



UOC_advanced

Report generated by Nessus™

Mon, 30 Mar 2020 04:35:10 EDT

Nessus Essentials

TABLE OF CONTENTS

Vulnerabilities by Host

- 192.168.100.5.....4

Remediations

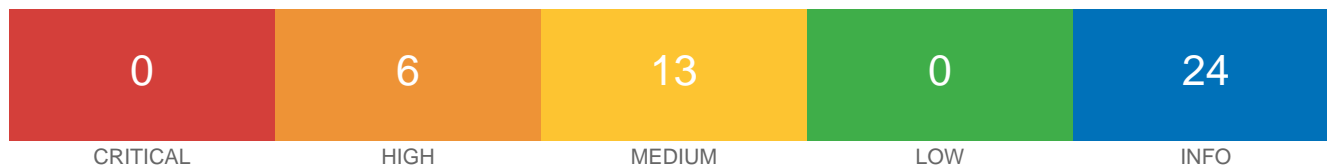
- Suggested Remediations..... 70

Nessus Essentials

Vulnerabilities by Host

Nessus Essentials

192.168.100.5



Scan Information

Start time: Mon Mar 30 04:33:47 2020

End time: Mon Mar 30 04:35:10 2020

Host Information

IP: 192.168.100.5

MAC Address: 08:00:27:B9:EA:73

OS: Linux Kernel 3.10, Linux Kernel 3.13, Linux Kernel 4.2, Linux Kernel 4.8

Vulnerabilities

77531 - Apache 2.2.x < 2.2.28 Multiple Vulnerabilities

Synopsis

The remote web server is affected by multiple vulnerabilities.

Description

According to its banner, the version of Apache 2.2.x running on the remote host is prior to 2.2.28. It is, therefore, affected by the following vulnerabilities :

- A flaw exists within the 'mod_headers' module which allows a remote attacker to inject arbitrary headers.

This is done by placing a header in the trailer portion of data being sent using chunked transfer encoding.

(CVE-2013-5704)

- A flaw exists within the 'mod_deflate' module when handling highly compressed bodies. Using a specially crafted request, a remote attacker can exploit this to cause a denial of service by exhausting memory and CPU resources. (CVE-2014-0118)

- The 'mod_status' module contains a race condition that can be triggered when handling the scoreboard. A remote attacker can exploit this to cause a denial of service, execute arbitrary code, or obtain sensitive credential information. (CVE-2014-0226)

- The 'mod_cgid' module lacks a time out mechanism. Using a specially crafted request, a remote attacker can use this flaw to cause a denial of service by causing child processes to linger indefinitely, eventually filling up the scoreboard. (CVE-2014-0231)

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

See Also

<https://www.zerodayinitiative.com/advisories/ZDI-14-236/>

https://archive.apache.org/dist/httpd/CHANGES_2.2.29

http://httpd.apache.org/security/vulnerabilities_22.html

<http://swende.se/blog/HTTPChunked.html>

Solution

Upgrade to Apache version 2.2.29 or later.

Note that version 2.2.28 was never officially released.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS Base Score

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

CVSS Temporal Score

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

References

BID	66550
BID	68678
BID	68742
BID	68745
CVE	CVE-2013-5704
CVE	CVE-2014-0118
CVE	CVE-2014-0226
CVE	CVE-2014-0231
XREF	EDB-ID:34133

Plugin Information

Published: 2014/09/04, Modified: 2019/11/25

Plugin Output

tcp/80

```
Version source      : Server: Apache/2.2.21 (Unix) DAV/2
Installed version  : 2.2.21
Fixed version      : 2.2.29
```

Synopsis

The remote web server is affected by multiple vulnerabilities.

