

Vansh Gupta-21ucs227

Issues in docker-compose.yaml:

- Port should be numeric eg- "80:80" instead of "eighty:80".
- /conf instead of /confi.
- Missing build configurations in both nginx and python-app.
- No need for an explicit version.(as per logs)
- Options configuration outdated and not allowed.(as per logs)

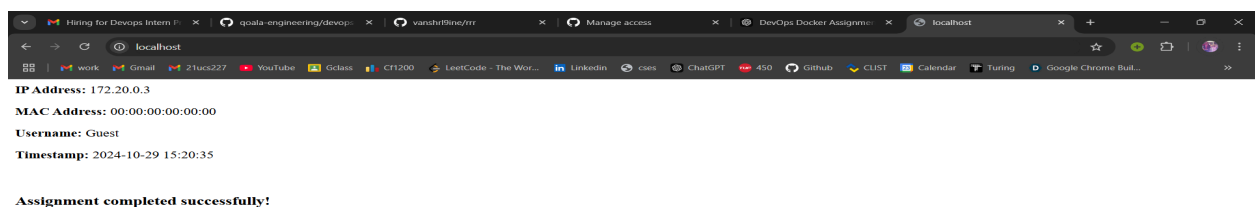
Issues in nginx folder:

- Need for html directory for storing static pages.Created an empty index.html as well.Debugging steps-> At first created html folder in root and edited path in nginx.conf but didn't work then tried this and it worked.
- Issues in nginx DockerFile:-latest instead of latests, nginx/nginx, html/html, eighty/80, "daemon off;"/"daemon of;"
- Issues in nginx.conf:-worker processes/worker process, worker_connections/worker_connection,types/typess
- DockerFile and conf file issues were easy to solve as they were intentional typos.

Issues in Python folder:

- app.py didn't have any erros and even if they had I have considered it to be your logic.
- In DockerFile, app/appy, netifaces/netiface, 8000/eight thousand

Overall,I didn't encounter many issues in docker setup and workflow as I had just worked on a mini project on docker last week(also tried github actions).I faced some permission issues while setting up aws instance which I resolved using StackOverflow.

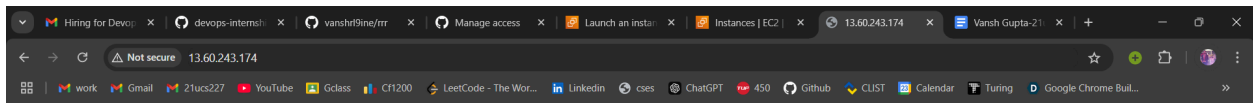


```

PS C:\Users\Vansh\devops-goala-assignment-VanshGupta-21ucs227> docker-compose logs
python_app | * Serving Flask app 'app'
python_app | * Debug mode: off
python_app | WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
python_app | * Running on all addresses (0.0.0.0)
python_app | * Running on http://127.0.0.1:8000
python_app | * Running on http://172.20.0.2:8000
python_app | Press CTRL+C to quit
python_app | 172.20.0.3 - - [29/Oct/2024 15:20:35] "GET / HTTP/1.0" 200 -
python_app | 172.20.0.3 - - [29/Oct/2024 15:20:35] "GET /favicon.ico HTTP/1.0" 404 -
nginx-1 | /docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
nginx-1 | /docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
nginx-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
nginx-1 | 10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
nginx-1 | 10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
nginx-1 | /docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
nginx-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
nginx-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
nginx-1 | /docker-entrypoint.sh: Configuration complete; ready for start up
nginx-1 | 172.20.0.1 - - [29/Oct/2024:15:20:35 +0000] "GET / HTTP/1.1" 200 305 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like
gecko) Chrome/130.0.0.0 Safari/537.36"
nginx-1 | 172.20.0.1 - - [29/Oct/2024:15:20:35 +0000] "GET /favicon.ico HTTP/1.1" 404 207 "http://localhost/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) Appl
eWebKit/537.36 (KHTML, like Gecko) Chrome/130.0.0.0 Safari/537.36"
PS C:\Users\Vansh\devops-goala-assignment-VanshGupta-21ucs227>

```

<http://13.60.243.174/> (use http instead of https)



IP Address: 172.18.0.2

MAC Address: 00:00:00:00:00:00

Username: Guest

Timestamp: 2024-10-29 17:26:50

Assignment completed successfully!

