

Comp3104 Week11

Lab Exercise 09

Screenshots

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```
keiqu@KeiTop MINGW64 /C/Users/keiqu/comp3104-wk11/lab11-Docker (master)
$ docker build --tag=hellodocker .
#0 building with "desktop-linux" instance using docker driver

#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 545B 0.0s done
#1 DONE 0.1s

#2 [internal] load metadata for docker.io/library/python:2.7-slim
#2 ...

#3 [auth] library/python:pull token for registry-1.docker.io
#3 DONE 0.0s

#2 [internal] load metadata for docker.io/library/python:2.7-slim
#2 DONE 5.5s

#4 [internal] load .dockerignore
#4 transferring context: 2B 0.0s done
#4 DONE 0.1s

#5 [internal] load build context
#5 DONE 0.0s

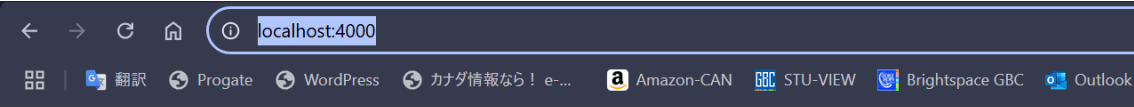
#6 [1/4] FROM docker.io/library/python:2.7-slim@sha256:6c1ffdf499e29ea663e6e67
9b6b9a3b401d554d2c9f061f9a45344e3992363
#6 resolve docker.io/library/python:2.7-slim@sha256:6c1ffdf499e29ea663e6e67c9b
b9a3b401d554d2c9f061f9a45344e3992363 0.0s done
#6 ...

#5 [internal] load build context
#5 transferring context: 1.53kB 0.0s done
#5 DONE 0.1s

#6 [1/4] FROM docker.io/library/python:2.7-slim@sha256:6c1ffdf499e29ea663e6e67
9b6b9a3b401d554d2c9f061f9a45344e3992363
#6 sha256:6c1ffdf499e29ea663e6e67c9b6b9a3b401d554d2c9f061f9a45344e3992363 1.86
B / 1.86kB done
#6 sha256:b68d40df862ac07e8955ea0fc0c5454cb4245b6165e79bc8ea2cc69170d9ba62 1.16
B / 1.16kB done
#6 sha256:eeb27ee6b89303f04a917e457eda70d032b1574ec80d0b4ea410d478a714538f 7.95
B / 7.95kB done
```

```
MINGW64:/C:/Users/keiqu/comp3104-wk11/lab11-Docker
<none> 628MB <none> 7bb3fc0aabf3 8 days ago
<none> 628MB <none> 07d18214b8f8 8 days ago
<none> 628MB <none> 485b09793f2c 8 days ago
<none> 629MB <none> 6c7c2a2e05c8 8 days ago
<none> 629MB <none> fee3193af8b8 8 days ago
gbc/room-service latest 44b04c4209ed 8 days ago
501MB <none> b3c801566385 8 days ago
<none> 629MB latest f4fb88250df5 8 days ago
assignment1-parent-user-service 558MB <none> 8529f38a157f 8 days ago
<none> 629MB <none> e946266996ff 8 days ago
<none> 629MB <none> 26e5b84fb508 8 days ago
<none> 493MB <none> 1a7ce85fb8dd 8 days ago
<none> 629MB <none> c47a4f8849d0 9 days ago
<none> 629MB <none> 465fcf1f5cbe 9 days ago
<none> 629MB <none> b67df83951ee 9 days ago
<none> 629MB <none> b381d2505c86 9 days ago
<none> 493MB <none> 5fb851bcb708 9 days ago
<none> 629MB latest 59ab366372d5 5 weeks ago
ubuntu 78.1MB latest f069d662544a 5 weeks ago
product-service 586MB latest d57ed788c154 7 weeks ago
postgres 434MB latest a67d330eef3b 8 weeks ago
dpag/pgadmin4 485MB latest 81a05b728352 2 months ago
mongo 782MB latest 870141b735e7 8 months ago
mongo-express 182MB 0.7.0 d2ed07d3edac 8 months ago
testcontainers/ryuk 15.2MB 24.0.1 5eeffc72205f 8 months ago
quay.io/keycloak/keycloak 458MB latest d2c94e258dcb 18 months ago
hello-world 13.3kB 6.11 90dc0b45a471 2 years ago
go 382MB 0.3.3 64f4b02dc986 3 years ago
dpag/pgadmin4 12MB