Description

According to its banner, the version of Apache running on the remote host is 2.2.x prior to 2.2.33-dev or 2.4.x prior to 2.4.26. It is, therefore, affected by the following vulnerabilities :

- An authentication bypass vulnerability exists due to third-party modules using the `ap_get_basic_auth_pw()` function outside of the authentication phase. An unauthenticated, remote attacker can exploit this to bypass authentication requirements. (CVE-2017-3167)
- A NULL pointer dereference flaw exists due to third-party module calls to the `mod_ssl ap_hook_process_connection()` function during an HTTP request to an HTTPS port. An unauthenticated, remote attacker can exploit this to cause a denial of service condition. (CVE-2017-3169)
- A NULL pointer dereference flaw exists in `mod_http2` that is triggered when handling a specially crafted HTTP/2 request. An unauthenticated, remote attacker can exploit this to cause a denial of service condition. Note that this vulnerability does not affect 2.2.x. (CVE-2017-7659)
- An out-of-bounds read error exists in the `ap_find_token()` function due to improper handling of header sequences. An unauthenticated, remote attacker can exploit this, via a specially crafted header sequence, to cause a denial of service condition. (CVE-2017-7668)
- An out-of-bounds read error exists in `mod_mime` due to improper handling of Content-Type response headers. An unauthenticated, remote attacker can exploit this, via a specially crafted Content-Type response header, to cause a denial of service condition or the disclosure of sensitive information. (CVE-2017-7679)

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

See Also

https://archive.apache.org/dist/httpd/CHANGES_2.2.32

https://archive.apache.org/dist/httpd/CHANGES_2.4.26

https://httpd.apache.org/security/vulnerabilities_22.html

https://httpd.apache.org/security/vulnerabilities_24.html

Solution

Upgrade to Apache version 2.2.33-dev / 2.4.26 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

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

CVSS Base Score

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

CVSS Temporal Score

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

References

BID	99132
BID	99134
BID	99135
BID	99137
BID	99170
CVE	CVE-2017-3167
CVE	CVE-2017-3169
CVE	CVE-2017-7659
CVE	CVE-2017-7668
CVE	CVE-2017-7679

Plugin Information

Published: 2017/06/22, Modified: 2019/11/13

Plugin Output

tcp/80

```
Source          : Server: Apache/2.2.21 (Unix) DAV/2
Installed version : 2.2.21
Fixed version    : 2.2.33
```


Synopsis

The remote web server is affected by multiple vulnerabilities.

Description

According to its banner, the version of Apache running on the remote host is 2.2.x prior to 2.2.34. It is, therefore, affected by the following vulnerabilities :

- An authentication bypass vulnerability exists in httpd due to third-party modules using the `ap_get_basic_auth_pw()` function outside of the authentication phase. An unauthenticated, remote attacker can exploit this to bypass authentication requirements. (CVE-2017-3167)
- A denial of service vulnerability exists in httpd due to a NULL pointer dereference flaw that is triggered when a third-party module calls the `mod_ssl ap_hook_process_connection()` function during an HTTP request to an HTTPS port. An unauthenticated, remote attacker can exploit this to cause a denial of service condition. (CVE-2017-3169)
- A denial of service vulnerability exists in httpd due to an out-of-bounds read error in the `ap_find_token()` function that is triggered when handling a specially crafted request header sequence. An unauthenticated, remote attacker can exploit this to crash the service or force `ap_find_token()` to return an incorrect value. (CVE-2017-7668)
- A denial of service vulnerability exists in httpd due to an out-of-bounds read error in the `mod_mime` that is triggered when handling a specially crafted Content-Type response header. An unauthenticated, remote attacker can exploit this to disclose sensitive information or cause a denial of service condition. (CVE-2017-7679)
- A denial of service vulnerability exists in httpd due to a failure to initialize or reset the value placeholder in [Proxy-]Authorization headers of type 'Digest' before or between successive key=value assignments by `mod_auth_digest`. An unauthenticated, remote attacker can exploit this, by providing an initial key with no '=' assignment, to disclose sensitive information or cause a denial of service condition. (CVE-2017-9788)

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

See Also

https://archive.apache.org/dist/httpd/CHANGES_2.2.34

https://httpd.apache.org/security/vulnerabilities_22.html

Solution

Upgrade to Apache version 2.2.34 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

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

CVSS Base Score

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

CVSS Temporal Score

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

References

BID	99134
BID	99135
BID	99137
BID	99170
BID	99569
CVE	CVE-2017-3167
CVE	CVE-2017-3169
CVE	CVE-2017-7668
CVE	CVE-2017-7679
CVE	CVE-2017-9788

Plugin Information

Published: 2017/07/18, Modified: 2018/09/17

Plugin Output

tcp/80

```
Source          : Server: Apache/2.2.21 (Unix) DAV/2
Installed version : 2.2.21
Fixed version    : 2.2.34
```

Synopsis

The SSH server running on the remote host is affected by multiple vulnerabilities.

