T-POO-700



PENTESTING REPORT

Risk factor -security

SUMMARY

3
3
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4
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4 4
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5
13
14
15

DIAGNOSTIC

DIRB

WEB CONTENT SCANNER

```
DIRB v2.22
By The Dark Raver
START_TIME: Tue Nov 3 11:22:39 2020
URL_BASE: http://167.99.88.130/
WORDLIST_FILES: wordlists/common.txt
GENERATED WORDS: 4612
  --- Scanning URL: http://167.99.88.130/ ----
==> DIRECTORY: http://167.99.88.130/css/
+ http://167.99.88.130/favicon.ico (CODE:200|SIZE:4286)
==> DIRECTORY: http://167.99.88.130/img/
+ http://167.99.88.130/index.html (CODE:200|SIZE:1875)
==> DIRECTORY: http://167.99.88.130/js/
 ---- Entering directory: http://167.99.88.130/css/ ----
 --- Entering directory: http://167.99.88.130/img/ ----
   -- Entering directory: http://167.99.88.130/js/ -
(!) FATAL: Too many errors connecting to host
    (Possible cause: COULDNT CONNECT)
END_TIME: Tue Nov 3 11:32:55 2020
DOWNLOADED: 16621 - FOUND: 2
```

NMAP

```
MacBook-Pro-de-Tridon:dirb222 arsn$ nmap 167.99.88.130
Starting Nmap 7.91 (https://nmap.org) at 2020-11-03 13:20 CET Nmap scan report for 167.99.88.130 Host is up (0.12s latency).
Not shown: 995 filtered ports
            STATE SERVICE
PORT
22/tcp
            open
                     ssh
80/tcp
            open
                     http
443/tcp
            closed https
4000/tcp open remoteanything
32779/tcp open
                     sometimes-rpc21
Nmap done: 1 IP address (1 host up) scanned in 62.36 seconds
```

NMAP REPORT

P0RT	STATE	SERVICE
22/tcp	open	ssh
80/tcp	open	http
443/tcp	closed	https
4000/tcp	open	remoteanything
32779/tcp	open	sometimes-rpc21

NESSUS

Which kernel is used by the server?

Linux Kernel 2.6

Which OS is used by the server?

Ubuntu 20.04.1 LTS

which version of Apache is used by the server?

nginx 1.16.0

Se	v v	Name -	Family A	Count 🔻		÷.
	INFO	3 HTTP (Multiple Issues)	Web Servers	5	0	
	INFO	Nessus SYN scanner	Port scanners	4	0	1
	INFO	Service Detection	Service detection	2	0	1
	INFO	Common Platform Enumeration (General	1	0	1
	INFO	Device Type	General	1	0	1
	INFO	Local Checks Not Enabled (info)	Settings	1	0	1
	INFO	Nessus Scan Information	Settings	1	0	
	INFO	nginx HTTP Server Detection	Web Servers	1	0	1
	INFO	OS Identification	General	1	0	
	INFO	SSH Algorithms and Languages	Misc.	1	0	1
	INFO	SSH Server Type and Version Inf	Service detection	1	0	/
	INFO	Target Credential Status by Auth	Settings	1	0	/
	INFO	TCP/IP Timestamps Supported	General	1	0	/
	INFO	Traceroute Information	General	1	0	/

SQLMAP

REPORT SQLMAP in Risk 3 & Level 3

Duration of the test: 7min

python sqlmap.py -u 'http://167.99.88.130?id=1' --risk=3 --level=3



[!] 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 @ 15:16:17 /2020-11-03/

```
[15:16:17] [INFO] testing connection to the target URL
[15:16:17] [INFO] testing if the target URL content is stable
[15:16:17] [INFO] target URL content is stable
[15:16:17] [INFO] testing if GET parameter 'id' is dynamic
[15:16:18] [WARNING] GET parameter 'id' does not appear to be dynamic
[15:16:18] [WARNING] heuristic (basic) test shows that GET parameter 'id' might not be
injectable
[15:16:18] [INFO] testing for SQL injection on GET parameter 'id'
[15:16:18] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause' [15:16:19] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause'
[15:16:22] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (NOT)'
[15:16:23] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause (subguery -
[15:16:24] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (subquery -
[15:16:25] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause (comment)' [15:16:26] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (comment)'
[15:16:27] [INFO] testing OR DOOLEAN-DASED DILING - WHERE OR HAVING clause (comment) [15:16:27] [INFO] testing AND boolean-based blind - WHERE OR HAVING clause (MySQL comment) [15:16:27] [INFO] testing OR boolean-based blind - WHERE OR HAVING clause (MySQL comment) [15:16:29] [INFO] testing OR boolean-based blind - WHERE OR HAVING clause (NOT - MySQL)
[15:16:30] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause (Microsoft Access
[15:16:30] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (Microsoft Access
[15:16:32] [INFO] testing 'MySQL RLIKE boolean-based blind - WHERE, HAVING, ORDER BY or GROUP
[15:16:33] [INFO] testing 'MySQL AND boolean-based blind - WHERE, HAVING, ORDER BY or GROUP BY
clause (MAKE SET)
[15:16:35] [INFO] testing 'MySQL OR boolean-based blind - WHERE, HAVING, ORDER BY OR GROUP BY
[15:16:37] [INFO] testing 'PostgreSQL AND boolean-based blind - WHERE or HAVING clause (CAST)' [15:16:39] [INFO] testing 'PostgreSQL OR boolean-based blind - WHERE or HAVING clause (CAST)' [15:16:41] [INFO] testing 'Oracle AND boolean-based blind - WHERE or HAVING clause
[15:16:43] [INFO] testing 'Oracle OR boolean-based blind - WHERE or HAVING clause
[15:16:45] [INFO] testing 'Boolean-based blind - Parameter replace (original value)'
[15:16:45] [INFO] testing 'PostgreSQL boolean-based blind - Parameter replace'
[15:16:45] [INFO] testing 'Microsoft SQL Server/Sybase boolean-based blind - Parameter
replace
[15:16:45] [INFO] testing 'Oracle boolean-based blind - Parameter replace' [15:16:45] [INFO] testing 'Informix boolean-based blind - Parameter replace'
[15:16:45] [INFO] testing Microsoft Access boolean-based blind - Parameter replace' [15:16:46] [INFO] testing 'Boolean-based blind - Parameter replace (DUAL)'
[15:16:46] [INFO] testing Boolean-based blind - Parameter replace (DUAL - original value)' [15:16:46] [INFO] testing Boolean-based blind - Parameter replace (CASE)'
[15:16:46] [INFO] testing 'Boolean-based blind - Parameter replace (CASE - original value)'
[15:16:46] [INFO] testing 'Boolean-based blind - Parameter replace (CASE - original value)'
[15:16:46] [INFO] testing 'MySQL >= 5.0 boolean-based blind - ORDER BY, GROUP BY clause'
[15:16:46] [INFO] testing 'MySQL >= 5.0 boolean-based blind - ORDER BY, GROUP BY clause
[15:16:46] [INFO] testing 'MySQL < 5.0 boolean-based blind - ORDER BY, GROUP BY clause'
[15:16:46] [INFO] testing 'PostgreSQL boolean-based blind - ORDER BY, GROUP BY clause'
[15:16:46] [INFO] testing 'Microsoft SQL Server/Sybase boolean-based blind - ORDER BY clause'
[15:16:47] [INFO] testing 'Oracle boolean-based blind - ORDER BY, GROUP BY clause'
```

