

Containerise the App

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Microsoft Windows [Version 10.0.22000.1210]
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C:\Users\Ananthitha>cd C:\Users\Ananthitha\ibmproject\training\samplesession
C:\Users\Ananthitha\ibmproject\training\samplesession>code
C:\Users\Ananthitha\ibmproject\training\samplesession>py -m flask --app app.py run
 * Serving Flask app "app.py"
 * 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 http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [17/Nov/2022 18:25:42] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [17/Nov/2022 18:25:42] "GET /favicon.ico HTTP/1.1" 404 -

C:\Users\Ananthitha\ibmproject\training\samplesession>docker build -t kub8-samplesession .
[+] Building 3.9s (8/10)
=> [internal] load build definition from Dockerfile                                0.0s
=> transferring dockerfile: 100B                                                  0.0s
[internal] load .dockerignore                                                       0.0s
=> transferring context: 2B                                                       0.0s
[internal] load metadata for docker.io/library/python:3.10.6                     2.3s
[auth] library/python:pull token for registry-1.docker.io                         0.0s
[internal] load build definition from Dockerfile                                0.0s
=> transferring dockerfile: 100B                                                  0.0s
[internal] load .dockerignore                                                       0.0s
=> transferring context: 2B                                                       0.0s
[internal] load metadata for docker.io/library/python:3.10.6                     2.3s
[auth] library/python:pull token for registry-1.docker.io                         0.0s
[1/5] FROM docker.io/library/python:3.10.6@sha256:745efdfb7e4aac9a8422bd8c62d8bc35a693e8979a240d 0.0s
=> [internal] load build context                                                  0.0s
=> transferring context: 3.14kB                                                  0.0s
=> CACHED [2/5] WORKDIR /app                                                       0.0s
[2/5] COPY requirements.txt ./                                                    0.0s
[4/5] RUN pip install -r requirements.txt                                          0.0s
=> exporting to image                                                            0.1s
=> writing image sha256:b0d8f02cdaef22d8c4783702cd4ac2fc9cb7f444c336d54e67ced0e3cdc295 0.0s
=> naming to docker.io/library/kub8-samplesession                               0.0s

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

C:\Users\Ananthitha\ibmproject\training\samplesession>docker build -t kub8-samplesession .
[+] Building 2.2s (11/11) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> transferring dockerfile: 32B                                                  0.0s
[internal] load .dockerignore                                                       0.0s
=> transferring context: 2B                                                       0.0s
[internal] load metadata for docker.io/library/python:3.10.6                     2.4s
[auth] library/python:pull token for registry-1.docker.io                         0.0s
[internal] load build context                                                  0.0s
=> transferring context: 2.05kB                                                  0.0s
[1/5] FROM docker.io/library/python:3.10.6@sha256:745efdfb7e4aac9a8422bd8c62d8bc35a693e8979a240d 0.0s
=> CACHED [2/5] WORKDIR /app                                                       0.0s
=> CACHED [3/5] COPY requirements.txt ./                                           0.0s
=> CACHED [4/5] RUN pip install -r requirements.txt                               0.0s
=> [5/5] COPY . .                                                                  0.0s
=> exporting to image                                                            0.1s
=> writing image sha256:d36a23db97c09830dcd180ba58f7fb14d665437747fb83e5b3fd987e21d48 0.0s
=> naming to docker.io/library/kub8-samplesession                               0.0s

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

C:\Users\Ananthitha\ibmproject\training\samplesession>docker run -p 5000:5000 kub8-samplesession
 * Serving Flask app "app"
 * Debug mode: on
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://172.17.0.3:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 205-003-162
172.17.0.1 - - [17/Nov/2022 13:50:44] "GET / HTTP/1.1" 200 -

C:\Users\Ananthitha\ibmproject\training\samplesession>docker build -t kub8-samplesession .
[+] Building 2.6s (11/11) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> transferring dockerfile: 32B                                                  0.0s
[internal] load .dockerignore                                                       0.0s
=> transferring context: 2B                                                       0.0s
[internal] load metadata for docker.io/library/python:3.10.6                     2.4s
[auth] library/python:pull token for registry-1.docker.io                         0.0s
[internal] load build context                                                  0.0s
=> transferring context: 920B                                                    0.0s
[1/5] FROM docker.io/library/python:3.10.6@sha256:745efdfb7e4aac9a8422bd8c62d8bc35a693e8979a240d 0.0s
=> CACHED [2/5] WORKDIR /app                                                       0.0s
=> CACHED [3/5] COPY requirements.txt ./                                           0.0s
=> CACHED [4/5] RUN pip install -r requirements.txt                               0.0s
=> [5/5] COPY . .                                                                  0.0s
=> exporting to image                                                            0.1s
=> exporting layers                                                              0.0s
=> writing image sha256:87a0022bd98e75428fa00c2a673a972d6134b68d9dfb805010a72fd057bfd037 0.0s
=> naming to docker.io/library/kub8-samplesession                               0.0s

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

C:\Users\Ananthitha\ibmproject\training\samplesession>docker run -p 5000:5000 kub8-samplesession
 * Serving Flask app "app"
 * Debug mode: on
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://172.17.0.3:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 134-065-485
172.17.0.1 - - [17/Nov/2022 14:08:00] "GET / HTTP/1.1" 200 -

C:\Users\Ananthitha\ibmproject\training\samplesession>docker tag kub8-samplesession uk.icr.io/kub8-samplesession
C:\Users\Ananthitha\ibmproject\training\samplesession>ibmccloud cr login
FAILED
```