Description

According to its banner, the version of OpenSSH running on the remote host is prior to 7.3. It is, therefore, affected by multiple vulnerabilities :

- A local privilege escalation when the UseLogin feature is enabled and PAM is configured to read .pam_environment files from home directories. (CVE-2015-8325)
- A flaw exists that is due to the program returning shorter response times for authentication requests with overly long passwords for invalid users than for valid users. This may allow a remote attacker to conduct a timing attack and enumerate valid usernames.
(CVE-2016-6210)
- A denial of service vulnerability exists in the auth_password() function in auth-passwd.c due to a failure to limit password lengths for password authentication. An unauthenticated, remote attacker can exploit this, via a long string, to consume excessive CPU resources, resulting in a denial of service condition. (CVE-2016-6515)
- An unspecified flaw exists in the CBC padding oracle countermeasures that allows an unauthenticated, remote attacker to conduct a timing attack.
- A flaw exists due to improper operation ordering of MAC verification for Encrypt-then-MAC (EtM) mode transport MAC algorithms when verifying the MAC before decrypting any ciphertext. An unauthenticated, remote attacker can exploit this, via a timing attack, to disclose sensitive information.

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

See Also

<http://www.openssh.com/txt/release-7.3>

<https://marc.info/?l=openbsd-announce&m=147005433429403>

Solution

Upgrade to OpenSSH version 7.3 or later.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS Base Score

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

CVSS Temporal Score

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

References

BID	86187
BID	92212
CVE	CVE-2015-8325
CVE	CVE-2016-6515
CVE	CVE-2016-6210

Plugin Information

Published: 2016/08/29, Modified: 2019/01/02

Plugin Output

tcp/22

```
Version source      : SSH-2.0-OpenSSH_7.2
Installed version   : 7.2
Fixed version       : 7.3
```

Synopsis

The SSH server running on the remote host is affected by multiple vulnerabilities.

Description

According to its banner, the version of OpenSSH running on the remote host is prior to 7.4. It is, therefore, affected by multiple vulnerabilities :

- A flaw exists in ssh-agent due to loading PKCS#11 modules from paths that are outside a trusted whitelist.

A local attacker can exploit this, by using a crafted request to load hostile modules via agent forwarding, to execute arbitrary code. To exploit this vulnerability, the attacker would need to control the forwarded agent-socket (on the host running the sshd server) and the ability to write to the file system of the host running ssh-agent. (CVE-2016-10009)

- A flaw exists in sshd due to creating forwarded Unix-domain sockets with 'root' privileges whenever privilege separation is disabled. A local attacker can exploit this to gain elevated privileges.

(CVE-2016-10010)

- An information disclosure vulnerability exists in sshd within the realloc() function due leakage of key material to privilege-separated child processes when reading keys. A local attacker can possibly exploit this to disclose sensitive key material. Note that no such leak has been observed in practice for normal-sized keys, nor does a leak to the child processes directly expose key material to unprivileged users.

(CVE-2016-10011)

- A flaw exists in sshd within the shared memory manager used by pre-authenticating compression support due to a bounds check being elided by some optimizing compilers and due to the memory manager being incorrectly accessible when pre-authenticating compression is disabled. A local attacker can exploit this to gain elevated privileges. (CVE-2016-10012)

- A denial of service vulnerability exists in sshd when handling KEXINIT messages. An unauthenticated, remote attacker can exploit this, by sending multiple KEXINIT messages, to consume up to 128MB per connection.

- A flaw exists in sshd due to improper validation of address ranges by the AllowUser and DenyUsers directives at configuration load time. A local attacker can exploit this, via an invalid CIDR address range, to gain access to restricted areas.

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

See Also

<http://www.openssh.com/txt/release-7.4>

Solution

Upgrade to OpenSSH version 7.4 or later.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS Base Score

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

CVSS Temporal Score

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

References

BID	94968
BID	94972
BID	94975
BID	94977
CVE	CVE-2016-10009
CVE	CVE-2016-10010
CVE	CVE-2016-10011
CVE	CVE-2016-10012
XREF	EDB-ID:40962

Plugin Information

Published: 2016/12/27, Modified: 2019/02/26

Plugin Output

tcp/22

```
Version source      : SSH-2.0-OpenSSH_7.2
Installed version   : 7.2
Fixed version       : 7.4
```

34460 - Unsupported Web Server Detection

Synopsis

The remote web server is obsolete / unsupported.