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[15:16:47] [INFO] testing 'HAVING boolean-based blind - WHERE, GROUP BY clause'
[15:16:48] [INFO] testing 'PostgreSQL boolean-based blind - Stacked queries'
[15:16:49] [INFO] testing 'Microsoft SQL Server/Sybase boolean-based blind - Stacked queries
[15:16:49] [INFO] testing 'MySQL >= 5.0 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:16:51] [INFO] testing 'MySQL >= 5.0 OR error-based - WHERE, HAVING, ORDER BY or GROUP BY
[15:16:52] [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:16:53] [INFO] testing 'MySQL >= 5.1 OR error-based - WHERE, HAVING, ORDER BY or GROUP BY
[15:16:55] [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:16:56] [INFO] testing 'MySQL >= 5.1 OR error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:16:58] [INFO] testing 'MySQL >= 4.1 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:16:59] [INFO] testing 'MySQL >= 4.1 OR error-based - WHERE or HAVING clause (FLOOR)' [15:17:01] [INFO] testing 'MySQL OR error-based - WHERE or HAVING clause (FLOOR)' [15:17:02] [INFO] testing 'PostgreSQL AND error-based - WHERE or HAVING clause' [15:17:03] [INFO] testing 'PostgreSQL OR error-based - WHERE or HAVING clause'
[15:17:05] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING
[15:17:06] [INFO] testing 'Microsoft SQL Server/Sybase OR error-based - WHERE or HAVING clause
[15:17:07] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING
[15:17:09] [INFO] testing 'Microsoft SQL Server/Sybase OR error-based - WHERE or HAVING clause
[15:17:10] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING
clause (CONCAT)
[15:17:11] [INFO] testing 'Microsoft SQL Server/Sybase OR error-based - WHERE or HAVING clause
[15:17:13] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause (XMLType)' [15:17:14] [INFO] testing 'Oracle OR error-based - WHERE or HAVING clause (XMLType)'
[15:17:15] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause
        INADDR.GET HOST ADDRESS)
[15:17:16] [INFO] testing 'Oracle OR error-based - WHERE or HAVING clause
(UTL_INADDR.GET_HOST_ADDRESS)
[15:17:18] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause
[15:17:19] [INFO] testing 'Oracle OR error-based - WHERE or HAVING clause (CTXSYS.DRITHSX.SN)' [15:17:20] [INFO] testing 'Firebird AND error-based - WHERE or HAVING clause' [15:17:21] [INFO] testing 'MonetDB AND error-based - WHERE or HAVING clause'
[15:17:23] [INFO] testing 'Vertica AND error-based - WHERE or HAVING clause' [15:17:24] [INFO] testing 'IBM DB2 AND error-based - WHERE or HAVING clause'
[15:17:24] [INFO] testing 'MySQL >= 5.1 error-based - PROCEDURE ANALYSE (EXTRACTVALUE)'
[15:17:27] [INFO] testing 'MySQL >= 5.0 error-based - Parameter replace (FLOOR)'
[15:17:27] [INFO] testing 'MySQL >= 5.1 error-based - Parameter replace (EXTRACTVALUE)'
[15:17:27] [INFO] testing 'PostgreSQL error-based - Parameter replace' [15:17:27] [INFO] testing 'Microsoft SQL Server/Sybase error-based - Parameter replace'
[15:17:27] [INFO] testing 'Oracle error-based - Parameter replace'
[15:17:27] [INFO] testing 'MySQL >= 5.0 error-based - ORDER BY, GROUP BY clause (FLOOR)'
[15:17:28] [INFO] testing 'MySQL >= 4.1 error-based - ORDER BY, GROUP BY clause (FLOOR)'
[15:17:28] [INFO] testing 'PostgreSQL error-based - ORDER BY, GROUP BY clause' [15:17:28] [INFO] testing 'Microsoft SQL Server/Sybase error-based - Stacking (EXEC)'
[15:17:30] [INFO] testing 'Generic inline queries [15:17:30] [INFO] testing 'MySQL inline queries'
[15:17:30] [INFO] testing 'PostgreSQL inline queries'
[15:17:30] [INFO] testing 'Microsoft SQL Server/Sybase inline queries' [15:17:31] [INFO] testing 'Oracle inline queries'
[15:17:31] [INFO] testing SQLite inline queries [15:17:31] [INFO] testing Firebird inline queries
[15:17:31] [INFO] testing 'MySQL >= 5.0.12 stacked queries (comment)' [15:17:32] [INFO] testing 'MySQL >= 5.0.12 stacked queries'
[15:17:32] [INFO] testing MySQL >= 5.0.12 stacked queries (query SLEEP - comment)' [15:17:34] [INFO] testing MySQL < 5.0.12 stacked queries (heavy query - comment)' [15:17:34] [INFO] testing PostgreSQL > 8.1 stacked queries (comment)'
[15:17:35] [INFO] testing 'PostgreSQL stacked queries (heavy query - comment)' [15:17:36] [INFO] testing 'PostgreSQL < 8.2 stacked queries (Glibc - comment)'
[15:17:37] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (comment)'
[15:17:37] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (DECLARE - comment)'
[15:17:38] [INFO] testing 'Oracle stacked queries (DBMS_PIPE.RECEIVE_MESSAGE - comment)' [15:17:39] [INFO] testing 'Oracle stacked queries (heavy query - comment)' [15:17:39] [INFO] testing 'IBM DB2 stacked queries (heavy query - comment)'
[15:17:40] [INFO] testing 'SQLite > 2.0 stacked queries (heavy query - comment)' [15:17:41] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (query SLEEP)'
[15:17:42] [INFO] testing 'MySQL >= 5.0.12 OR time-based blind (query SLEEP)
```

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[15:17:43] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (SLEEP)'
[15:17:45] [INFO] testing 'MySQL >= 5.0.12 OR time-based blind (SLEEP)'
[15:17:46] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (SLEEP - comment)'
[15:17:47] [INFO] testing 'MySQL >= 5.0.12 OR time-based blind (SLEEP - comment)
[15:17:47] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (query SLEEP - comment)
[15:17:47] [INFO] testing MySQL >= 5.0.12 AND time-based blind (query SLEEP - comment) [15:17:48] [INFO] testing 'MySQL >= 5.0.12 OR time-based blind (query SLEEP - comment) [15:17:49] [INFO] testing 'MySQL < 5.0.12 AND time-based blind (heavy query) '[15:17:50] [INFO] testing 'MySQL < 5.0.12 OR time-based blind (heavy query) '
[15:17:51] [INFO] testing MySQL >= 5.0.12 RLIKE time-based blind [15:17:53] [INFO] testing 'MySQL >= 5.0.12 RLIKE time-based blind (query SLEEP)'
[15:17:54] [INFO] testing 'MySQL AND time-based blind (ELT)' [15:17:55] [INFO] testing 'MySQL OR time-based blind (ELT)'
[15:17:53] [INFO] testing MysgL OR time-based blind (ELI)
[15:17:57] [INFO] testing 'PostgreSQL > 8.1 AND time-based blind'
[15:17:58] [INFO] testing 'PostgreSQL > 8.1 OR time-based blind'
[15:17:59] [INFO] testing 'PostgreSQL AND time-based blind (heavy query)'
[15:18:00] [INFO] testing 'PostgreSQL OR time-based blind (heavy query)' [15:18:02] [INFO] testing 'Microsoft SQL Server/Sybase time-based blind (IF)'
[15:18:03] [INFO] testing 'Microsoft SQL Server/Sybase AND time-based blind (heavy query)' [15:18:04] [INFO] testing 'Microsoft SQL Server/Sybase OR time-based blind (heavy query)'
[15:18:06] [INFO] testing 'Oracle AND time-based blind'
[15:18:07] [INFO] testing 'Oracle OR time-based blind'
[15:18:08] [INFO] testing 'Oracle AND time-based blind (heavy query)'
[15:18:10] [INFO] testing 'Oracle OR time-based blind (heavy query)' [15:18:11] [INFO] testing 'IBM DB2 AND time-based blind (heavy query)'
[15:18:12] [INFO] testing 'IBM DB2 OR time-based blind (heavy query)'
[15:18:14] [INFO] testing 'SQLite > 2.0 AND time-based blind (heavy query)'
[15:18:15] [INFO] testing 'SQLite > 2.0 OR time-based blind (heavy query)'
[15:18:16] [INFO] testing 'Informix AND time-based blind (heavy query)' [15:18:17] [INFO] testing 'Informix OR time-based blind (heavy query)'
[15:18:19] [INFO] testing 'MySQL >= 5.1 time-based blind (heavy query) - PROCEDURE ANALYSE
[15:18:20] [INFO] testing 'MySQL >= 5.0.12 time-based blind - Parameter replace' [15:18:20] [INFO] testing 'MySQL >= 5.0.12 time-based blind - Parameter replace
[15:18:20] [INFO] testing 'PostgreSQL > 8.1 time-based blind - Parameter replace' [15:18:20] [INFO] testing 'Oracle time-based blind - Parameter replace (DBMS_LOCK.SLEEP)'
[15:18:20] [INFO] testing 'Oracle time-based blind - Parameter replace
(DBMS_PIPE_RECEIVE_MESSAGE)'
[15:18:20] [INFO] testing 'MySQL >= 5.0.12 time-based blind - ORDER BY, GROUP BY clause'
[15:18:21] [INFO] testing 'PostgreSQL > 8.1 time-based blind - ORDER BY, GROUP BY clause'
[15:18:21] [INFO] testing 'Oracle time-based blind - ORDER BY, GROUP BY clause'
[15:18:21] [INFO] testing 'Oracle time-based blind - ORDER BY, GROUP BY clause
  DBMS PIPE.RECEIVE MESSAGE)
it is recommended to perform only basic UNION tests if there is not at least one other
(potential) technique found. Do you want to reduce the number of requests? [Y/n] Y
[15:18:26] [INFO] testing 'Generic UNION query (NULL) - 1 to 10 columns'
[15:18:28] [INFO] testing 'Generic UNION query (random number) - 1 to 10 columns'
[15:18:31] [INFO] testing 'MySQL UNION query (NULL) - 1 to 10 columns'
[15:18:34] [INFO] testing 'MySQL UNION query (random number) - 1 to 10 columns'
[15:18:37] [WARNING] GET parameter 'id' does not seem to be injectable
[15:18:37] [INFO] testing if parameter 'User-Agent' is dynamic
[15:18:37] [WARNING] parameter 'User-Agent' does not appear to be dynamic
[15:18:37] [WARNING] heuristic (basic) test shows that parameter 'User-Agent' might not be injectable
injectable
[15:18:37] [INFO] testing for SQL injection on parameter 'User-Agent'
[15:18:37] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause' [15:18:38] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause' [15:18:41] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (NOT)'
[15:18:42] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause (subquery -
[15:18:43] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (subguery -
[15:18:44] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause (comment)'
[15:18:45] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (comment)'
[15:18:46] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (MySQL comment)'
[15:18:47] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (MySQL comment)'
[15:18:48] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (NOT - MySQL)
[15:18:49] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause (Microsoft Access
[15:18:50] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (Microsoft Access
[15:18:51] [INFO] testing 'MySQL RLIKE boolean-based blind - WHERE, HAVING, ORDER BY or GROUP
[15:18:52] [INFO] testing 'MySQL AND boolean-based blind - WHERE, HAVING, ORDER BY or GROUP BY
clause (MAKE_SET)
[15:18:54] [INFO] testing 'MySQL OR boolean-based blind - WHERE, HAVING, ORDER BY or GROUP BY
clause (MAKE SET)
```