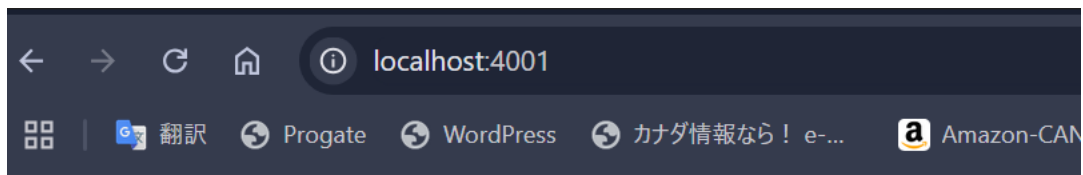
Keiqu@KeiTop MINGW64 /C:/Users/keiqu/comp3104-wk11/lab11-Docker (master)
$ docker run -p 4000:80 hellodocker
* Serving Flask app "app" (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: off
* Running on http://0.0.0.0:80/ (Press CTRL+C to quit)
172.17.0.1 - - [17/Nov/2024 18:37:33] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [17/Nov/2024 18:37:33] "GET /favicon.ico HTTP/1.1" 404 -
```



Hello World!

Hostname: a656052e5ec0

Visits: *cannot connect to Redis, counter disabled*



Hello World!

Hostname: 07fc39806636

Visits: *cannot connect to Redis, counter disabled*

```
keiqukei@top MINGW64 /C/Users/keiqu/comp3104-wk11/Tab11-Docker (master)
$ docker rm 7c6fec9632b7
7c6fec9632b7

keiqukei@top MINGW64 /C/Users/keiqu/comp3104-wk11/Tab11-Docker (master)
$ docker rm a656052e5ec0
a656052e5ec0

keiqukei@top MINGW64 /C/Users/keiqu/comp3104-wk11/Tab11-Docker (master)
$ docker ps -a
CONTAINER ID        IMAGE               COMMAND                  CREATED    STATUS    PORTS                               NAMES
475e9750777b       quay.io/keycloak/keycloak:24.0.1    "/opt/keycloak/bin/k..."  5 days ago    Exited (255) 47 minutes ago    0.0.0.0:8080->8080/tcp, 8443/tcp    keycloak
630eab875456       postgres           "docker-entrypoint.s..."  5 days ago    Exited (255) 47 minutes ago    0.0.0.0:5431->5432/tcp             postgres-keycloak
6a040cf9a60b       dpape/pgadmin4     "/entrypoint.sh"         7 days ago    Exited (0) 7 days ago          gbc_pgadmin
0b88c7ad47d9       gbc_eventbooking_group24-room-service "java -jar app.jar"      7 days ago    Exited (143) 7 days ago          gbc_room-service
dc3a5ba4ee4a       gbc_eventbooking_group24-event-service "java -jar app.jar"      7 days ago    Exited (143) 7 days ago          gbc_event-service
3b074737eeaa       gbc_eventbooking_group24-approval-service "java -jar app.jar"      7 days ago    Exited (143) 7 days ago          gbc_approval-service
4d6ffbb4e607       gbc_eventbooking_group24-user-service "java -jar app.jar"      7 days ago    Exited (143) 7 days ago          gbc_user-service
c77804d2ec18       mongo-express       "/sbin/tini -- /dock..." 7 days ago    Exited (143) 7 days ago          gbc_mongo-express
4d02d24335e1       gbc_eventbooking_group24-booking-service "java -jar app.jar"      7 days ago    Exited (143) 7 days ago          gbc_booking-service
b80e7bdd6d12       postgres:latest     "docker-entrypoint.s..." 7 days ago    Exited (0) 7 days ago          gbc_postgres-db
15f4a7f73939       mongo:latest        "docker-entrypoint.s..." 7 days ago    Exited (0) 7 days ago          gbc_mongodb
b60195e0797f       postgres:latest     "docker-entrypoint.s..." 8 days ago    Exited (128) 8 days ago          gbc_postgres
4bae0716077f       dpape/pgadmin4     "/entrypoint.sh"         8 days ago    Exited (0) 8 days ago          pgadmin
82fc2f66c01e       assignment1-parent-user-service "java -jar /app/user..." 8 days ago    Exited (143) 8 days ago          assignment1-parent-user-service-1
0f4d7665368e       postgres:latest     "docker-entrypoint.s..." 8 days ago    Exited (0) 8 days ago          postgres
b0cedee0dbd1b       ubuntu             "bash"                   10 days ago   Exited (0) 10 days ago          sad_diffie
0e4110c25c46       postgres           "docker-entrypoint.s..." 2 weeks ago   Exited (0) 2 weeks ago          postgres-inventory
32d97861df44       dpape/pgadmin4     "/entrypoint.sh"         2 weeks ago   Exited (0) 2 weeks ago          pgadmin-inventory
0c74dca38f79       postgres           "docker-entrypoint.s..." 2 weeks ago   Exited (255) 2 weeks ago          postgres-single
c17f9e549fc0       dpape/pgadmin4     "/entrypoint.sh"         2 weeks ago   Exited (137) 2 weeks ago          pgadmin-single
d4fa4183ade2       mongo-express       "/sbin/tini -- /dock..." 5 weeks ago   Exited (143) 2 weeks ago          mongo-express
50fde4fe989       product-service     "java -jar /app/prod..." 5 weeks ago   Exited (143) 2 weeks ago          product-service
f52d878e5819       mongo:latest        "docker-entrypoint.s..." 5 weeks ago   Exited (2) 2 weeks ago          mongodb
```