Description

According to its version, the remote web server is obsolete and no 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.

Solution

Remove the service if it is no longer needed. Otherwise, upgrade to a newer 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 Base Score

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

Plugin Information

Published: 2008/10/21, Modified: 2018/06/29

Plugin Output

tcp/80

```
Product           : Apache 2.2.x
Server response header : Apache/2.2.21 (Unix) DAV/2
Supported versions  : Apache HTTP Server 2.4.x
Additional information : http://archive.apache.org/dist/httpd/Announcement2.2.html
```

Synopsis

The remote web server is affected by multiple vulnerabilities.

Description

According to its banner, the version of Apache 2.2.x installed on the remote host is prior to 2.2.22. It is, therefore, potentially affected by the following vulnerabilities :

- When configured as a reverse proxy, improper use of the RewriteRule and ProxyPassMatch directives could cause the web server to proxy requests to arbitrary hosts.

This could allow a remote attacker to indirectly send requests to intranet servers.

(CVE-2011-3368, CVE-2011-4317)

- A heap-based buffer overflow exists when mod_setenvif module is enabled and both a maliciously crafted 'SetEnvIf' directive and a maliciously crafted HTTP request header are used. (CVE-2011-3607)

- A format string handling error can allow the server to be crashed via maliciously crafted cookies.

(CVE-2012-0021)

- An error exists in 'scoreboard.c' that can allow local attackers to crash the server during shutdown.

(CVE-2012-0031)

- An error exists in 'protocol.c' that can allow 'HTTPOnly' cookies to be exposed to attackers through the malicious use of either long or malformed HTTP headers. (CVE-2012-0053)

- An error in the mod_proxy_ajp module when used to connect to a backend server that takes an overly long time to respond could lead to a temporary denial of service. (CVE-2012-4557)

Note that Nessus did not actually test for these flaws, but instead has relied on the version in the server's banner.

See Also

https://archive.apache.org/dist/httpd/CHANGES_2.2.22

http://httpd.apache.org/security/vulnerabilities_22.html

Solution

Upgrade to Apache version 2.2.22 or later.

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

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

CVSS Base Score

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

CVSS Temporal Score

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

References

BID	49957
BID	50494
BID	50802
BID	51407
BID	51705
BID	51706
BID	56753
CVE	CVE-2011-3368
CVE	CVE-2011-3607
CVE	CVE-2011-4317
CVE	CVE-2012-0021
CVE	CVE-2012-0031
CVE	CVE-2012-0053
CVE	CVE-2012-4557

Plugin Information

Published: 2012/02/02, Modified: 2018/06/29

Plugin Output

tcp/80

```
Version source      : Server: Apache/2.2.21 (Unix) DAV/2
Installed version   : 2.2.21
Fixed version       : 2.2.22
```

Synopsis

The remote web server is affected by multiple vulnerabilities.

Description

According to its banner, the version of Apache 2.2.x running on the remote host is prior to 2.2.23. It is, therefore, potentially affected by the following vulnerabilities :

- The utility 'apachectl' can receive a zero-length directory name in the LD_LIBRARY_PATH via the 'envvars' file. A local attacker with access to that utility could exploit this to load a malicious Dynamic Shared Object (DSO), leading to arbitrary code execution.

(CVE-2012-0883)

- An input validation error exists related to 'mod_negotiation', 'Multiviews' and untrusted uploads that can allow cross-site scripting attacks.

(CVE-2012-2687)

Note that Nessus has not tested for these flaws but has instead relied on the version in the server's banner.

See Also

https://archive.apache.org/dist/httpd/CHANGES_2.2.23

http://httpd.apache.org/security/vulnerabilities_22.html

Solution

Upgrade to Apache version 2.2.23 or later.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS Base Score

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

CVSS Temporal Score

References

BID	53046
BID	55131
CVE	CVE-2012-0883
CVE	CVE-2012-2687
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: 2012/09/14, Modified: 2018/06/29

Plugin Output

tcp/80

```
Version source      : Server: Apache/2.2.21 (Unix) DAV/2
Installed version  : 2.2.21
Fixed version      : 2.2.23
```

Synopsis

The remote web server is affected by multiple cross-site scripting vulnerabilities.