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[15:18:56] [INFO] testing 'PostgreSQL AND boolean-based blind - WHERE or HAVING clause (CAST)' [15:18:58] [INFO] testing 'PostgreSQL OR boolean-based blind - WHERE or HAVING clause (CAST)' [15:19:00] [INFO] testing 'Oracle AND boolean-based blind - WHERE or HAVING clause
[15:19:01] [INFO] testing 'Oracle OR boolean-based blind - WHERE or HAVING clause
[15:19:04] [INFO] testing 'Boolean-based blind - Parameter replace (original value)'
[15:19:04] [INFO] testing 'PostgreSQL boolean-based blind - Parameter replace'
[15:19:04] [INFO] testing 'Microsoft SQL Server/Sybase boolean-based blind - Parameter
replace'
[15:19:04] [INFO] testing 'Oracle boolean-based blind - Parameter replace' [15:19:04] [INFO] testing 'Informix boolean-based blind - Parameter replace'
[15:19:04] [INFO] testing 'Microsoft Access boolean-based blind - Parameter replace'
[15:19:04] [INFO] testing 'Boolean-based blind - Parameter replace (DUAL)'
[15:19:04] [INFO] testing Boolean-based blind - Parameter replace (DUAL - original value)'
[15:19:05] [INFO] testing 'Boolean-based blind - Parameter replace (CASE)'
[15:19:05] [INFO] testing 'Boolean-based blind - Parameter replace (CASE - original value)'
[15:19:05] [INFO] testing 'MySQL >= 5.0 boolean-based blind - ORDER BY, GROUP BY clause' [15:19:05] [INFO] testing 'MySQL >= 5.0 boolean-based blind - ORDER BY, GROUP BY clause
[15:19:05] [INFO] testing 'MySQL < 5.0 boolean-based blind - ORDER BY, GROUP BY clause' [15:19:05] [INFO] testing 'PostgreSQL boolean-based blind - ORDER BY, GROUP BY clause'
[15:19:05] [INFO] testing 'Microsoft SQL Server/Sybase boolean-based blind - ORDER BY clause' [15:19:05] [INFO] testing 'Oracle boolean-based blind - ORDER BY cROUP BY clause' [15:19:05] [INFO] testing 'HAVING boolean-based blind - WHERE, GROUP BY clause' [15:19:07] [INFO] testing 'PostgreSQL boolean-based blind - Stacked queries'
[15:19:08] [INFO] testing 'Microsoft SQL Server/Sybase boolean-based blind - Stacked queries
[15:19:08] [INFO] testing 'MySQL >= 5.0 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:19:10] [INFO] testing 'MySQL >= 5.0 OR error-based - WHERE, HAVING, ORDER BY or GROUP BY
[15:19:11] [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:19:12] [INFO] testing 'MySQL >= 5.1 OR error-based - WHERE, HAVING, ORDER BY or GROUP BY
clause (EXTRACTVALUE) '
[15:19:14] [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:19:15] [INFO] testing 'MySQL >= 5.1 OR error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:19:17] [INFO] testing 'MySQL >= 4.1 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:19:18] [INFO] testing 'MySQL >= 4.1 OR error-based - WHERE or HAVING clause (FLOOR)' [15:19:19] [INFO] testing 'MySQL OR error-based - WHERE or HAVING clause (FLOOR)' [15:19:20] [INFO] testing 'PostgreSQL AND error-based - WHERE or HAVING clause' [15:19:21] [INFO] testing 'PostgreSQL OR error-based - WHERE or HAVING clause' [15:19:23] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING
[15:19:24] [INFO] testing 'Microsoft SQL Server/Sybase OR error-based - WHERE or HAVING clause
[15:19:25] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING
[15:19:27] [INFO] testing 'Microsoft SQL Server/Sybase OR error-based - WHERE or HAVING clause
[15:19:28] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING
[15:19:30] [INFO] testing 'Microsoft SQL Server/Sybase OR error-based - WHERE or HAVING clause
[15:19:31] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause (XMLType) [15:19:32] [INFO] testing 'Oracle OR error-based - WHERE or HAVING clause (XMLType)' [15:19:34] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause
  UTL INADDR.GET HOST ADDRESS)'
[15:19:35] [INFO] testing 'Oracle OR error-based - WHERE or HAVING clause
(UTL INADDR.GET HOST ADDRESS)
[15:19:36] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause
[15:19:38] [INFO] testing 'Oracle OR error-based - WHERE or HAVING clause (CTXSYS.DRITHSX.SN)' [15:19:39] [INFO] testing 'Firebird AND error-based - WHERE or HAVING clause' [15:19:40] [INFO] testing 'MonetDB AND error-based - WHERE or HAVING clause'
[15:19:42] [INFO] testing 'Vertica AND error-based - WHERE or HAVING clause' [15:19:43] [INFO] testing 'IBM DB2 AND error-based - WHERE or HAVING clause'
[15:19:44] [INFO] testing 'MySQL >= 5.1 error-based - PROCEDURE ANALYSE (EXTRACTVALUE)' [15:19:45] [INFO] testing 'MySQL >= 5.0 error-based - Parameter replace (FLOOR)' [15:19:45] [INFO] testing 'MySQL >= 5.1 error-based - Parameter replace (EXTRACTVALUE)' [15:19:46] [INFO] testing 'PostgreSQL error-based - Parameter replace' [INFO] testing 'Microsoft SQL Server/Sybase error-based - Parameter replace'
[15:19:46] [INFO] testing 'Oracle error-based - Parameter replace'
[15:19:46] [INFO] testing 'MySQL >= 5.0 error-based - ORDER BY, GROUP BY clause (FLOOR)'
[15:19:46] [INFO] testing 'MySQL >= 4.1 error-based - ORDER BY, GROUP BY clause (FLOOR)'
```

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[15:19:46] [INFO] testing 'PostgreSQL error-based - ORDER BY, GROUP BY clause'
[15:19:46] [INFO] testing 'Microsoft SQL Server/Sybase error-based - Stacking (EXEC)'
[15:19:47] [INFO] testing 'Generic inline queries'
[15:19:47] [INFO] testing 'MySQL inline queries' [15:19:47] [INFO] testing 'PostgreSQL inline queries'
[15:19:47] [INFO] testing Postgresque Infilite queries [15:19:47] [INFO] testing 'Microsoft SQL Server/Sybase inline queries' [15:19:47] [INFO] testing 'Oracle inline queries' [15:19:47] [INFO] testing 'SQLite inline queries'
[15:19:47] [INFO] testing 'Firebird inline queries'
[15:19:47] [INFO] testing 'MySQL >= 5.0.12 stacked queries (comment)'
[15:19:48] [INFO] testing 'MySQL >= 5.0.12 stacked queries' [15:19:49] [INFO] testing 'MySQL >= 5.0.12 stacked queries (query SLEEP - comment)'
