

# Containerize the app

PNT2022TMID17385

The screenshot shows the Docker Hub page for the repository `uifd/ui-for-docker`. The page header includes the Docker Hub logo, a search bar with the text `uifd/ui-for-docker`, and navigation links for Explore, Repositories, Organizations, and Help. A purple banner at the top promotes Wasm as a fast, light alternative to Linux containers. The repository page shows a blue cube icon, the name `uifd/ui-for-docker` with a star, and a note that it is deprecated, with development continuing at `portainer/portainer`. A 'Pulls 10M+' badge is visible. Below the repository name, there are tabs for Overview and Tags. The Overview tab is active, showing a message: 'This repo is deprecated. Development continues at: [portainer/portainer](#)'. A 'chat on github' button is also present. On the right, there is a 'Docker Pull' section with a 'Pull command copied' button and a code block containing `docker pull uifd/ui-for-docker`. The bottom of the screenshot shows a Windows taskbar with various application icons and a system clock displaying 12:13 PM on 11/12/2022.

The screenshot displays the Docker Playground interface. On the left, there is a sidebar with a digital clock showing 03:49:20, a 'CLOSE SESSION' button, and an 'Instances' section with a '+ ADD NEW INSTANCE' button. Below this, a list of instances shows one instance with IP 192.168.0.28 and name 'node1'. The main area shows details for the selected instance, including its IP (192.168.0.28), memory usage (1.62% / 64.75MiB / 3.906GiB), CPU usage (0.22%), and an SSH command: `ssh lp172-18-0-33-cdnvq2791rrg00d8sqag@direct.labs.play`. There are 'DELETE' and 'EDITOR' buttons. Below the instance details, a terminal window shows the following commands and output:

```
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
Digest: sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Image is up to date for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[node1] (local) root@192.168.0.28 ~
$ docker run
"docker run" requires at least 1 argument.
See 'docker run --help'.

Usage: docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

Run a command in a new container
[node1] (local) root@192.168.0.28 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
066944dee79e46c22aac114c1cacc62ef9bf49100222f2709939841e0f03cfb1
[node1] (local) root@192.168.0.28 ~
$
```

The bottom of the screenshot shows a Windows taskbar with various application icons and a system clock displaying 12:18 PM on 11/12/2022.

docker hub - Google Search x uifd/ui-for-docker - Docker Images x Docker Playground x UI For Docker x +

Not secure | ip172-18-0-33-cdnvq2791rrg00d8sqag-9000.direct.labs.play-with-docker.com/#/

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# UI For Docker

Dashboard Containers Containers Network Images Networks Volumes Info Refresh

Running Containers

- modest\_banzai Up 7 minutes

Status

Running Stopped Ghost

Containers created

11/12/2022

Images created

11/12/2022

docker hub - Google Search x Explore Docker's Container Images x Docker Playground x UI For Docker x +

labs.play-with-docker.com/p/cdnvq2791rrg00d8sqag#cdnvq279\_cdnvq6n91rrg00d8sqc0

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03:45:38

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.28 node1

cdnvq279\_cdnvq6n91rrg00d8sqc0

IP: 192.168.0.28 OPEN PORT 9000

Memory: 1.66% (66.32MiB / 3.906GiB) CPU: 3.45%

SSH: ssh ip172-18-0-33-cdnvq2791rrg00d8sqag@direct.labs.play

DELETE EDITOR

Status: Image is up to date for uifd/ui-for-docker:latest  
docker.io/uifd/ui-for-docker:latest  
[node1] (local) root@192.168.0.28 ~  
\$ docker run  
"docker run" requires at least 1 argument.  
See 'docker run --help'.  
Usage: docker run [OPTIONS] IMAGE [COMMAND] [ARG...]  
Run a command in a new container  
[node1] (local) root@192.168.0.28 ~  
\$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker  
06c944dec79e46c22aac114c1cacc62ef9bf49100222f2709939841e0f03cfeb1  
[node1] (local) root@192.168.0.28 ~  
\$ docker images  
REPOSITORY TAG IMAGE ID CREATED SIZE  
uifd/ui-for-docker latest 965940f98fa5 6 years ago 8.1MB  
[node1] (local) root@192.168.0.28 ~  
\$

docker hub - Google Search x uifd/ui-for-docker - Docker Images x Docker Playground x UI For Docker x

labs.play-with-docker.com/p/cdnvq2791rrg00d8sqag#cdnvq279\_cdnvq6n91rrg00d8sqc0

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03:39:50

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.28  
node1

cdnvq279\_cdnvq6n91rrg00d8sqc0

IP  
192.168.0.28  
OPEN PORT 9000

Memory  
1.66% (66.59MiB / 3.906GiB)

CPU  
0.27%

SSH  
ssh ip172-18-0-33-cdnvq2791rrg00d8sqag@direct.labs.play

DELETE EDITOR

```
[node1] (local) root@192.168.0.28 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
066944dee79e46c22aac114c1cacc62ef9bf49100222f2709939841e0f03cfb1
[node1] (local) root@192.168.0.28 ~
$ docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
uifd/ui-for-docker  latest         965940f98fa5    6 years ago     8.1MB
[node1] (local) root@192.168.0.28 ~
$ docker ps
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS        PORTS                               NAMES
066944dee79e  uifd/ui-for-docker  "/ui-for-docker"        5 minutes ago  Up 5 minutes  0.0.0.0:9000->9000/tcp             modest_banzai
[node1] (local) root@192.168.0.28 ~
$ docker rmi -f uifd/ui-for-docker
Untagged: uifd/ui-for-docker:latest
Untagged: uifd/ui-for-docker@sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
[node1] (local) root@192.168.0.28 ~
$
```

Docker Desktop Upgrade plan

Containers Give feedback

C:\Windows\System32\cmd.exe - docker build -t jobnew .