Description

According to its banner, the version of Apache 2.2.x running on the remote host is prior to 2.2.24. It is, therefore, potentially affected by the following cross-site scripting vulnerabilities :

- Errors exist related to the modules mod_info, mod_status, mod_imagemap, mod_ldap, and mod_proxy_ftp and unescaped hostnames and URIs that could allow cross-site scripting attacks. (CVE-2012-3499)
- An error exists related to the mod_proxy_balancer module's manager interface that could allow cross-site scripting attacks. (CVE-2012-4558)

Note that Nessus did not actually test for these issues, but instead has relied on the version in the server's banner.

See Also

https://archive.apache.org/dist/httpd/CHANGES_2.2.24

http://httpd.apache.org/security/vulnerabilities_22.html

Solution

Upgrade to Apache version 2.2.24 or later. Alternatively, ensure that the affected modules are not in use.

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 Base Score

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

CVSS Temporal Score

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

References

BID	58165
CVE	CVE-2012-3499
CVE	CVE-2012-4558
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: 2013/02/27, Modified: 2018/06/29

Plugin Output

tcp/80

```
Version source   : Server: Apache/2.2.21 (Unix) DAV/2
Installed version : 2.2.21
Fixed version    : 2.2.24
```

Synopsis

The remote web server may be affected by multiple cross-site scripting vulnerabilities.

Description

According to its banner, the version of Apache 2.2.x running on the remote host is prior to 2.2.25. It is, therefore, potentially affected by the following vulnerabilities :

- A flaw exists in the 'RewriteLog' function where it fails to sanitize escape sequences from being written to log files, making it potentially vulnerable to arbitrary command execution. (CVE-2013-1862)
- A denial of service vulnerability exists relating to the 'mod_dav' module as it relates to MERGE requests. (CVE-2013-1896)

Note that Nessus did not actually test for these issues, but instead has relied on the version in the server's banner.

See Also

https://archive.apache.org/dist/httpd/CHANGES_2.2.25

http://httpd.apache.org/security/vulnerabilities_22.html

<http://www.nessus.org/u?f050c342>

Solution

Upgrade to Apache version 2.2.25 or later. Alternatively, ensure that the affected modules are not in use.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS Base Score

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

CVSS Temporal Score

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

References

BID	59826
BID	61129
CVE	CVE-2013-1862
CVE	CVE-2013-1896

Plugin Information

Published: 2013/07/16, Modified: 2018/06/29

Plugin Output

tcp/80

```
Version source      : Server: Apache/2.2.21 (Unix) DAV/2
Installed version   : 2.2.21
Fixed version       : 2.2.25
```

Synopsis

The remote web server is affected by multiple vulnerabilities.

Description

According to its banner, the version of Apache 2.2.x running on the remote host is a version prior to 2.2.27. It is, therefore, potentially affected by the following vulnerabilities :

- A flaw exists with the 'mod_dav' module that is caused when tracking the length of CDATA that has leading white space. A remote attacker with a specially crafted DAV WRITE request can cause the service to stop responding.

(CVE-2013-6438)

- A flaw exists in 'mod_log_config' module that is caused when logging a cookie that has an unassigned value. A remote attacker with a specially crafted request can cause the service to crash. (CVE-2014-0098)

Note that Nessus did not actually test for these issues, but instead has relied on the version in the server's banner.

See Also

https://archive.apache.org/dist/httpd/CHANGES_2.2.27

http://httpd.apache.org/security/vulnerabilities_22.html

Solution

Upgrade to Apache version 2.2.27 or later. Alternatively, ensure that the affected modules are not in use.

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:N/A:L)

CVSS v3.0 Temporal Score

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

CVSS Base Score

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

CVSS Temporal Score

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

References

BID	66303
CVE	CVE-2013-6438
CVE	CVE-2014-0098

Plugin Information

Published: 2014/04/08, Modified: 2018/09/17

Plugin Output

tcp/80

```
Version source      : Server: Apache/2.2.21 (Unix) DAV/2
Installed version   : 2.2.21
Fixed version       : 2.2.27
```

Synopsis

The remote web server is affected by multiple vulnerabilities.