[15:19:49] [INFO] testing MySQL >= 5.0.12 stacked queries (query SLEEP - Comment) [15:19:50] [INFO] testing MySQL < 5.0.12 stacked queries (heavy query - comment) [15:19:51] [INFO] testing PostgreSQL > 8.1 stacked queries (comment) [15:19:52] [INFO] testing PostgreSQL stacked queries (heavy query - comment)
[15:19:52] [INFO] testing 'PostgreSQL < 8.2 stacked queries (Glibc - comment)' [15:19:53] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (comment)'
[15:19:54] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (DECLARE - comment)' [15:19:54] [INFO] testing 'Oracle stacked queries (DBMS_PIPE.RECEIVE_MESSAGE - comment)'
[15:19:55] [INFO] testing 'Oracle stacked queries (heavy query - comment)'
[15:19:56] [INFO] testing 'IBM DB2 stacked queries (heavy query - comment)'
[15:19:56] [INFO] testing 'SQLite > 2.0 stacked queries (heavy query - comment)'
[15:19:57] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (query SLEEP)' [15:20:00] [INFO] testing 'MySQL >= 5.0.12 OR time-based blind (query SLEEP)'
[15:20:00] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (SLEEP)' [15:20:02] [INFO] testing 'MySQL >= 5.0.12 OR time-based blind (SLEEP)'
 [15:20:04] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (SLEEP - comment)'
[15:20:04] [INFO] testing 'MySQL >= 5.0.12 OR time-based blind (SLEEP - comment)' [15:20:05] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (query SLEEP - comment)'
[15:20:06] [INFO] testing MySQL >= 5.0.12 OR time-based blind (query SLEEP - comment) [15:20:07] [INFO] testing 'MySQL < 5.0.12 AND time-based blind (heavy query)'
[15:20:07] [INFO] testing MySQL < 5.0.12 AND time-based blind (heavy query) [15:20:08] [INFO] testing MySQL < 5.0.12 OR time-based blind (heavy query) [15:20:09] [INFO] testing MySQL >= 5.0.12 RLIKE time-based blind (query SLEEP) [15:20:11] [INFO] testing MySQL >= 5.0.12 RLIKE time-based blind (query SLEEP) [15:20:12] [INFO] testing MySQL AND time-based blind (ELT) [15:20:13] [INFO] testing MySQL OR time-based blind (ELT)
[15:20:14] [INFO] testing 'PostgreSQL > 8.1 AND time-based blind' [15:20:16] [INFO] testing 'PostgreSQL > 8.1 OR time-based blind'
[15:20:17] [INFO] testing 'PostgreSQL AND time-based blind (heavy query)' [15:20:18] [INFO] testing 'PostgreSQL OR time-based blind (heavy query)'
[15:20:20] [INFO] testing PostgreSQL OR time-based blind (heavy query) [15:20:20] [INFO] testing 'Microsoft SQL Server/Sybase time-based blind (IF)' [15:20:21] [INFO] testing 'Microsoft SQL Server/Sybase AND time-based blind (heavy query)' [15:20:22] [INFO] testing 'Microsoft SQL Server/Sybase OR time-based blind (heavy query)' [15:20:23] [INFO] testing 'Oracle AND time-based blind' [15:20:25] [INFO] testing 'Oracle OR time-based blind'
[15:20:26] [INFO] testing 'Oracle OR time-based blind (heavy query)'
[15:20:27] [INFO] testing 'Oracle OR time-based blind (heavy query)'
[15:20:29] [INFO] testing 'IBM DB2 AND time-based blind (heavy query)'
[15:20:30] [INFO] testing 'IBM DB2 OR time-based blind (heavy query)'
[15:20:31] [INFO] testing 'SQLite > 2.0 AND time-based blind (heavy query)'
[15:20:33] [INFO] testing 'SQLite > 2.0 OR time-based blind (heavy query) [15:20:34] [INFO] testing 'Informix AND time-based blind (heavy query)'
[15:20:35] [INFO] testing 'Informix ARD time-based blind (heavy query)'
[15:20:37] [INFO] testing 'MySQL >= 5.1 time-based blind (heavy query) - PROCEDURE ANALYSE
 (EXTRACTVALUE)
[15:20:38] [INFO] testing 'MySQL >= 5.0.12 time-based blind - Parameter replace' [15:20:38] [INFO] testing 'MySQL >= 5.0.12 time-based blind - Parameter replace
[15:20:38] [INFO] testing 'PostgreSQL > 8.1 time-based blind - Parameter replace' [15:20:38] [INFO] testing 'Oracle time-based blind - Parameter replace (DBMS_LOCK.SLEEP)' [15:20:38] [INFO] testing 'Oracle time-based blind - Parameter replace
[15:20:38] [INFO] testing 'MySQL >= 5.0.12 time-based blind - ORDER BY, GROUP BY clause [15:20:38] [INFO] testing 'PostgreSQL > 8.1 time-based blind - ORDER BY, GROUP BY clause'
 [15:20:38] [INFO] testing 'Oracle time-based blind - ORDER BY, GROUP BY clause
 (DBMS_LOCK.SLEEP)
 [15:20:39] [INFO] testing 'Oracle time-based blind - ORDER BY, GROUP BY clause
[15:20:39] [INFO] testing 'Oracle time-based blind - ORDER BY, GROUP BY clause (DBMS_PIPE.RECEIVE_MESSAGE)'
[15:20:39] [INFO] testing 'Generic UNION query (NULL) - 1 to 10 columns'
[15:20:41] [INFO] testing 'Generic UNION query (random number) - 1 to 10 columns'
[15:20:44] [INFO] testing 'MySQL UNION query (NULL) - 1 to 10 columns'
[15:20:47] [INFO] testing 'MySQL UNION query (random number) - 1 to 10 columns'
[15:20:49] [WARNING] parameter 'User-Agent' does not seem to be injectable
[15:20:49] [WARNING] parameter 'Referer' is dynamic
[15:20:49] [WARNING] parameter 'Referer' does not appear to be dynamic
[15:20:49] [WARNING] heuristic (basic) test shows that parameter 'Referer' might:
 [15:20:49] [WARNING] heuristic (basic) test shows that parameter 'Referer' might not be
[15:20:49] [INFO] testing for SQL injection on parameter 'Referer'
 [15:20:50] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause'
```

```
[15:20:51] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause'
[15:20:54] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (NOT)'
[15:20:55] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause (subquery -
[15:20:56] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (subquery -
[15:20:57] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause (comment)' [15:20:58] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (comment)'
[15:20:59] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause (MySQL comment)' [15:20:59] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (MySQL comment)'
