direct.labs.play-w

DELETE EDITOR

```

#####
# WARNING!!!!
# This is a sandbox environment. Using personal credentials
# is HIGHLY! discouraged. Any consequences of doing so are
# completely the user's responsibilities.
#
# The FWD team.
#####
(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
(node1) (local) root@192.168.0.18 ~
$

```

Windows taskbar: Search, 14:34, 21-11-2022

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

IBM - Google Search | careereducation.sma... | IBM-Project-40862-1... | uifd/ui-for-docker - Docker Images | TOP 6 GUI tools for Docker | Kitematic: A Docker GUI Joins The Docker Family 2 | Docker Desktop 3 GUI tools for Docker

docker.com/blog/kitematic-a-docker-gui-joins-the-docker-family/

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Containers

New Container

Select an image to create a new container.

Find an image from Docker Hub

Recommended

- hello-world-nginx: Hello World Nginx server for Kitematic
- ghost: Ghost is a simple publishing platform that allows you to share your stories with the world.
- official/jenkins: Official Jenkins Docker image
- official/redis: Redis is an open source key-value store that functions as a data structure server.
- rethinkdb: RethinkDB is an open-source, document database that makes it easy to build and scale real-time...
- minecraft: The Minecraft multiplayer server allows two or more players to play Minecraft together

Kitematic A Docker GUI Joins The Docker Family 2

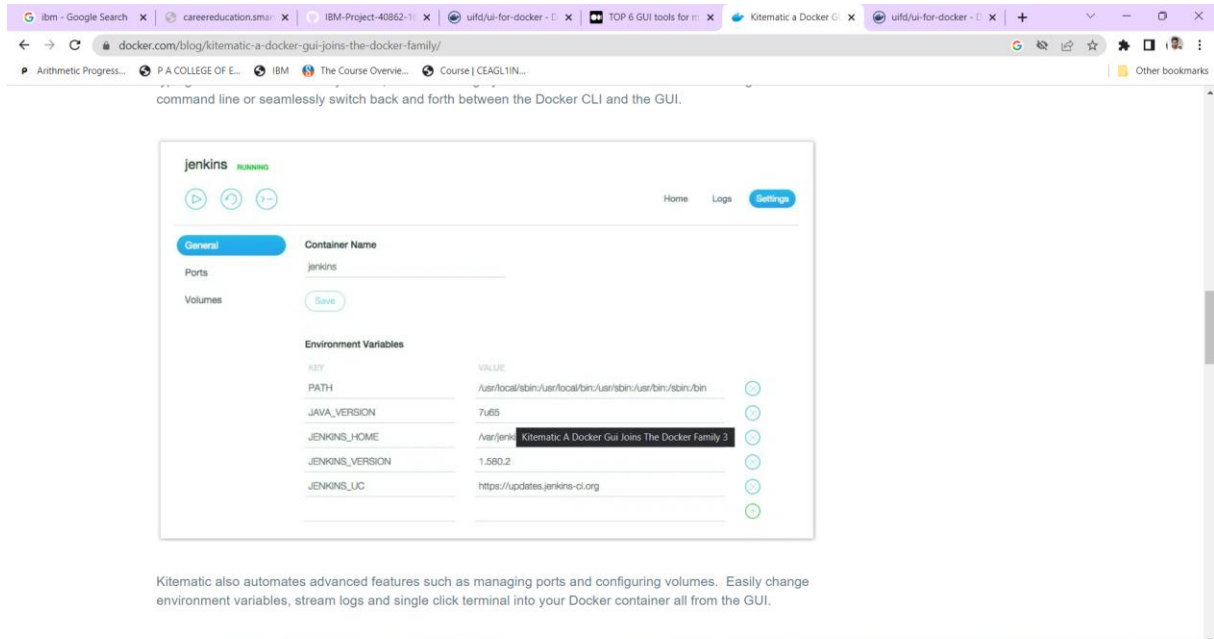
Community All-Hands: On-Demand

All sessions from our 6th Community All-Hands are now available on-demand! Over 35 talks cover best practices, demos, open source, product updates, community news, and more. Catch up on the sessions you missed—or review your favorites.

Watch Now

Kitematic completely automates the Docker installation and setup process and provides an intuitive graphical

Windows taskbar: Search, 14:37, 21-11-2022



```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\rocky>docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS          NAMES
a908bf0e027b   docker/getting-started:latest  "/docker-entrypoint..."  19 minutes ago  Up 18 minutes  80/tcp         mystifying_satoshi
47f6a9af762b   docker/getting-started  "/docker-entrypoint..."  34 minutes ago  Up 34 minutes  0.0.0.0:80->80/tcp  cranky_antonelli

C:\Users\rocky>docker info
Client:
Context:      default
Debug Mode:  false
Plugins:
  buildx: Docker Buildx (Docker Inc., v0.9.1)
  compose: Docker Compose (Docker Inc., v2.12.2)
  dev: Docker Dev Environments (Docker Inc., v0.0.3)
  extension: Manages Docker extensions (Docker Inc., v0.2.13)
  sbom: View the packaged-based Software Bill Of Materials (SBOM) for an image (Anchore Inc., 0.6.0)
  scan: Docker Scan (Docker Inc., v0.21.0)

Server:
Containers: 2
  Running: 2
  Paused: 0
  Stopped: 0
Images: 1
Server Version: 20.10.21
Storage Driver: overlay2
  Backing Filesystem: extfs
  Supports d_type: true
  Native Overlay Diff: true
  userxattr: false
Logging Driver: json-file
Cgroup Driver: cgroupfs
Cgroup Version: 1
Plugins:
  Volume: local
  Network: bridge host ipvlan macvlan null overlay
  Log: awslogs fluentd gcplogs gelf journald json-file local logentries splunk syslog
Swarm: inactive
```

```
Command Prompt

Security Options:
  seccomp
    Profile: default
Kernel Version: 5.10.102.1-microsoft-standard-WSL2
Operating System: Docker Desktop
OSType: linux
Architecture: x86_64
CPUs: 8
Total Memory: 3.657GiB
Name: docker-desktop
ID: A6AN:BUU7:PY63:AWAN:WVQI:WQ55:YTC5:UTMH:IH7N:K55X:XEYF:CFUP
Docker Root Dir: /var/lib/docker
Debug Mode: false
HTTP Proxy: http.docker.internal:3128
HTTPS Proxy: http.docker.internal:3128
No Proxy: hubproxy.docker.internal
Registry: https://index.docker.io/v1/
Labels:
Experimental: false
Insecure Registries:
  hubproxy.docker.internal:5000
  127.0.0.0/8
Live Restore Enabled: false

WARNING: No blkio throttle.read_bps_device support
WARNING: No blkio throttle.write_bps_device support
WARNING: No blkio throttle.read_iops_device support
WARNING: No blkio throttle.write_iops_device support

C:\Users\rocky>
```

