**Task: DevOps - Create a Docker image with a simple web**

**Application (HAJAR ADADI)**

1. **Run the container and test:**
   * 1. **A screen shot of a computer

        Description automatically generatedA screenshot of a computer screen

        Description automatically generatedWeb browser screenshot:**
     2. **Test a https URL of the web application 10 000 times, with 10 concurrent connections.**

**I performed this request using ApacheBench Command (ab) with 3 parameters:**

**-n 10000 <= number of total requests**

**-c 10 <= concurrent connections**

[**https://localhost/**](https://localhost/) **<= URL**

**note : to save the stdout of the ab command, I redirect it to a file called output.**

**The important metrics are written with red.**

**“””**

**This is ApacheBench, Version 2.3 <$Revision: 1843412 $>**

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**Benchmarking localhost (be patient)**

**Server Software: Apache/2.4.6**

**Server Hostname: localhost**

**Server Port: 443**

**SSL/TLS Protocol: TLSv1.2,ECDHE-RSA-AES256-GCM-SHA384,2048,256**

**Server Temp Key: ECDH P-256 256 bits**

**TLS Server Name: localhost**

**Document Path: /**

**Document Length: 760 bytes**

**Concurrency Level: 10**

**Time taken for tests: 50.599 seconds**

**Complete requests: 10000**

**Failed requests: 0**

**Total transferred: 10160000 bytes**

**HTML transferred: 7600000 bytes**

**Requests per second: 197.63 [#/sec] (mean)**

**Time per request: 50.599 [ms] (mean)**

**Time per request: 5.060 [ms] (mean, across all concurrent requests)**

**Transfer rate: 196.09 [Kbytes/sec] received**

**Connection Times (ms)**

**min mean[+/-sd] median max**

**Connect: 13 35 13.0 35 201**

**Processing: 2 15 12.3 13 184**

**Waiting: 1 13 11.2 10 179**

**Total: 19 50 17.6 45 240**

**Percentage of the requests served within a certain time (ms)**

**50% 45**

**66% 50**

**75% 54**

**80% 58**

**90% 69**

**95% 77**

**98% 83**

**99% 148**

**100% 240 (longest request)**

**“””**

1. **Document the weaknesses of your Dockerfile.**

**As we request a lot the container, apache log file growth for each request which is not comfortable in production, the solution is to create a volume to manage the log file following an internal policies.**