

Platform	НТВ	
 	@July 9, 2022	
Operating System	Web-CTF	
≡ Tags	ngnix web-app	

General-Information

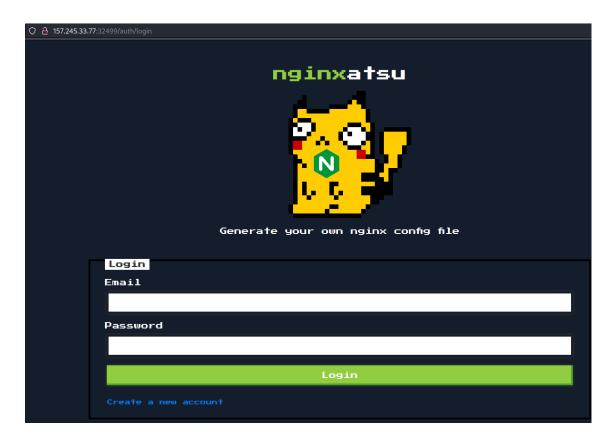
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 - Website
 - Admin password cracked
 - Information Learned
- **▼** Passwords
 - Site administrator nginxatsu-adm-01@makelarid.es : adminadmin1
- **▼** Challenge Description
 - Can you find a way to login as the administrator of the website and free ngnixatsu?

Summary

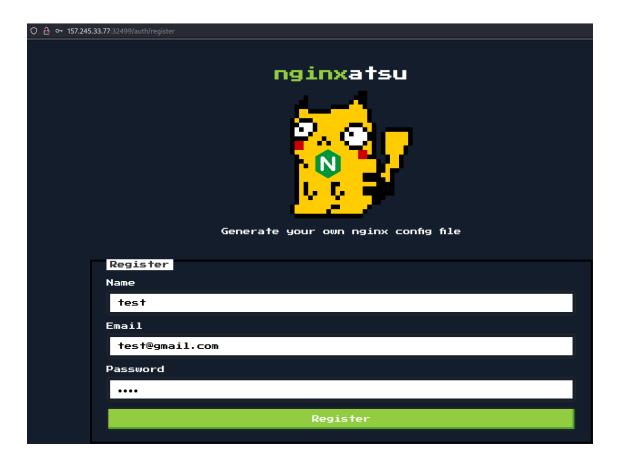
 Ngnix website left a database file easily accessible and from there the administrator password can be cracked to login as them and view challenge's flag.

Website

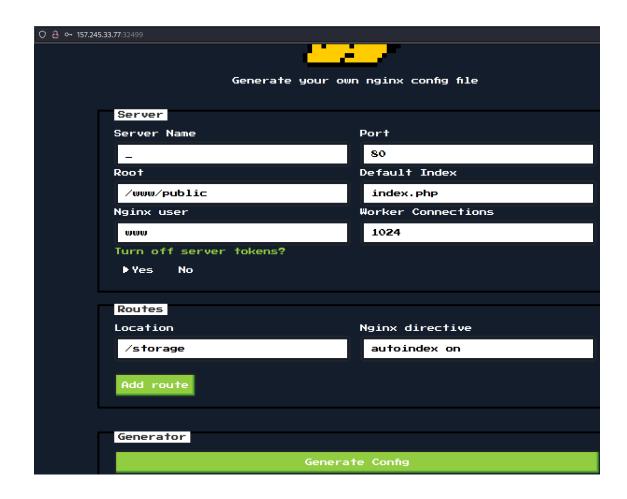
- ▼ After starting the challenge up, I went to the IP address and was presented with a login page. I had no credentials for this site and no SQLi strings seemed to be popping. So, I went to create an account.
 - **▼** Login portal



▼ Registering my own user



- ▼ Upon logging in as my user test, I see that I can create my own ngnix files. However, this doesn't matter in a sense. The /storage directory is open for auto-indexing and this is made to be an apparent misconfiguration via a comment left behind in the
 - ▼ Creating custom ngnix config files



