

2.

Gunicorn

- Dump access log in a file in non-default pattern.
- Dump error log in a file.

Answer:

In order to store access log and error log in a file, we use following commands;

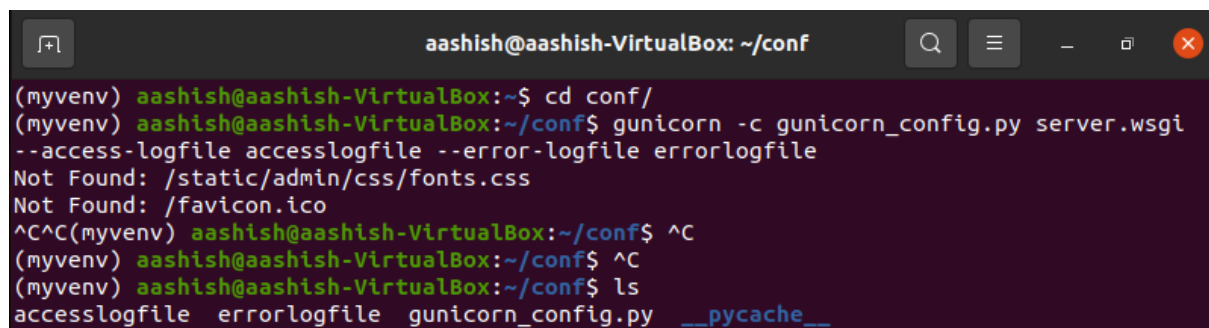
```
- gunicorn -c gunicorn_config.py server.wsgi --access-log accesslogfile  
--error-log errorlogfile
```

where;

--access-log accesslogfile command stores the access logs in the file **accesslogfile**

--error-log errorlogfile command stores the error logs in the file **errorlogfile**

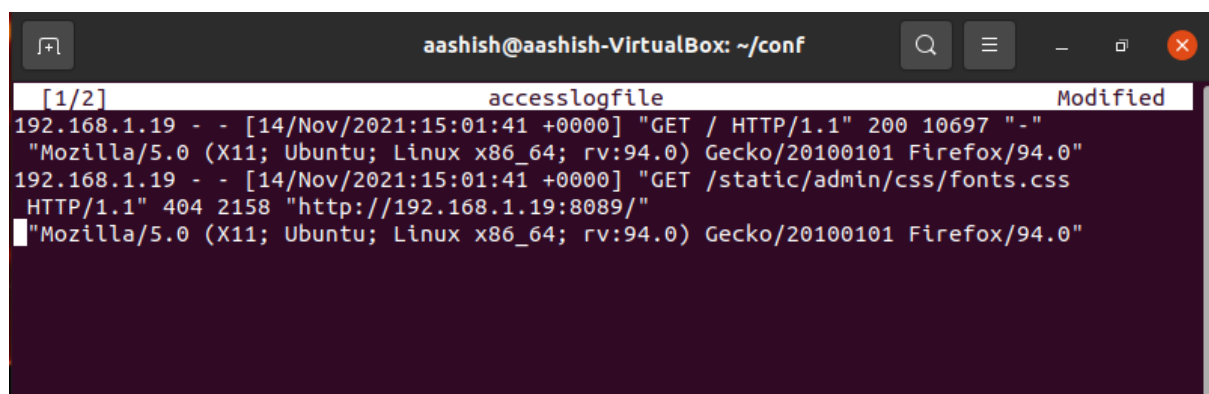
Using the above command the log files i.e. **accesslogfile** and **errorlogfile** are created.



```
aashish@aashish-VirtualBox: ~/conf  
(myvenv) aashish@aashish-VirtualBox:~$ cd conf/  
(myvenv) aashish@aashish-VirtualBox:~/conf$ gunicorn -c gunicorn_config.py server.wsgi  
--access-logfile accesslogfile --error-logfile errorlogfile  
Not Found: /static/admin/css/fonts.css  
Not Found: /favicon.ico  
^C^C(myvenv) aashish@aashish-VirtualBox:~/conf$ ^C  
(myvenv) aashish@aashish-VirtualBox:~/conf$ ^C  
(myvenv) aashish@aashish-VirtualBox:~/conf$ ls  
accesslogfile errorlogfile gunicorn_config.py __pycache__
```

We can see the logs using following command;

```
- nano accesslogfile  
- nano errorlogfile
```



```
aashish@aashish-VirtualBox: ~/conf  
[1/2] accesslogfile Modified  
192.168.1.19 - - [14/Nov/2021:15:01:41 +0000] "GET / HTTP/1.1" 200 10697 "-"  
"Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:94.0) Gecko/20100101 Firefox/94.0"  
192.168.1.19 - - [14/Nov/2021:15:01:41 +0000] "GET /static/admin/css/fonts.css  
HTTP/1.1" 404 2158 "http://192.168.1.19:8089/"  
"Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:94.0) Gecko/20100101 Firefox/94.0"
```

Fig - accesslogfile

```
aashish@aashish-VirtualBox: ~/conf
GNU nano 4.8 errorlogfile
[2021-11-14 20:26:44 +0545] [2420] [ERROR] Retrying in 1 second.
[2021-11-14 20:26:45 +0545] [2420] [ERROR] Invalid address: ('192.168.1.19', 8089)
[2021-11-14 20:26:45 +0545] [2420] [ERROR] Retrying in 1 second.
[2021-11-14 20:26:46 +0545] [2420] [ERROR] Invalid address: ('192.168.1.19', 8089)
[2021-11-14 20:26:46 +0545] [2420] [ERROR] Retrying in 1 second.
[2021-11-14 20:26:47 +0545] [2420] [ERROR] Invalid address: ('192.168.1.19', 8089)
[2021-11-14 20:26:47 +0545] [2420] [ERROR] Retrying in 1 second.
[2021-11-14 20:26:48 +0545] [2420] [ERROR] Invalid address: ('192.168.1.19', 8089)
[2021-11-14 20:26:48 +0545] [2420] [ERROR] Retrying in 1 second.
[2021-11-14 20:26:49 +0545] [2420] [ERROR] Can't connect to ('192.168.1.19', 8089)
[2021-11-14 20:46:15 +0545] [2303] [INFO] Starting gunicorn 20.1.0
[2021-11-14 20:46:15 +0545] [2303] [INFO] Listening at: http://192.168.1.19:8089 (2303)
[2021-11-14 20:46:15 +0545] [2303] [INFO] Using worker: sync
[2021-11-14 20:46:15 +0545] [2305] [INFO] Booting worker with pid: 2305
[2021-11-14 20:46:15 +0545] [2306] [INFO] Booting worker with pid: 2306
[2021-11-14 20:46:15 +0545] [2307] [INFO] Booting worker with pid: 2307
[2021-11-14 20:47:10 +0545] [2303] [INFO] Handling signal: int
[2021-11-14 15:02:10 +0000] [2305] [INFO] Worker exiting (pid: 2305)
[2021-11-14 15:02:10 +0000] [2306] [INFO] Worker exiting (pid: 2306)
[2021-11-14 15:02:10 +0000] [2307] [INFO] Worker exiting (pid: 2307)
[2021-11-14 20:47:10 +0545] [2303] [WARNING] Worker with pid 2307 was terminated due to
[2021-11-14 20:47:10 +0545] [2303] [WARNING] Worker with pid 2305 was terminated due to
[2021-11-14 20:47:10 +0545] [2303] [WARNING] Worker with pid 2306 was terminated due to
[2021-11-14 20:47:10 +0545] [2303] [INFO] Shutting down: Master
```

Fig - errorlogfile

Thank You