

Category:

Web

Name:

Exfiltrate database of the behind.

Message:

When you access the challenge web site, there are an input form and a button to send a SQL query. You can execute any SQL query, but you cannot get the result table. Only “success” or “error” are shown when you execute your query.

Your task is to exfiltrate the database content of the system by exploiting the system.

You can check the challenge website (<http://target3/>) from the challenge environment.

AWS Fleet Manager allows you to login two instances (Windows and Ubuntu Linux).

Linux: Use “sudo su -” command to install software you need to use.

Windows: Use remote desktop with the credential below.

- Username: attacker
- Password: CSG@Player!

Objective:

You can learn how “SELECT INTO OUTFILE” statement of MySQL works, and importance of setting “secure-file-priv” parameter.

Instructions:

By executing some commands, you may find the DB server is MySQL.



⚠ Not secure target3/index.php

My SQL Executor

SQL query to execute

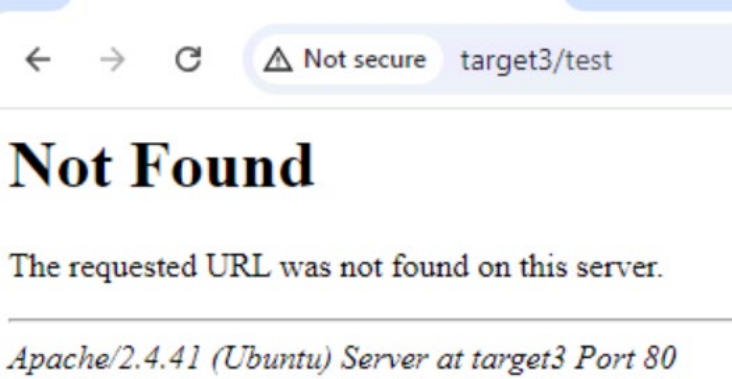
SELECT * FROM

Execute!

```
mysql_sql_exception: No tables used in /var/www/html/index.php:22
Stack trace:
#0 /var/www/html/index.php(22): mysqli->query()
#1 {main}
```

MySQL allows us to use “SELECT INTO OUTFILE” statement to write the result of query to a file, if “secure-file-priv” parameter is configured.

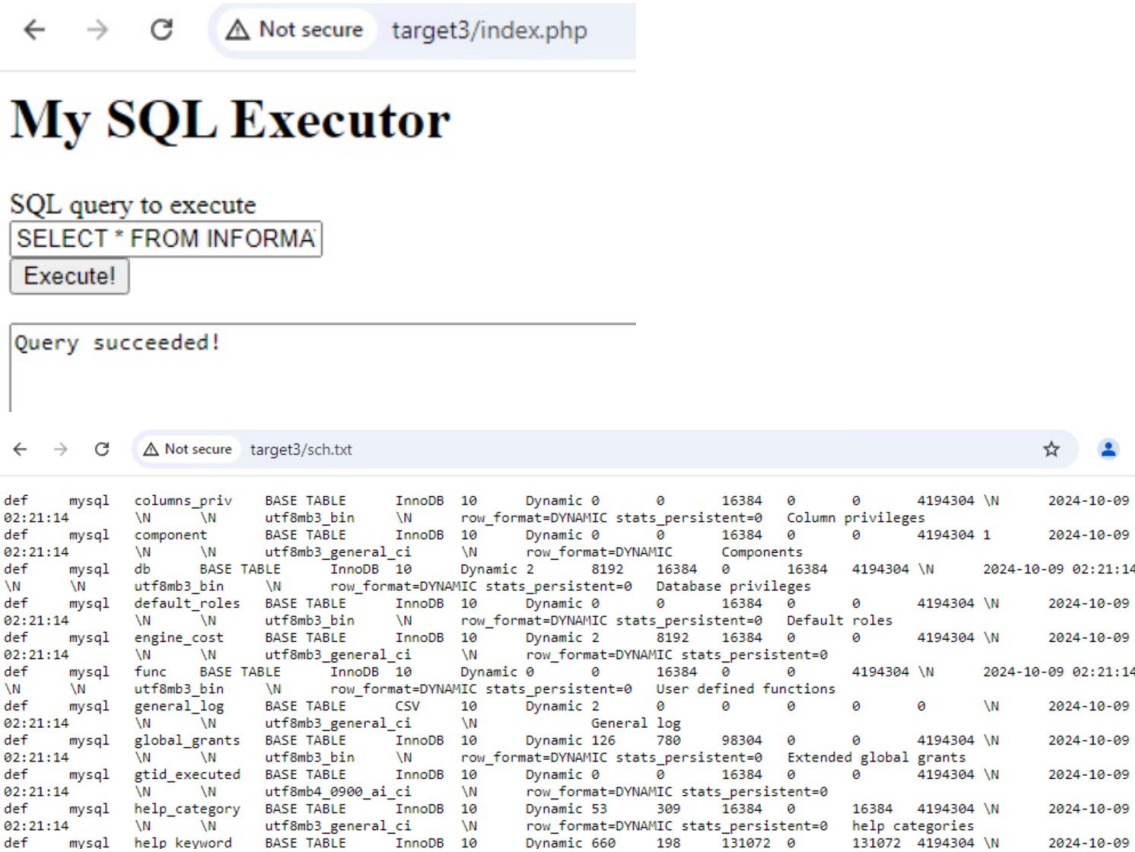
Also, you can see the HTTP server is Apache, whose default website directory is “/var/www/html”



With the above knowledge, use the following statement to know all the database schema.

“SELECT * FROM INFORMATION_SCHEMA.TABLES INTO OUTFILE ‘/var/www/html/sch.txt’;”

Then access to “http://target3/sch.txt”



And access to “http://target3/flag.txt”

[illegible]

My SQL Executor

Execute!

Query succeeded!

You will get the flag “CSG_FLAG{MustCOnfigure-secure-file-priv}”

```
← → ↻ ⚠ Not secure target3/flag.txt

1      admin  CSG_FLAG{MustC0nfigure-secure-file-priv}
2      user1  Passw0rd
3      user2  Pa1153word
```

References:

Documents

MySQL secure-file-priv: https://dev.mysql.com/doc/refman/9.0/en/server-system-variables.html#sysvar_secure_file_priv