

Containerize The App

```
File Edit Selection View Go Run Terminal Help
app.py \ app.py CL\IBM X Dockerfile requirements.txt sendemail.py

EXPLORER
OPEN EDITORS
IBM
  _pycache_
  .vscode
  static
  css
  images
  js
  templates
  .dockerignore
  app.py
  DigicertGlobalRootCA.crt
  Dockerfile
  requirements.txt
  sendemail.py

C:\Users\Nanthakumar\Documents> IBM > app.py > ...
1 from flask import Flask, render_template, request, redirect, session, url_for
2 from datetime import datetime
3
4 import ibm_db
5 import re
6 import sendemail
7
8 app = Flask(__name__)
9
10 hostname = '55fbc997-9266-4331-afd3-888b05e734c0.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;'
11 uid = 'xzh21841'
12 pwd = 'nHocC72IDavJaypx'
13 driver = '{IBM DB2 ODBC DRIVER}'
14 db name = 'bludb'
15 port = '31929'
16 protocol = 'TCP/IP'
17 cert = "DigicertGlobalRootCA.crt"
18 dsn = (
19     "DATABASE={0};"
20     "HOSTNAME={1};"
21 )
22
23 Press CTRL+C to quit
24 * Restarting with stat
25 * Debugger is active!
26 * Debugger PID: 624-876-990
27
28 127.0.0.1 - [24/Nov/2022 11:40:11] "GET / HTTP/1.1" 200 -
29 127.0.0.1 - [24/Nov/2022 11:40:14] "GET /static/images/img-2.jpg HTTP/1.1" 200 -
30 127.0.0.1 - [24/Nov/2022 11:40:14] "GET /static/css/home.css HTTP/1.1" 200 -
31 127.0.0.1 - [24/Nov/2022 11:40:14] "GET /static/js/home.js HTTP/1.1" 200 -
32 127.0.0.1 - [24/Nov/2022 11:40:14] "GET /static/images/hero-bg.jpg HTTP/1.1" 200 -
33 127.0.0.1 - [24/Nov/2022 11:40:14] "GET /static/images/img-1.png HTTP/1.1" 200 -
34 127.0.0.1 - [24/Nov/2022 11:40:14] "GET /favicon.ico HTTP/1.1" 404 -
35
36 PS C:\Users\Nanthakumar\Downloads\IBMP> docker run -d -p 5000:5000 ibm
37 5e5bb74ceab52a33464a929a15aef32abba6954120bcee76e072bd080e2d21e1
38 PS C:\Users\Nanthakumar\Downloads\IBMP> docker ps
39
40 CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
41 5e5bb74ceab5   ibm      "python app.py"         15 seconds ago    Up 13 seconds    0.0.0.0:5000->5000/tcp    infallible_shamir
42
43 PS C:\Users\Nanthakumar\Downloads\IBMP> 0.0.0.0:5000
```

Docker Desktop

Upgrade plan

Containers

Images

Volumes

Dev Environments

Extensions

Add Extensions

Images on disk

Last refresh: about 18 hours ago1.12 GB total size1.09 GB / 1.12 GB in use

Images

An image is a read-only template with instructions for creating a Docker container.

LOCALREMOTE REPOSITORIES

Search

	NAME	TAG	STATUS	CREATED	SIZE	ACTIONS
<input type="checkbox"/>	peta1 e94d5d4d4389	latest	In use	about 1 hour ago	1.14 GB	
<input type="checkbox"/>	lcr.io/expense_ns/expense_repo e94d5d4d4389	latest	In use	about 1 hour ago	1.14 GB	
<input type="checkbox"/>	in.lcr.io/expense_ns/expense_repo e94d5d4d4389	latest	In use	about 1 hour ago	1.14 GB	
<input type="checkbox"/>	ibm d2056ec9915c	latest	Unused	about 8 hours ago	1.14 GB	
<input type="checkbox"/>	lcr.io/expense_ns/expense_repo 43333e3819ed	<none>	In use (dangling)	about 12 hours ago	1.09 GB	
<input type="checkbox"/>	hubproxy.docker.internal:5000/docker/desktop-kubernetes 09d7e1db2c24	kubernetes-v1	Unused	2 months ago	363.32 MB	
<input type="checkbox"/>	k8s.gcr.io/kube-apiserver 97801f839490	v1.25.2	Unused	2 months ago	127.73 MB	
<input type="checkbox"/>	k8s.gcr.io/kube-scheduler					

Showing 15 items

RAM 3.10GBCPU 0.65%Not connected to Hub

MSI Center

v4.13.1

FileEditSelectionViewGoRunTerminalHelp

EXPLORER

OPEN EDITORS

IBMDockerfile

requirements.txt

PROBLEMSOUTPUTDEBUG CONSOLETERMINALJUPYTER

Ln 1, Col 1Spaces: 4UTF-8CRLFpip requirements

login.css

Dockerfile

requirements.txt

FROM python:3.7

RUN apt-get update

RUN mkdir /app

WORKDIR /app

COPY . /app

RUN pip install -r requirements.txt

EXPOSE 5000

ENTRYPOINT ["python"]

CMD ["app.py"]

requirements.txt

1 flask

2 ibm_db

3 sendgrid

na844f15b35: Pushed

0

09:13 AM25-11-2022

Docker Desktop

Upgrade plan

Containers

Images

Volumes

Dev Environments

Extensions

Add Extensions

RAM 3.21GB

CPU 0.90%

Not connected to Hub

v4.13.1

lucid_khayyam petal

EXITED (0)

Logs

Inspect

Terminal

Stats

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

* Restarting with stat

* Debugger is active!

* Debugger PIN: 120-162-553

172.17.0.1 - - [25/Nov/2022 03:05:24] "GET / HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:25] "GET /static/css/home.css HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:25] "GET /static/images/img-2.jpg HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:25] "GET /static/js/home.js HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:25] "GET /static/images/hero-bg.jpg HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:25] "GET /static/images/img-1.png HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:29] "GET /static/images/bg1.jpg HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:29] "GET /static/images/home-page.png HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:29] "GET /static/images/avatar.png HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:29] "GET /static/css/..staticimages%0Bg1.jpg HTTP/1.1" 404 -

172.17.0.1 - - [25/Nov/2022 03:05:32] "POST /login HTTP/1.1" 302 -

172.17.0.1 - - [25/Nov/2022 03:05:32] "GET /home HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:32] "GET /static/images/stock3.png HTTP/1.1" 200 -

172.17.0.1 - - [25/Nov/2022 03:05:32] "GET /static/images/hbg1.mp4 HTTP/1.1" 206 -

* Serving Flask app "app"

* Debug mode: on

Search

Copy

Close