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Name	Embedded Credentials
URL	https://www.attackdefense.com/challengedetails?cid=1034
Туре	DevSecOps : Docker Insecure Images

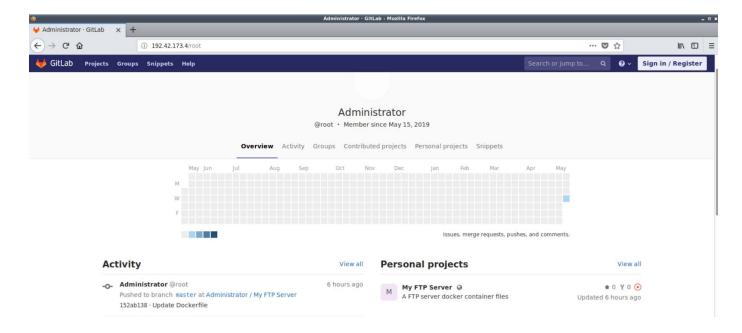
Important Note: This document illustrates all the important steps required to complete this lab. This is by no means a comprehensive step-by-step solution for this exercise. This is only provided as a reference to various commands needed to complete this exercise and for your further research on this topic.

Step 1: Run an nmap scan against first two hosts.

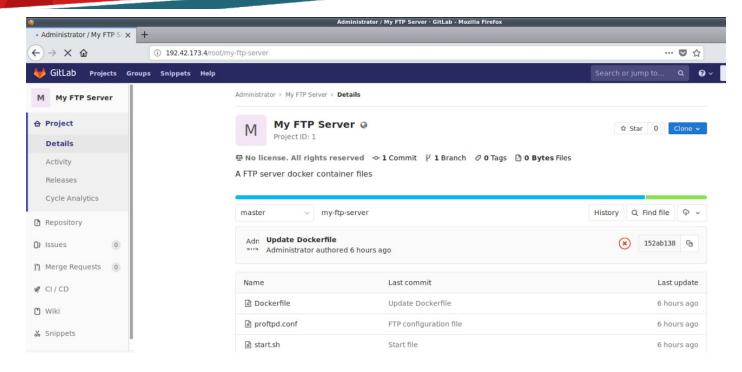
Command: nmap -p- -sC 192.42.173.3-4

```
root@attackdefense:~# nmap -p- -sC 192.42.173.3-4
Starting Nmap 7.70 ( https://nmap.org ) at 2019-05-16 00:27 IST
Nmap scan report for ktppdgwu2rmpxe8xgynvbc8f8.temp-network a-42-173 (192.42.173.3)
Host is up (0.000027s latency).
Not shown: 65534 closed ports
PORT STATE SERVICE
21/tcp open ftp
MAC Address: 02:42:C0:2A:AD:03 (Unknown)
Nmap scan report for ldaqpixjasy7fkpeisoce7z9c.temp-network a-42-173 (192.42.173.4)
Host is up (0.000028s latency).
Not shown: 65532 closed ports
PORT
        STATE SERVICE
         open ssh
22/tcp
 ssh-hostkey:
    2048 25:2b:7a:11:1f:b9:33:c5:60:2b:fe:78:80:1a:1a:0c (RSA)
    256 bc:f2:15:e4:b7:73:8e:1e:a6:f6:5d:56:1e:78:a1:2e (ECDSA)
    256 bd:ae:25:4c:3b:d6:e3:c3:87:61:b2:3b:fd:d1:e5:64 (ED25519)
80/tcp
         open http
 http-robots.txt: 55 disallowed entries (15 shown)
 / /autocomplete/users /search /api /admin /profile
 /dashboard /projects/new /groups/new /groups/*/edit /users /help
 /s/ /snippets/new /snippets/*/edit
```

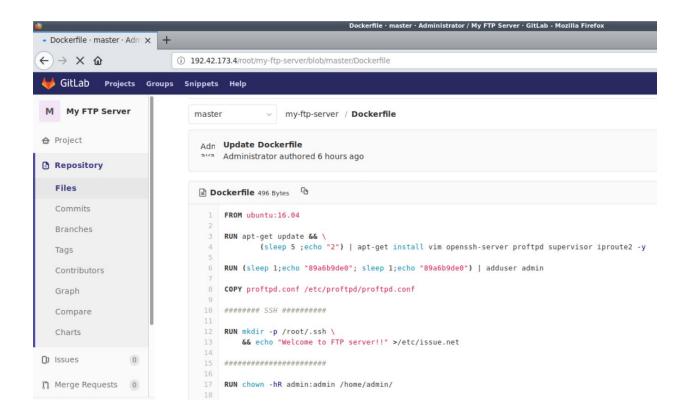
Step 2: Open the web browser and navigate to the IP address of the machine which is running HTTP service (192.42.173.4). Check Administrator's profile.



Step 3: Administrator has a personal project listed on his page. Open that project.



Step 4: Open the Dockerfile.



Commands: ftp 192.42.173.3 Ls -I get flag.txt

```
root@attackdefense:~#
root@attackdefense:~# ftp 192.42.173.3
Connected to 192.42.173.3.
220 ProFTPD 1.3.5a Server (AttackDefense-FTP) [::ffff:192.42.173.3]
Name (192.42.173.3:root): admin
331 Password required for admin
Password:
230 User admin logged in
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls -l
200 PORT command successful
150 Opening ASCII mode data connection for file list
-rw-r--r-- 1 admin
                        admin
                                       33 May 15 12:16 flag.txt
226 Transfer complete
ftp> get flag.txt
local: flag.txt remote: flag.txt
200 PORT command successful
150 Opening BINARY mode data connection for flag.txt (33 bytes)
226 Transfer complete
33 bytes received in 0.00 secs (370.4203 kB/s)
ftp> exit
221 Goodbye.
root@attackdefense:~#
root@attackdefense:~# cat flag.txt
2be75f2b40ee0f5f7332af71e839d5a0
root@attackdefense:~#
```

Flag: 2be75f2b40ee0f5f7332af71e839d5a0

References:

- 1. Docker (https://www.docker.com/)
- 2. Gitlab (https://gitlab.com/gitlab-org)
- 3. Omnibus Gitlab on Glthub (https://github.com/gitlabhq/omnibus-gitlab)