[15:21:01] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (NOT - MySQL
[15:21:02] [INFO] testing 'AND boolean-based blind - WHERE or HAVING clause (Microsoft Access
[15:21:02] [INFO] testing 'OR boolean-based blind - WHERE or HAVING clause (Microsoft Access
[15:21:04] [INFO] testing 'MySQL RLIKE boolean-based blind - WHERE, HAVING, ORDER BY OR GROUP
[15:21:05] [INFO] testing 'MySQL AND boolean-based blind - WHERE, HAVING, ORDER BY or GROUP BY
[15:21:06] [INFO] testing 'MySQL OR boolean-based blind - WHERE, HAVING, ORDER BY OR GROUP BY
[15:21:09] [INFO] testing 'PostgreSQL AND boolean-based blind - WHERE or HAVING clause (CAST)' [15:21:10] [INFO] testing 'PostgreSQL OR boolean-based blind - WHERE or HAVING clause (CAST)'
[15:21:13] [INFO] testing 'Oracle AND boolean-based blind - WHERE or HAVING clause
[15:21:14] [INFO] testing 'Oracle OR boolean-based blind - WHERE or HAVING clause
[15:21:17] [INFO] testing 'Boolean-based blind - Parameter replace (original value)'
[15:21:17] [INFO] testing 'PostgreSQL boolean-based blind - Parameter replace'
[15:21:17] [INFO] testing 'Microsoft SQL Server/Sybase boolean-based blind - Parameter
replace'
[15:21:17] [INFO] testing 'Oracle boolean-based blind - Parameter replace'
[15:21:17] [INFO] testing 'Informix boolean-based blind - Parameter replace'
[15:21:17] [INFO] testing 'Microsoft Access boolean-based blind - Parameter replace'
[15:21:17] [INFO] testing 'Boolean-based blind - Parameter replace (DUAL)'
[15:21:17] [INFO] testing 'Boolean-based blind - Parameter replace (DUAL - original value)' [15:21:18] [INFO] testing 'Boolean-based blind - Parameter replace (CASE)'
[15:21:10] [INFO] testing | Boolean-Dased Dlind - Parameter replace (CASE) |
[15:21:18] [INFO] testing | Boolean-Dased Dlind - Parameter replace (CASE - original value) |
[15:21:18] [INFO] testing | MySQL >= 5.0 boolean-Dased Dlind - ORDER BY, GROUP BY clause |
[15:21:18] [INFO] testing | MySQL >= 5.0 boolean-Dased Dlind - ORDER BY, GROUP BY clause
[15:21:18] [INFO] testing 'MySQL < 5.0 boolean-based blind - ORDER BY, GROUP BY clause' [15:21:18] [INFO] testing 'PostgreSQL boolean-based blind - ORDER BY, GROUP BY clause' [15:21:18] [INFO] testing 'Microsoft SQL Server/Sybase boolean-based blind - ORDER BY clause'
[15:21:18] [INFO] testing 'Oracle boolean-based blind - ORDER BY, GROUP BY clause'
[15:21:18] [INFO] testing 'HAVING boolean-based blind - WHERE, GROUP BY clause
[15:21:20] [INFO] testing 'PostgreSQL boolean-based blind - Stacked queries'
[15:21:20] [INFO] testing 'Microsoft SQL Server/Sybase boolean-based blind - Stacked queries
[15:21:21] [INFO] testing 'MySQL >= 5.0 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:21:22] [INFO] testing 'MySQL >= 5.0 OR error-based - WHERE, HAVING, ORDER BY or GROUP BY
[15:21:24] [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:21:25] [INFO] testing 'MySQL >= 5.1 OR error-based - WHERE, HAVING, ORDER BY or GROUP BY
[15:21:26] [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
[15:21:27] [INFO] testing 'MySQL >= 5.1 OR error-based - WHERE, HAVING, ORDER BY or GROUP BY
[15:21:29] [INFO] testing 'MySQL >= 4.1 AND error-based - WHERE, HAVING, ORDER BY OR GROUP BY
clause (FLOOR)'
[15:21:30] [INFO] testing 'MySQL >= 4.1 OR error-based - WHERE or HAVING clause (FLOOR)' [15:21:31] [INFO] testing 'MySQL OR error-based - WHERE or HAVING clause (FLOOR)'
[15:21:31] [INFO] testing MySQL OR error-based - WHERE OR HAVING clause (FLOOR) [15:21:32] [INFO] testing 'PostgreSQL AND error-based - WHERE OR HAVING clause' [15:21:33] [INFO] testing 'PostgreSQL OR error-based - WHERE OR HAVING clause' [15:21:35] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE OR HAVING
[15:21:36] [INFO] testing 'Microsoft SQL Server/Sybase OR error-based - WHERE or HAVING clause
[15:21:37] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING
[15:21:39] [INFO] testing 'Microsoft SQL Server/Sybase OR error-based - WHERE or HAVING clause
[15:21:40] [INFO] testing 'Microsoft SQL Server/Sybase AND error-based - WHERE or HAVING
clause (CONCAT)
```

```
[15:21:41] [INFO] testing 'Microsoft SQL Server/Sybase OR error-based - WHERE or HAVING clause
[15:21:42] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause (XMLType) [15:21:44] [INFO] testing 'Oracle OR error-based - WHERE or HAVING clause (XMLType)' [15:21:45] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause
 (UTL_INADDR.GET_HOST_ADDRESS)
 [15:21:46] [INFO] testing 'Oracle OR error-based - WHERE or HAVING clause
 (UTL INADDR.GET HOST ADDRESS)
 [15:21:48] [INFO] testing 'Oracle AND error-based - WHERE or HAVING clause
[15:21:49] [INFO] testing 'Oracle OR error-based - WHERE or HAVING clause (CTXSYS.DRITHSX.SN)' [15:21:50] [INFO] testing 'Firebird AND error-based - WHERE or HAVING clause'
[15:21:52] [INFO] testing 'MonetDB AND error-based - WHERE or HAVING clause' [15:21:53] [INFO] testing 'Vertica AND error-based - WHERE or HAVING clause'
[15:21:54] [INFO] testing 'IBM DB2 AND error-based - WHERE or HAVING clause'
[15:21:56] [INFO] testing 'MySQL >= 5.1 error-based - PROCEDURE ANALYSE (EXTRACTVALUE)' [15:21:57] [INFO] testing 'MySQL >= 5.0 error-based - Parameter replace (FLOOR)'
[15:21:57] [INFO] testing 'MySQL >= 5.1 error-based - Parameter replace (EXTRACTVALUE)' [15:21:57] [INFO] testing 'PostgreSQL error-based - Parameter replace'
[15:21:57] [INFO] testing PostgreSQL error-based - Parameter replace
[15:21:57] [INFO] testing 'Microsoft SQL Server/Sybase error-based - Parameter replace'
[15:21:57] [INFO] testing 'Oracle error-based - Parameter replace'
[15:21:57] [INFO] testing 'MySQL >= 5.0 error-based - ORDER BY, GROUP BY clause (FLOOR)'
[15:21:57] [INFO] testing 'MySQL >= 4.1 error-based - ORDER BY, GROUP BY clause (FLOOR)'