Description

According to its banner, the version of Apache running on the remote host is 2.2.x prior to 2.2.32. It is, therefore, affected by the following vulnerabilities :

- The Apache HTTP Server is affected by a man-in-the-middle vulnerability known as 'httproxy' due to a failure to properly resolve namespace conflicts in accordance with RFC 3875 section 4.1.18. The HTTP_PROXY environment variable is set based on untrusted user data in the 'Proxy' header of HTTP requests. The HTTP_PROXY environment variable is used by some web client libraries to specify a remote proxy server. An unauthenticated, remote attacker can exploit this, via a crafted 'Proxy' header in an HTTP request, to redirect an application's internal HTTP traffic to an arbitrary proxy server where it may be observed or manipulated.

(CVE-2016-5387)

- A flaw exists due to improper handling of whitespace patterns in user-agent headers. An unauthenticated, remote attacker can exploit this, via a specially crafted user-agent header, to cause the program to incorrectly process sequences of requests, resulting in interpreting responses incorrectly, polluting the cache, or disclosing the content from one request to a second downstream user-agent. (CVE-2016-8743)

- A CRLF injection allowing HTTP response splitting attacks for sites which use mod_userdir (CVE-2016-4975)

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

See Also

<https://httpd.apache.org/dev/dist/Announcement2.2.html>

http://httpd.apache.org/security/vulnerabilities_22.html

<https://github.com/apache/httpd/blob/2.2.x/CHANGES>

<https://www.apache.org/security/asf-httproxy-response.txt>

<https://httproxy.org>

Solution

Upgrade to Apache version 2.2.32 or later.

Note that the 'httproxy' vulnerability can be mitigated by applying the workarounds or patches as referenced in the vendor advisory asf-httproxy-response.txt.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS Base Score

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

CVSS Temporal Score

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

References

BID	91816
BID	95077
BID	105093
CVE	CVE-2016-4975
CVE	CVE-2016-5387
CVE	CVE-2016-8743
XREF	CERT:797896

Plugin Information

Published: 2017/01/12, Modified: 2019/03/27

Plugin Output

tcp/80

```
Source          : Server: Apache/2.2.21 (Unix) DAV/2
Installed version : 2.2.21
Fixed version    : 2.2.32
```

Synopsis

The web server running on the remote host is affected by an information disclosure vulnerability.

Description

The version of Apache HTTP Server running on the remote host is affected by an information disclosure vulnerability. Sending a request with HTTP headers long enough to exceed the server limit causes the web server to respond with an HTTP 400. By default, the offending HTTP header and value are displayed on the 400 error page. When used in conjunction with other attacks (e.g., cross-site scripting), this could result in the compromise of httpOnly cookies.

See Also

http://fd.the-wildcat.de/apache_e36a9cf46c.php

<http://www.nessus.org/u?e005199a>

http://httpd.apache.org/security/vulnerabilities_22.html

<http://svn.apache.org/viewvc?view=revision&revision=1235454>

Solution

Upgrade to Apache version 2.0.65 / 2.2.22 or later.

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

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

CVSS Base Score

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

CVSS Temporal Score

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

References

BID 51706

CVE CVE-2012-0053
XREF EDB-ID:18442

Plugin Information

Published: 2012/02/02, Modified: 2018/09/20

Plugin Output

tcp/80

Nessus verified this by sending a request with a long Cookie header :

```
GET / HTTP/1.1
Host: 192.168.100.5
Accept-Charset: iso-8859-1,utf-8;q=0.9,*;q=0.1
Accept-Language: en
Connection: Close
Cookie: z9=AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA...
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, */*
```

Which caused the Cookie header to be displayed in the default error page (the response shown below has been truncated) :

```
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">
<html><head>
<title>400 Bad Request</title>
</head><body>
<h1>Bad Request</h1>
<p>Your browser sent a request that this server could not understand.<br />
Size of a request header field exceeds server limit.<br />
<pre>
Cookie: z9=AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA...
```

Synopsis

The remote web server discloses information via HTTP headers.