Microsoft Windows [Version 10.0.19044.2251]  
(c) Microsoft Corporation. All rights reserved.

C:\Users\ghanush\Desktop\ghanush\jobportal>docker build -t jobnew .

```
[+] Building 44.7s (5/11)
=> [internal] load .dockerignore 3.9s
=> => transferring context: 2B 0.4s
=> [internal] load build definition from Dockerfile 4.3s
=> => transferring dockerfile: 229B 0.6s
=> [internal] load metadata for docker.io/library/python:3.6 21.8s
=> [auth] library/python:pull token for registry-1.docker.io 0.0s
=> [1/6] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af 15.2s
=> => resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6 1.5s
=> => sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 1.86kB / 1.86kB 0.0s
=> => sha256:d097a4907a8ec079df5ac31872359c2de510f82214c0448e926393b376d3b60d 2.22kB / 2.22kB 0.0s
=> => sha256:4428e18d973e31d14c6a21fc088080c048e27b14c0082009ff914344eb104 0.22kB / 0.22kB 0.0s
=> => sha256:9e29546d541cbbd309281d21173a9d1db78665c1b95b74f32b080a0b77a6e1e3 5.07MB / 54.02MB 14.1s
=> => sha256:9b29c73b52b92b97d5c07a54fb0f3a021995a296c714b53a32a67410231fcd 3.23MB / 5.15MB 14.1s
=> => sha256:cb5b7ae36172f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 2.80MB / 10.87MB 14.1s
=> [internal] load build context 6.8s
=> => transferring context: 30.12kB 3.6s
```

aa6ce99aa4e2

k8s\_POD\_kube-controller-manager-1 k8s err in/nausea^3.R Running

Showing 8 items

RAM 2.85GB CPU 97.24% Connected to Hub v4.13.1

Type here to search 12:50 PM 11/12/2022

```
C:\Windows\System32\cmd.exe - docker run -p 5000:5000 jobnew
-> [1/6] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
-> resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
-> sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 1.86kB / 1.86kB
-> sha256:d097a4907a8ec079df5ac31872359c2de510f82214c0448e926393b376d3b06d 2.22kB / 2.22kB
-> sha256:54260638d07c5e3ad24c6e21fc889abbc8486a27634c0892086ff71f3f44b104 9.27kB / 9.27kB
-> sha256:0e29546d541c0bd309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 54.92MB / 54.92MB
-> sha256:96829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB
-> sha256:cb5b7ae361722f07eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 10.07MB / 10.07MB
-> sha256:6494e4811622b31c027ccac322ca463937f086f569a93e6f15c01aade718793 54.57MB / 54.57MB
-> sha256:6f9f74896df03fe0172f594faba85e0b4e8a0481a8fcd0112efc7e4d3c78f7 196.51MB / 196.51MB
-> sha256:5e3b1213efc56598a78bd602983945c164de2a37205e06a62ada823124dc743 6.29MB / 6.29MB
-> sha256:9fddfd5c6334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB
-> sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 235B / 235B
-> sha256:c4f42be2be53b90e0bffc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB
-> extracting sha256:0e29546d541c0bd309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3
-> extracting sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd
-> extracting sha256:cb5b7ae361722f07eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56
-> extracting sha256:6494e4811622b31c027ccac322ca463937f086f569a93e6f15c01aade718793
-> extracting sha256:6f9f74896df03fe0172f594faba85e0b4e8a0481a8fcd0112efc7e4d3c78f7
-> extracting sha256:5e3b1213efc56598a78bd602983945c164de2a37205e06a62ada823124dc743
-> extracting sha256:9fddfd5c6334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752
-> extracting sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7
-> extracting sha256:c4f42be2be53b90e0bffc040c1df13de538434ccc5f5d954a56848a6169a3a3f
-> [internal] load build context
-> transferring context: 30.12kB
-> [2/6] WORKDIR /app
-> [3/6] ADD . /app
-> [4/6] COPY requirements.txt /app
-> [5/6] RUN python3 -m pip install -r requirements.txt
-> [6/6] RUN python3 -m pip install ibm_db
-> exporting to image
-> exporting layers
-> writing image sha256:8eeb0bc45fd239a23af31d54fcd6f7706c1c70382335fbd9ffcd22df32e9b
-> naming to docker.io/library/jobnew

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

C:\Users\dhanush\Desktop\dhanush\jobportal>docker run -p 5000:5000 jobnew
* 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)
* Serving Flask app 'app' (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
```