[15:21:58] [INFO] testing 'PostgreSQL error-based - ORDER BY, GROUP BY clause'
[15:21:58] [INFO] testing 'Microsoft SQL Server/Sybase error-based - Stacking (EXEC)' [15:21:58] [INFO] testing 'Generic inline queries'
 [15:21:58] [INFO] testing 'MySQL inline queries'
[15:21:58] [INFO] testing 'PostgreSQL inline queries' [15:21:59] [INFO] testing 'Microsoft SQL Server/Sybase inline queries'
[15:21:59] [INFO] testing 'Oracle inline queries' [15:21:59] [INFO] testing 'SQLite inline queries'
[15:21:59] [INFO] testing 'Firebird inline queries' [15:21:59] [INFO] testing 'MySQL >= 5.0.12 stacked queries (comment)' [15:22:00] [INFO] testing 'MySQL >= 5.0.12 stacked queries' [15:22:01] [INFO] testing 'MySQL >= 5.0.12 stacked queries (query SLEEP - comment)' [15:22:02] [INFO] testing 'MySQL < 5.0.12 stacked queries (heavy query - comment)'
[15:22:02] [INFO] testing 'PostgreSQL > 8.1 stacked queries (comment)' [15:22:03] [INFO] testing 'PostgreSQL stacked queries (heavy query - comment)
[15:22:04] [INFO] testing 'PostgreSQL < 8.2 stacked queries (Glibc - comment)' [15:22:04] [INFO] testing 'Microsoft SQL Server/Sybase stacked queries (comment)'
[15:22:04] [INFO] testing Microsoft SQL Server/Sybase stacked queries (Comment) [15:22:05] [INFO] testing Microsoft SQL Server/Sybase stacked queries (DECLARE - comment) [15:22:06] [INFO] testing Oracle stacked queries (DBMS_PIPE.RECEIVE_MESSAGE - comment) [15:22:07] [INFO] testing Oracle stacked queries (heavy query - comment)
[15:22:07] [INFO] testing 'IBM DB2 stacked queries (heavy query - comment)' [15:22:08] [INFO] testing 'SQLite > 2.0 stacked queries (heavy query - comment)' [15:22:09] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (query SLEEP)' [15:22:10] [INFO] testing 'MySQL >= 5.0.12 OR time-based blind (query SLEEP)'
[15:22:10] [INFO] testing MySQL >= 5.0.12 OR time-based blind (query SLEEP) [15:22:11] [INFO] testing MySQL >= 5.0.12 AND time-based blind (SLEEP) [15:22:13] [INFO] testing MySQL >= 5.0.12 OR time-based blind (SLEEP) [15:22:14] [INFO] testing MySQL >= 5.0.12 AND time-based blind (SLEEP - comment)
[15:22:15] [INFO] testing 'MySQL >= 5.0.12 OR time-based blind (SLEEP - comment)' [15:22:15] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (query SLEEP - comment)'
[15:22:15] [INFO] testing MySQL >= 5.0.12 AND time-based blind (query SLEEP - comment) 
[15:22:16] [INFO] testing MySQL >= 5.0.12 OR time-based blind (query SLEEP - comment) 
[15:22:17] [INFO] testing MySQL < 5.0.12 AND time-based blind (heavy query) 
[15:22:18] [INFO] testing MySQL < 5.0.12 OR time-based blind (heavy query)
[15:22:19] [INFO] testing MySQL >= 5.0.12 RLIKE time-based blind [15:22:20] [INFO] testing MySQL >= 5.0.12 RLIKE time-based blind (query SLEEP)'
[15:22:22] [INFO] testing 'MySQL AND time-based blind (ELT)' [15:22:23] [INFO] testing 'MySQL OR time-based blind (ELT)'
[15:22:24] [INFO] testing 'PostgreSQL > 8.1 AND time-based blind' [15:22:25] [INFO] testing 'PostgreSQL > 8.1 OR time-based blind'
[15:22:25] [INFO] testing PostgreSQL > 8.1 OR time-based blind [15:22:27] [INFO] testing 'PostgreSQL AND time-based blind (heavy query)' [15:22:30] [INFO] testing 'PostgreSQL OR time-based blind (heavy query)' [15:22:31] [INFO] testing 'Microsoft SQL Server/Sybase time-based blind (IF)'
[15:22:33] [INFO] testing 'Microsoft SQL Server/Sybase AND time-based blind (heavy query)' [15:22:34] [INFO] testing 'Microsoft SQL Server/Sybase OR time-based blind (heavy query)'
[15:22:35] [INFO] testing 'Oracle AND time-based blind'
[15:22:37] [INFO] testing 'Oracle OR time-based blind'
[15:22:38] [INFO] testing 'Oracle AND time-based blind (heavy query)'
[15:22:40] [INFO] testing 'Oracle OR time-based blind (heavy query)' [15:22:41] [INFO] testing 'IBM DB2 AND time-based blind (heavy query)
[15:22:44] [INFO] testing IBM DB2 AND time-based blind (heavy query) [15:22:43] [INFO] testing IBM DB2 OR time-based blind (heavy query) [15:22:44] [INFO] testing SQLite > 2.0 AND time-based blind (heavy query) [15:22:45] [INFO] testing SQLite > 2.0 OR time-based blind (heavy query) [15:22:47] [INFO] testing Informix AND time-based blind (heavy query) [15:22:48] [INFO] testing Informix OR time-based blind (heavy query)
 [15:22:49] [INFO] testing 'MySQL >= 5.1 time-based blind (heavy query) - PROCEDURE ANALYSE
 [15:22:50] [INFO] testing 'MySQL >= 5.0.12 time-based blind - Parameter replace'
```

```
[15:22:50] [INFO] testing 'MySQL >= 5.0.12 time-based blind - Parameter replace (substraction)'
[15:22:50] [INFO] testing 'PostgreSQL > 8.1 time-based blind - Parameter replace'
[15:22:51] [INFO] testing 'Oracle time-based blind - Parameter replace (DBMS_LOCK.SLEEP)'
[15:22:51] [INFO] testing 'Oracle time-based blind - Parameter replace (DBMS_LOCK.SLEEP)'
[15:22:51] [INFO] testing 'MySQL >= 5.0.12 time-based blind - ORDER BY, GROUP BY clause'
[15:22:51] [INFO] testing 'PostgreSQL > 8.1 time-based blind - ORDER BY, GROUP BY clause'
[15:22:51] [INFO] testing 'Oracle time-based blind - ORDER BY, GROUP BY clause (DBMS_LOCK.SLEEP)'
[15:22:51] [INFO] testing 'Oracle time-based blind - ORDER BY, GROUP BY clause (DBMS_PIPE.RECEIVE_MESSAGE)'
[15:22:51] [INFO] testing 'Generic UNION query (NULL) - 1 to 10 columns'
[15:22:54] [INFO] testing 'Generic UNION query (random number) - 1 to 10 columns'
[15:22:59] [INFO] testing 'MySQL UNION query (random number) - 1 to 10 columns'
[15:22:59] [INFO] testing 'MySQL UNION query (random number) - 1 to 10 columns'
[15:23:02] [CRITICAL] all tested parameters do not appear to be injectable. Try to increase values for '--level'/'--risk' options if you wish to perform more tests. If you suspect that there is some kind of protection mechanism involved (e.g. WAF) maybe you could try to use option '--tamper' (e.g. '--tamper=space2comment') and/or switch '--random-agent'
```