Description

The HTTP headers sent by the remote web server disclose information that can aid an attacker, such as the server version, operating system, and module versions.

See Also

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

Solution

Change the Apache ServerTokens configuration value to 'Prod'

Risk Factor

Medium

Plugin Information

Published: 2018/01/22, Modified: 2018/01/23

Plugin Output

tcp/80

```
The Apache server listening on port 80 contains
sensitive information in the HTTP Server field.
```

```
Server: Apache/2.2.21 (Unix) DAV/2
```

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

https://www.cgisecurity.com/whitehat-mirror/WH-WhitePaper_XST_ebook.pdf

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

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

Solution

Disable these 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)

CVSS Base Score

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

CVSS 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: 2019/03/27

Plugin Output

tcp/80

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 :

```
----- snip -----
TRACE /Nessus1223569750.html HTTP/1.1
Connection: Close
Host: 192.168.100.5
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 -----
```

and received the following response from the remote server :

```
----- snip -----
HTTP/1.1 200 OK
Date: Mon, 30 Mar 2020 08:34:47 GMT
Server: Apache/2.2.21 (Unix) DAV/2
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: message/http

TRACE /Nessus1223569750.html HTTP/1.1
Connection: Keep-Alive
Host: 192.168.100.5
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 -----
```

Synopsis

The SSH server running on the remote host is affected by a security bypass vulnerability.

Description

According to its banner, the version of OpenSSH running on the remote host is prior to 7.2p2. It is, therefore, affected by a security bypass vulnerability due to improper sanitization of X11 authentication credentials. An authenticated, remote attacker can exploit this, via crafted credentials, to inject arbitrary xauth commands, resulting in gaining read and write access to arbitrary files, connecting to local ports, or performing further attacks on xauth itself. Note that exploiting this vulnerability requires X11Forwarding to have been enabled.

See Also

<http://www.openssh.com/txt/release-7.2p2>

<http://www.openssh.com/txt/x11fwd.adv>

Solution

Upgrade to OpenSSH version 7.2p2 or later.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS Base Score

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

CVSS Temporal Score

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

References

CVE	CVE-2016-3115
XREF	EDB-ID:39569

Plugin Information

Published: 2016/03/18, Modified: 2019/11/20

Plugin Output

tcp/22

```
Version source      : SSH-2.0-OpenSSH_7.2
Installed version   : 7.2
Fixed version       : 7.2p2
```

Synopsis

The SSH server running on the remote host is affected by an information disclosure vulnerability.

Description

According to its banner, the version of OpenSSH running on the remote host is prior to 7.5. It is, therefore, affected by an information disclosure vulnerability :

- An unspecified timing flaw exists in the CBC padding oracle countermeasures, within the ssh and sshd functions, that allows an unauthenticated, remote attacker to disclose potentially sensitive information.

Note that the OpenSSH client disables CBC ciphers by default. However, sshd offers them as lowest-preference options, which will be removed by default in a future release.

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

See Also

<http://www.openssh.com/txt/release-7.5>

Solution

Upgrade to OpenSSH version 7.5 or later.

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)

CVSS Base Score

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

CVSS Temporal Score

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

Plugin Information

Published: 2017/04/13, Modified: 2019/01/02

Plugin Output

tcp/22

```
Version source      : SSH-2.0-OpenSSH_7.2
Installed version   : 7.2
Fixed version       : 7.5
```

Synopsis

The SSH server running on the remote host is affected by a file creation restriction bypass vulnerability.

Description

According to its banner, the version of OpenSSH running on the remote host is prior to 7.6. It is, therefore, affected by a file creation restriction bypass vulnerability related to the 'process_open'

function in the file 'sftp-server.c' that allows authenticated users to create zero-length files regardless of configuration.

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

See Also

<http://www.nessus.org/u?09ca048b>

<http://www.nessus.org/u?96a8ea52>

<http://www.openssh.com/txt/release-7.6>

Solution

Upgrade to OpenSSH version 7.6 or later.

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 Base Score

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

CVSS Temporal Score

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

References

BID 101552
CVE CVE-2017-15906

Plugin Information

Published: 2017/10/11, Modified: 2019/11/12

Plugin Output

tcp/22

```
Version source : SSH-2.0-OpenSSH_7.2  
Installed version : 7.2  
Fixed version : 7.6
```

Synopsis

The remote web server discloses information via HTTP headers.