▼ Comment talking about the /storage misconfiguration

```
server {
    listen 80;
    server_name first;

    index index.php;
    root /www/public;

# We sure hope so that we don't spill any secrets
# within the open directory on /storage

location /storage {
        autoindex on;
    }

location /uploads {
        return 404;;
    }
```

Admin password cracked

- ▼ I navigated to /storage/ and saw at the bottom a tar file called database, which when unzipped revealed a SQL file with the admin username and password
 - ▼ /storage/ directory

← → C G	46.101./8.118:31030/storage/	
Index of /stor	age/	
<u></u> /		
nginx_62c8dcc06f8b1.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc0707af.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc070b2c.conf ginx_62c8dcc070e7c.conf	09-Jul-2022 01:41 09-Jul-2022 01:41	1101 1101
ginx_62c8dcc070e7c.com ginx 62c8dcc0711f5.conf	09-Jul-2022 01:41	1101
ginx 62c8dcc07154a.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc0718bf.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc071bff.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc071f39.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc0722c1.conf	09-Jul-2022 01:41	1101
<u>ginx_62c8dcc072626.conf</u> ginx_62c8dcc072962.conf	09-Jul-2022 01:41 09-Jul-2022 01:41	1101 1101
ginx_62c8dcc072962.com ginx_62c8dcc072c91.conf	09-Jul-2022 01:41	1101
ginx 62c8dcc07300a.conf	09-Jul-2022 01:41	1101
ginx 62c8dcc073334.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc07367e.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc0739b4.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc073cf0.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc074092.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc0743ef.conf ginx_62c8dcc07479d.conf	09-Jul-2022 01:41 09-Jul-2022 01:41	1101 1101
ginx_02c8dcc07479d.com	09-Jul-2022 01:41	1101
ginx 62c8dcc07521c.conf	09-Jul-2022 01:41	1101
ginx 62c8dcc07559e.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc0758d3.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc075bf7.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc0762d8.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc0766ee.conf ginx_62c8dcc076aa4.conf	09-Jul-2022 01:41 09-Jul-2022 01:41	1101 1101
ginx 62c8dcc076a94.conf	09-Jul-2022 01:41	1101
ginx 62c8dcc077283.conf	09-Jul-2022 01:41	1101
ginx 62c8dcc077662.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc077a39.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc077e3e.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc078232.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc078608.conf ginx_62c8dcc0789bb.conf	09-Jul-2022 01:41 09-Jul-2022 01:41	1101 1101
ginx 62c8dcc0789bb.conf	09-Jul-2022 01:41	1101
ginx 62c8dcc079159.conf	09-Jul-2022 01:41	1101
inx 62c8dcc079538.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc0798f8.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc079d02.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc07a158.conf ginx_62c8dcc07a51f.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc07a511.conf	09-Jul-2022 01:41 09-Jul-2022 01:41	1101 1101
ginx 62c8dcc085273.conf	09-Jul-2022 01:41	1101
ginx 62c8dcc0855df.conf	09-Jul-2022 01:41	1101
ginx 62c8dcc085974.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc085ce3.conf	09-Jul-2022 01:41	1101
ginx_62c8dcc086035.conf	09-Jul-2022 01:41	1101
ginx_62c8dd672bff5.conf	09-Jul-2022 01:44	1070
ginx_62c8dd95eebal.conf ginx_62c8e412132c7.conf	09-Jul-2022 01:44 09-Jul-2022 02:12	1068 1130
1 db backup 1604123342.tar.gz	09-Jul-2022 01:41	42496
z do odenap roomizaamzitariyz	03 34C-2022 01:41	72730

← → C ⋒ ○ ○ ¾ 46.101.78.118:31030/storage/

- ▼ Messing with the database.sqlite file
 - lacktriangle Downloading the file

```
(kali@ kali)-[~/HTB/ctf/baby-ngnixatsu]
$ curl http://46.101.78.118:31030/storage/v1_db_backup_1604123342.tar.gz --output backup.tar.gz
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 42496 100 42496 0 0 91808 0 --:--:-- 91982

(kali@ kali)-[~/HTB/ctf/baby-ngnixatsu]
$ backup.tar.gz ferox-http_157_245_33_77:32499-1657330021.state nikto.txt web-enum.txt

(kali@ kali)-[~/HTB/ctf/baby-ngnixatsu]
$ tar -xvf backup.tar.gz
database/database.sqlite

(kali@ kali)-[~/HTB/ctf/baby-ngnixatsu]
$ tar -xvf backup.tar.gz
database/database.sqlite

(kali@ kali)-[~/HTB/ctf/baby-ngnixatsu]

$ tar -xvf backup.tar.gz
database ferox-http_157_245_33_77:32499-1657330021.state nikto.txt web-enum.txt
```