[*] ending @ 15:23:02 /2020-11-03/

NIKTO

```
- which flag performs XSS injections tests? -Tuning 4
./nikto.pl -h 167.99.88.130 -Tuning 4
Nikto v2.1.6
+ Target IP: 167.99.88.130
+ Target Hostname: 167.99.88.130
+ Target Port: 80
+ Start Time: 2020-11-03 16:20:03 (GMT1)
+ Server: nginx/1.16.0
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-Content-Type-Options header is not set. This could allow the user agent to render the content of the site in a different fashion
to the MIME type.
+ No CGI Directories found (use '-C all' to force check all possible
dirs)
Var: name val:Nikto
Var: @MAGENTO val:/
Var: @MAGENTO val:/magento/
Var: @MAGENTO val:/shop/
Var: @MAGENTO val:/
Var: @MAGENTO val:/magento/
Var: @MAGENTO val:/shop/
Var: @MAGENTO val:/
Var: @MAGENTO val:/magento/
Var: @MAGENTO val:/shop/
Var: @CKEDITOR val:/
Var: @CKEDITOR val:/ckeditor/
Var: @CKEDITOR
                    val:/admin/ckeditor/
Var: @CKEDITOR val:/sites/all/modules/ckeditor/
Var: @CKEDITOR val:/resources/ckeditor/
Var: @CKEDITOR
                   val:/clientscript/ckeditor/
Var: @CKEDITOR
                    val:/wp-content/plugins/ckeditor-for-
wordpress/ckeditor/
+ 1020 requests: 0 error(s) and 2 item(s) reported on remote host
+ End Time: 2020-11-03 16:20:42 (GMT1) (39 seconds)
```

^{+ 1} host(s) tested

GENERAL NIKTO REPORT

./nikto.pl -h http://167.99.88.130

- Nikto v2.1.6

+ Target IP: 167.99.88.130 + Target Hostname: 167.99.88.130 + Target Port: 80 + Start Time: 2020-11-03 15:55:31 (GMT1)

+ Server: nginx/1.16.0

+ The anti-clickjacking X-Frame-Options header is not present.

+ The X-Content-Type-Options header is not set. This could allow the user agent to render the content of the site in a different fashion to the MIME type.

