Cloud computing lab week 5 : Docker

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Task-1

Task-2

Task-3

My SRN is PES1201800177>

I am running a nginx container!


```
ubuntu@ip-172-31-73-230:~/html$ docker run -p 80:80 my_first_image
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perfo
rm configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-defau
lt.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d
/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf
.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.s
h
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.s
h
/docker-entrypoint.sh: Configuration complete; ready for start up
49.37.172.22 - - [18/Feb/2021:17:20:45 +0000] "GET /my.html HTTP/1.1" 200 111 "-
" "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome
```

```
ubuntu@ip-172-31-73-230:~/mongo$ docker run task2
Inserted into the MongoDB database!
Fecthed from MongoDB:  {'_id': ObjectId('602ea75eacfb8f555c14ae79'), 'Name:': '<
YOUR NAME HERE>', 'SRN': '<YOUR SRN HERE>'}
ubuntu@ip-172-31-73-230:~/mongo$ |
```

```
ubuntu@ip-172-31-73-230:~/mongo$ docker run -dp 27017:27017 --name mongodb --network=my-bridge-network mongo
2088f9b346a8a65a5bf7dbc58fe826d764ee75be399d1cf53ac3a535816160de
ubuntu@ip-172-31-73-230:~/mongo$ docker ps
CONTAINER ID   IMAGE     COMMAND                CREATED         STATUS        PORTS                      NAMES
2088f9b346a8   mongo     "docker-entrypoint.s…"  9 seconds ago   Up 8 seconds  0.0.0.0:27017->27017/tcp   mongodb
```

```
ubuntu@ip-172-31-73-230:~/mongo$ docker run --network=my-bridge-network task2
Inserted into the MongoDB database!
Fecthed from MongoDB:  {'_id': ObjectId('602ea936264d6c68a2e84bfb'), 'Name:': '<YOUR NAME HERE>', 'SRN': '<YOUR SRN HERE
>'}
```

Task -4

mongodb_1 | {"t":{"$date":"2021-02-18T18:04:25.552+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listene
g":"Connection accepted","attr":{"remote":"172.20.0.3:54684","connectionId":3,"connectionCount":3}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:04:25.553+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn2",
"client metadata","attr":{"remote":"172.20.0.3:54682","client":"conn2","doc":{"driver":{"name":"PyMongo","version"
.3"},"os":{"type":"Linux","name":"Linux","architecture":"x86_64","version":"5.4.0-1037-aws"},"platform":"CPython 3
inal.0"}}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:04:25.553+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn3",
"client metadata","attr":{"remote":"172.20.0.3:54684","client":"conn3","doc":{"driver":{"name":"PyMongo","version"
.3"},"os":{"type":"Linux","name":"Linux","architecture":"x86_64","version":"5.4.0-1037-aws"},"platform":"CPython 3
inal.0"}}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:04:25.554+00:00"},"s":"I", "c":"STORAGE", "id":20320, "ctx":"conn2",
"createCollection","attr":{"namespace":"sample_db.sample_collection","uuidDisposition":"generated","uuid":{"uuid":
d":"e3d2b1c7-10a5-45ed-a669-526af737f2c7"}},"options":{}}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:04:25.570+00:00"},"s":"I", "c":"INDEX",   "id":20345, "ctx":"conn2",
"Index build: done building","attr":{"buildUUID":null,"namespace":"sample_db.sample_collection","index":"_id_","co
mestamp":{"$timestamp":{"t":0,"i":0}}}}
pycode_1 | Inserted into the MongoDB database!
pycode_1 | Fecthed from MongoDB: None
mongodb_1 | {"t":{"$date":"2021-02-18T18:04:26.054+00:00"},"s":"I", "c":"-",   "id":20883, "ctx":"conn1",
"Interrupted operation as its client disconnected","attr":{"opId":20}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:04:26.055+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn1",
"Connection ended","attr":{"remote":"172.20.0.3:54680","connectionId":1,"connectionCount":2}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:04:26.059+00:00"},"s":"I", "c":"NETWORK", "id":22944,   "ctx":"conn2",

,"doc":{"driver":{"name":"PyMongo","version":"3.11.3"},"os":{"type":"Linux","name":"Linux","architecture":"x86_64","version":"5.4.0-1037-aws"},"platform
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.364+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn2","msg":"client metadata","attr":{"remot
,"doc":{"driver":{"name":"PyMongo","version":"3.11.3"},"os":{"type":"Linux","name":"Linux","architecture":"x86_64","version":"5.4.0-1037-aws"},"platform
pycode_1 | Inserted into the MongoDB database!
pycode_1 | Fecthed from MongoDB: None
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.515+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Connection accepted","attr":
onId":4,"connectionCount":4}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.516+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn4","msg":"client metadata","attr":{"remot
,"doc":{"driver":{"name":"PyMongo","version":"3.11.3"},"os":{"type":"Linux","name":"Linux","architecture":"x86_64","version":"5.4.0-1037-aws"},"platform
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.518+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Connection accepted","attr":
onId":5,"connectionCount":5}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.518+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn5","msg":"client metadata","attr":{"remot
,"doc":{"driver":{"name":"PyMongo","version":"3.11.3"},"os":{"type":"Linux","name":"Linux","architecture":"x86_64","version":"5.4.0-1037-aws"},"platform
pycode_2 | Inserted into the MongoDB database!
pycode_2 | Fecthed from MongoDB: None
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.568+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Connection accepted","attr":
onId":6,"connectionCount":6}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.568+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn6","msg":"client metadata","attr":{"remot
,"doc":{"driver":{"name":"PyMongo","version":"3.11.3"},"os":{"type":"Linux","name":"Linux","architecture":"x86_64","version":"5.4.0-1037-aws"},"platform
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.570+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Connection accepted","attr":
onId":7,"connectionCount":7}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.571+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn7","msg":"client metadata","attr":{"remot
,"doc":{"driver":{"name":"PyMongo","version":"3.11.3"},"os":{"type":"Linux","name":"Linux","architecture":"x86_64","version":"5.4.0-1037-aws"},"platform
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.571+00:00"},"s":"I", "c":"NETWORK", "id":22943, "ctx":"listener","msg":"Connection accepted","attr":
onId":8,"connectionCount":8}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.572+00:00"},"s":"I", "c":"NETWORK", "id":51800, "ctx":"conn8","msg":"client metadata","attr":{"remot
,"doc":{"driver":{"name":"PyMongo","version":"3.11.3"},"os":{"type":"Linux","name":"Linux","architecture":"x86_64","version":"5.4.0-1037-aws"},"platform
pycode_3 | Inserted into the MongoDB database!
pycode_3 | Fecthed from MongoDB: None
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.861+00:00"},"s":"I", "c":"-",   "id":20883, "ctx":"conn1","msg":"Interrupted operation as its cl
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.862+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn1","msg":"Connection ended","attr":{"remo
1,"connectionCount":7}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.869+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn3","msg":"Connection ended","attr":{"remo
3,"connectionCount":6}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:32.869+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn2","msg":"Connection ended","attr":{"remo
2,"connectionCount":5}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:33.018+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn5","msg":"Connection ended","attr":{"remo
5,"connectionCount":4}}
mongodb_1 | {"t":{"$date":"2021-02-18T18:06:33.019+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn4","msg":"Connection ended","attr":{"remo
4,"connectionCount":3}}