▼ Starting sqlite

```
-(kali®kali)-[~/HTB/ctf/baby-ngnixatsu/database]
🗕$ sqlite3 database.sqlite 🚤
SQLite version 3.38.2 2022-03-26 13:51:10
Enter ".help" for usage hints.
sqlite> .tables
failed_jobs
                 nginx_configs
                                  users
migrations
                 password_resets
sqlite> select * from users
1|jr|nginxatsu-adm-01@makelarid.es|e7816e9a10590b1e33b87ec2
|2022-07-09 01:41:20
2|Giovann1|nginxatsu-giv@makelarid.es|b24ad2bbe3f09a3eeec9c
:20 2022-07-09 01:41:20
3|me0wth|nginxatsu-me0wth@makelarid.es|9272e22bfc263d8e7f6e
1:20|2022-07-09 01:41:20
sqlite> select
```

▼ Looking at the users file

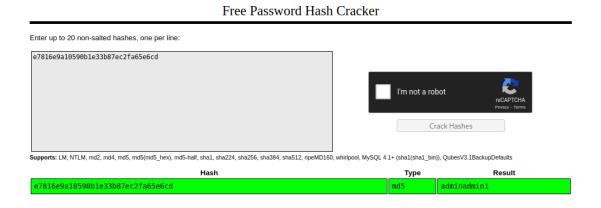
▼ Sublime cleaned up output

```
nginxatsu-adm-01@makelarid.es e7816e9a10590b1e33b87ec2fa65e6cd r0einlUPdWYGfr3R5y1Vp17SMmG1L4QEogb8h3vt83fGuM2uISjPKkG8bZhPqqVij0GP

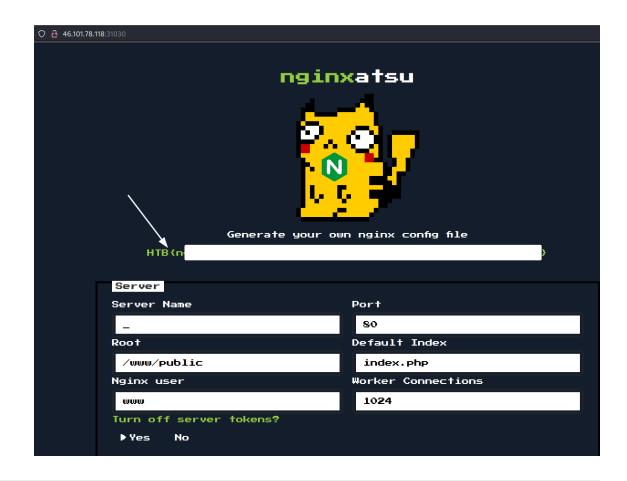
Giovann1
nginxatsu-giv@makelarid.es
b24ad2bbe3f09a3eeec9c001f30a06e6
i4eg4iyr4CSm4CWP8Vzt5mzul280YVuul9A0wxA71o54F76slbq96StgoXiNruqFiVfb

me0wth
nginxatsu-me0wth@makelarid.es
9272e22bfc263d8e7f6e2c69c60848bd
TCGVlf13RvUeSQCEBym6a4dLcyxNazA7rGYzClvfQ4WvkcDE0t0F1JjprHk7e1hUqL4M
```

▼ Using crackstation to crack the password



▼ After successful administrator login, the flag is presented



Information Learned

• Don't forget to try a request with a // and without one, sometimes that's all that's need

ex. \$IP/storage goes nowhere, but \$IP/storage/ goes where you need it to