+ No CGI Directories found (use '-C all' to force check all possible dirs)

+ 8106 requests: 0 error(s) and 2 item(s) reported on remote host

+ End Time: 2020-11-03 16:00:52 (GMT1) (321 seconds)

^{+ 1} host(s) test

ANALYSIS & SOLUTIONS

NETWORK

NMAP ANALYSIS

When you read the nmap analysis, we can see the following ports open:

```
PORT STATE SERVICE
22/tcp open ssh
80/tcp open http
443/tcp closed https
4000/tcp open remoteanything
32779/tcp open sometimes-rpc21
```

Only the port 4000 is visible, so we change the configuratio of the docker-compose file and now you have this result:

docker-compose ps

Name	Command	State		
Ports				
api	mix phx.server	Up		
0.0.0:32782->4000/tcp				
app	nginx -g daemon off;	Up		
0.0.0.0:443->443/tcp, 0.0.0.0:80->80/tcp				
time manager db 1	docker-entrypoint.sh postgres	Up		
0.0.0.0:32781->5432	2/tcp	_		

With a "docker-compose ps", we can see the redirection of the port 5432 (postgresql) in 32781 and the redirection of the port 4000 (phoenix) to 32782.

And when you make a new nmap analysis you have the following answer:

```
nmap 167.99.88.130
Starting Nmap 7.91 (https://nmap.org ) at 2020-11-04 12:59 CET
Nmap scan report for 167.99.88.130
Host is up (0.095s latency).
Not shown: 995 filtered ports
PORT STATE SERVICE
22/tcp open ssh
80/tcp open http
443/tcp closed https
32781/tcp open unknown
32782/tcp open unknown
```

Nmap done: 1 IP address (1 host up) scanned in 23.03 second

NESSUS ANALYSIS

We made 2 additional tests with Nessus, one was an advanced scan of the network and system vulnerability,

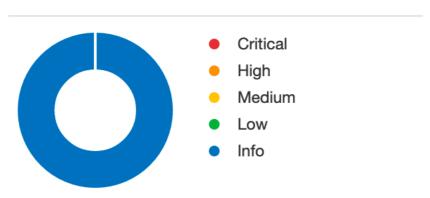


and the other one was a Web Applications Tests,



We didn't find any vulnerabilities on the both report, only "info" with basic informations. No critical or something else.

Vulnerabilities



APPLICATION

```
- are they injectable (XSS, Script, HTML, . . . )?
Tuning 4: Injection (XSS/Script/HTML)
./nikto.pl -h http://167.99.88.130 -Tuning 4
Nikto v2.1.6
+ Target IP: 167.99.88.130
+ Target Hostname: 167.99.88.130
+ Target Port: 80
+ Start Time: 2020-11-04 10:08:45 (GMT1)
+ Server: nginx/1.16.0
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-Content-Type-Options header is not set. This could allow the
user agent to render the content of the site in a different fashion
to the MIME type.
+ No CGI Directories found (use '-C all' to force check all possible
dirs)
Var: name val:Nikto
Var: @MAGENTO val:/
Var: @MAGENTO val:/magento/
Var: @MAGENTO val:/shop/
Var: @MAGENTO val:/
Var: @MAGENTO val:/magento/
Var: @MAGENTO val:/shop/
Var: @MAGENTO val:/
Var: @MAGENTO val:/magento/
Var: @MAGENTO
                   val:/shop/
Var: @CKEDITOR val:/
Var: @CKEDITOR val:/ckeditor/
Var: @CKEDITOR val:/admin/ckeditor/
Var: @CKEDITOR val:/sites/all/modules/ckeditor/
Var: @CKEDITOR val:/resources/ckeditor/
                   val:/clientscript/ckeditor/
Var: @CKEDITOR
Var: @CKEDITOR
                   val:/wp-content/plugins/ckeditor-for-
wordpress/ckeditor/
+ 1020 requests: 0 error(s) and 2 item(s) reported on remote host
+ End Time: 2020-11-04 10:09:26 (GMT1) (41 seconds)
```

+ 1 host(s) tested

- are they vulnerable to sql injections, nosql?

[10:12:54] [CRITICAL] connection dropped or unknown HTTP status code received. sqlmap is going to retry the request(s) [10:12:54] [WARNING] most likely web server instance hasn't recovered yet from previous timed based payload. If the problem persists please wait for a few minutes and rerun without flag 'T' in option 'technique' (e.g. '--flush-session --technique=BEUS') or try to lower the value of option '--time-sec' (e.g. '--time-sec=2') [10:12:58] [WARNING] GET parameter 'id' does not seem to be injectable [10:12:58] [CRITICAL] all tested parameters do not appear to be injectable. Try to increase values for '--level'/'--risk' options if you wish to perform more tests. If you suspect that there is some kind of protection mechanism involved (e.g. WAF) maybe you could try to use option '--tamper' (e.g. '--tamper=space2comment')

- are there accessible configuration files?

Plugins 1: Test all files with all root directories

```
./nikto.pl -h http://167.99.88.130 -Plugins 1
Nikto v2.1.6
```

+ Target IP: 167.99.88.130 + Target Hostname: 167.99.88.130

+ Target Port: 80
- Start Time: 2020-11-04 10:32:01 (GMT1)

+ Server: nginx/1.16.0

+ 239 requests: 0 error(s) and 0 item(s) reported on remote host

+ End Time: 2020-11-04 10:32:10 (GMT1) (9 seconds)

- are password hashes difficult to break? Yes, bcrypt with a salt.
- are routes accessible by unauthorized users? No.
- are endpoints accessible by unauthorized users?

No.

^{+ 1} host(s) tested

is it possible to fill the database and cause a denial of service when rendering the page?

Tuning 6: Denial of Service

./nikto.pl -h http://167.99.88.130 -Tuning 6 -C all

- Nikto v2.1.6

+ Target IP: 167.99.88.130 + Target Hostname: 167.99.88.130 + Target Port: 80 + Start Time: 2020-11-04 11:22:08 (GMT1)

+ Server: nginx/1.16.0

+ The anti-clickjacking X-Frame-Options header is not present.

+ The X-Content-Type-Options header is not set. This could allow the user agent to render the content of the site in a different fashion to the MIME type.

+ 2385 requests: 0 error(s) and 2 item(s) reported on remote host

+ End Time: 2020-11-04 11:23:40 (GMT1) (92 seconds)

- are JWT tokens http-only? If not, how to recover these tokens?

we don't have a JWT Tokens, instead we have a Bearer Token. Most common, it's a JWT with an XSS.

- are the passwords sent in clear? If so how do you recover them?

Yes, our passwords are send in clear, but it's in HTTPS, so their are protected by the protocols.

- is the application available only in https? if not, how could a malicious user intercept a client's requests to your server?

Yes, the application is only in HTTPS.

Between the test phase of the tuesday 4th november, and the next day. We implement the HTTPS protocol, to prevent big vulnerabilities. It resolved a lot of problems. That's the major security additional content of the project, with the port hidding.

^{+ 1} host(s) tested