Docker logs in instance:

```
ec2-user@ip-172-31-40-58:~/    
./n/
Last login: Tue Oct 29 16:58:10 2024 from 49.36.180.57
[ec2-user@ip-172-31-40-58 ~]$ docker compose logs
docker: 'compose' is not a docker command.
See 'docker --help'
[ec2-user@ip-172-31-40-58 ~]$ docker-compose logs
no configuration file provided: not found
[ec2-user@ip-172-31-40-58 ~]$ ls
my-docker-app
[ec2-user@ip-172-31-40-58 ~]$ cd my-docker-app
[ec2-user@ip-172-31-40-58 my-docker-app]$ docker-compose logs
nginx-x-1 | /docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
nginx-x-1 | /docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
nginx-x-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
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nginx-x-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
nginx-x-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
nginx-x-1 | /docker-entrypoint.sh: Configuration complete; ready for start up
nginx-x-1 | 152.42.219.47 -- [29/Oct/2024:17:03:10 +0000] "GET /cdn-cgi/trace HTTP/1.1" 404 207 "-" "Mozilla/5.0"
nginx-x-1 | 152.42.219.47 -- [29/Oct/2024:17:03:18 +0000] "\x16\x03\x01\x01\x08\x01\x00\x01\x07\x03\x03\x8c\xC6c\xE4K\xB2\xF1\x1C0\xFE\xEF\xA0\xC8\xAA*\xF0\x80\x92V\xB1\xB5\xA1\xE4\xC3\xC10\x83\x89\x88\x1\x12 %((u\xAEL\xB9-$\xE7m\xE9I\xB9\x875\xF5\xF5\x0B\xC6\xB7\xE8\xB80\x824\x0B\x88\x89\xAD\x0C\x90\x806\xC0+\xC0/\xC0\xC00\xCC\xA9\xCC\xA8\xC0\x89\xC0\x13\xC0" 400 157 "-" "-"
nginx-x-1 | 49.36.180.57 -- [29/Oct/2024:17:04:50 +0000] "GET / HTTP/1.1" 200 305 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/130.0.0.0 Safari/537.36"
nginx-x-1 | 49.36.180.57 -- [29/Oct/2024:17:04:51 +0000] "GET /favicon.ico HTTP/1.1" 404 207 "http://13.60.243.174/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/130.0.0.0 Safari/537.36"
nginx-x-1 | 209.38.136.74 -- [29/Oct/2024:17:06:28 +0000] "\x00\x0E8\x1D2\x84$\xE5\xC7\xB5$\x00\x00\x00\x00" 400 157 "-" "-"
nginx-x-1 | 49.36.180.57 -- [29/Oct/2024:17:07:42 +0000] "GET / HTTP/1.1" 200 305 "-" "Mozilla/5.0 (Linux; Android 10; K) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/130.0.0.0 Mobile Safari/537.36"
nginx-x-1 | 49.36.180.57 -- [29/Oct/2024:17:07:42 +0000] "GET /favicon.ico HTTP/1.1" 404 207 "http://13.60.243.174/" "Mozilla/5.0 (Linux; Android 10; K) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/130.0.0.0 Mobile Safari/537.36"
nginx-x-1 | 49.36.180.57 -- [29/Oct/2024:17:26:50 +0000] "GET / HTTP/1.1" 200 305 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/130.0.0.0 Safari/537.36"
nginx-x-1 | 45.156.128.45 -- [29/Oct/2024:17:44:44 +0000] "GET / HTTP/1.1" 200 305 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3112.113 Safari/537.36"
nginx-1 | 49.36.180.57 -- [29/Oct/2024:17:54:17 +0000] "GET / HTTP/1.1" 200 305 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/130.0.0.0 Safari/537.36"
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python_app | * Running on http://172.18.0.3:8000
python_app | Press CTRL+C to quit
python_app | 172.18.0.2 -- [29/Oct/2024:17:03:10] "GET /cdn-cgi/trace HTTP/1.0" 404 -
python_app | 172.18.0.2 -- [29/Oct/2024:17:04:50] "GET / HTTP/1.0" 200 -
python_app | 172.18.0.2 -- [29/Oct/2024:17:04:51] "GET /favicon.ico HTTP/1.0" 404 -
python_app | 172.18.0.2 -- [29/Oct/2024:17:07:42] "GET / HTTP/1.0" 200 -
python_app | 172.18.0.2 -- [29/Oct/2024:17:07:42] "GET /favicon.ico HTTP/1.0" 404 -
python_app | 172.18.0.2 -- [29/Oct/2024:17:26:50] "GET / HTTP/1.0" 200 -
python_app | 172.18.0.2 -- [29/Oct/2024:17:44:44] "GET / HTTP/1.0" 200 -
[ec2-user@ip-172-31-40-58 my-docker-app]$
[ec2-user@ip-172-31-40-58 my-docker-app]$
```

Only nginx logs-

```
ec2-user@ip-172-31-40-58:~/    
./n/
Last login: Tue Oct 29 16:58:36 2024 from 49.36.180.57
[ec2-user@ip-172-31-40-58 ~]$ ls
my-docker-app
[ec2-user@ip-172-31-40-58 ~]$ cd my-docker-app
[ec2-user@ip-172-31-40-58 my-docker-app]$ docker-compose logs nginx
nginx-x-1 | /docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
nginx-x-1 | /docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
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nginx-x-1 | 209.38.136.74 -- [29/Oct/2024:17:06:28 +0000] "\x00\x0E8\x1D2\x84$\xE5\xC7\xB5$\x00\x00\x00\x00" 400 157 "-" "-"
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nginx-x-1 | 45.156.128.45 -- [29/Oct/2024:17:44:44 +0000] "GET / HTTP/1.1" 200 305 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3112.113 Safari/537.36"
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[ec2-user@ip-172-31-40-58 my-docker-app]$
```