```
mongodb

keiqukei@top MINGW64 /C/Users/keiqu/comp3104-wk11/Tab11-Docker (master)
$ docker container stop 07fc39806636
07fc39806636

keiqukei@top MINGW64 /C/Users/keiqu/comp3104-wk11/Tab11-Docker (master)
$ docker container stop 7c6fec9632b7
7c6fec9632b7

keiqukei@top MINGW64 /C/Users/keiqu/comp3104-wk11/Tab11-Docker (master)
$ docker ps -a
CONTAINER ID        IMAGE               COMMAND                  CREATED    STATUS    PORTS                               NAMES
07fc39806636       postgres           "python app.py"          8 minutes ago    Exited (137) 2 minutes ago          postgres-inventory
7c6fec9632b7       hellodocker        "python app.py"          9 minutes ago    Exited (137) 48 seconds ago         unruffled_aryabhata
a856052e5ec0       hellodocker        "python app.py"          15 minutes ago   Exited (0) 12 minutes ago          elegant_kalam
475e9750777b       quay.io/keycloak/keycloak:24.0.1    "/opt/keycloak/bin/k..."  5 days ago    Exited (255) 45 minutes ago    0.0.0.0:8080->8080/tcp, 8443/tcp    keycloak
630eab875456       postgres           "docker-entrypoint.s..."  5 days ago    Exited (255) 45 minutes ago          postgres-keycloak
6a040cf9a60b       dpape/pgadmin4     "/entrypoint.sh"         7 days ago    Exited (0) 7 days ago          gbc_pgadmin
0b88c7ad47d9       gbc_eventbooking_group24-room-service "java -jar app.jar"      7 days ago    Exited (143) 7 days ago          gbc_room-service
dc3a5ba4ee4a       gbc_eventbooking_group24-event-service "java -jar app.jar"      7 days ago    Exited (143) 7 days ago          gbc_event-service
3b074737eeaa       gbc_eventbooking_group24-approval-service "java -jar app.jar"      7 days ago    Exited (143) 7 days ago          gbc_approval-service
4d6ffbb4e607       gbc_eventbooking_group24-user-service "java -jar app.jar"      7 days ago    Exited (143) 7 days ago          gbc_user-service
c77804d2ec18       mongo-express       "/sbin/tini -- /dock..." 7 days ago    Exited (143) 7 days ago          gbc_mongo-express
4d02d24335e1       gbc_eventbooking_group24-booking-service "java -jar app.jar"      7 days ago    Exited (143) 7 days ago          gbc_booking-service
b80e7bdd6d12       postgres:latest     "docker-entrypoint.s..." 7 days ago    Exited (0) 7 days ago          gbc_postgres-db
15f4a7f73939       mongo:latest        "docker-entrypoint.s..." 7 days ago    Exited (143) 7 days ago          gbc_mongodb
b60195e0797f       postgres:latest     "docker-entrypoint.s..." 8 days ago    Exited (128) 8 days ago          gbc_postgres
4bae0716077f       dpape/pgadmin4     "/entrypoint.sh"         8 days ago    Exited (0) 8 days ago          pgadmin
82fc2f66c01e       assignment1-parent-user-service "java -jar /app/user..." 8 days ago    Exited (143) 8 days ago          assignment1-parent-user-service-1
0f4d7665368e       postgres:latest     "docker-entrypoint.s..." 8 days ago    Exited (0) 8 days ago          postgres
b0cedee0dbd1b       ubuntu             "bash"                   10 days ago   Exited (0) 10 days ago          sad_diffie
0e4110c25c46       postgres           "docker-entrypoint.s..." 2 weeks ago   Exited (0) 2 weeks ago          postgres-inventory
32d97861df44       dpape/pgadmin4     "/entrypoint.sh"         2 weeks ago   Exited (0) 2 weeks ago          pgadmin-inventory
0c74dca38f79       postgres           "docker-entrypoint.s..." 2 weeks ago   Exited (255) 2 weeks ago          postgres-single
c17f9e549fc0       dpape/pgadmin4     "/entrypoint.sh"         2 weeks ago   Exited (137) 2 weeks ago          pgadmin-single
d4fa4183ade2       mongo-express       "/sbin/tini -- /dock..." 5 weeks ago   Exited (143) 2 weeks ago          mongo-express
50fde4fe989       product-service     "java -jar /app/prod..." 5 weeks ago   Exited (143) 2 weeks ago          product-service
f52d878e5819       mongo:latest        "docker-entrypoint.s..." 5 weeks ago   Exited (2) 2 weeks ago          mongodb
```