Description

The HTTP headers sent by the remote web server disclose information that can aid an attacker, such as the server version and languages used by the web server.

Solution

Modify the HTTP headers of the web server to not disclose detailed information about the underlying web server.

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 Base Score

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

Plugin Information

Published: 2016/01/22, Modified: 2019/04/30

Plugin Output

tcp/80

```
Server type      : Apache
Server version  : 2.2.21
Source          : 2.2.21
```


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

Plugin Information

Published: 2010/07/30, Modified: 2019/11/22

Plugin Output

tcp/80

```
URL      : http://192.168.100.5/
Version  : 2.2.21
backported : 0
modules  : DAV/2
os       : Unix
```

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

Plugin Output

tcp/0

```
The remote operating system matched the following CPE's :
```

```
cpe:/o:linux:linux_kernel:3.10
cpe:/o:linux:linux_kernel:3.13
cpe:/o:linux:linux_kernel:4.2
cpe:/o:linux:linux_kernel:4.8
```

```
Following application CPE's matched on the remote system :
```

```
cpe:/a:apache:http_server:2.2.21 -> Apache HTTP Server 2.2.21
cpe:/a:openbsd:openssh:7.2
```

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: 2011/05/23

Plugin Output

tcp/0

```
Remote device type : general-purpose  
Confidence level : 59
```

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: 2018/11/15

Plugin Output

tcp/0

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

```
08:00:27:B9:EA:73 : PCS Systemtechnik GmbH
```

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: 2018/08/13

Plugin Output

tcp/0

```
The following is a consolidated list of detected MAC addresses:  
- 08:00:27:B9:EA:73
```

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: 2019/03/19

Plugin Output

tcp/80

```
Based on the response to an OPTIONS request :
```

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

/

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

Plugin Information

Published: 2000/01/04, Modified: 2019/11/22

Plugin Output

tcp/80

```
The remote web server type is :  
Apache/2.2.21 (Unix) 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 and HTTP pipelining are enabled, etc...

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

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/01/30, Modified: 2019/11/22

Plugin Output

tcp/80

```
Response Code : HTTP/1.1 200 OK
```

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

```
SSL : no
```

```
Keep-Alive : yes
```

```
Options allowed : (Not implemented)
```

```
Headers :
```

```
Date: Mon, 30 Mar 2020 08:34:46 GMT
Server: Apache/2.2.21 (Unix) DAV/2
Content-Length: 293
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Content-Type: text/html; charset=ISO-8859-1
```

```
Response Body :
```

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">
<html>
<head>
  <title>Index of /</title>
</head>
<body>
<h1>Index of /</h1>
<ul><li><a href="cgi-bin/"> cgi-bin/</a></li>
<li><a href="favicon.ico"> favicon.ico</a></li>
<li><a href="hca.html"> hca.html</a></li>
```

```
</ul>  
</body></html>
```

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

None

CVSS v3.0 Base Score

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

CVSS Base Score

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

References

CVE	CVE-1999-0524
XREF	CWE:200

Plugin Information

Published: 1999/08/01, Modified: 2019/10/04

Plugin Output

icmp/0

```
The difference between the local and remote clocks is 1 second.
```

117886 - Local Checks Not Enabled (info)

Synopsis

Local checks were not enabled.

Description

Nessus did not enable local checks on the remote host. This does not necessarily indicate a problem with the scan. Credentials may not have been provided, local checks may not be available for the target, the target may not have been identified, or another issue may have occurred that prevented local checks from being enabled. See plugin output for details.

This plugin reports informational findings related to local checks not being enabled. For failure information, see plugin 21745 :

'Authentication Failure - Local Checks Not Run'.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2018/10/02, Modified: 2018/11/02

Plugin Output

tcp/0

```
The following issues were reported :
```

```
- Plugin      : no_local_checks_credentials.nasl
  Plugin ID   : 110723
  Plugin Name : No Credentials Provided
  Message    :
  Credentials were not provided for detected SSH service.
```

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: 2020/03/02

Plugin Output

tcp/22

```
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: 2020/03/02

Plugin Output

tcp/80

```
Port 80/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.
- Whether credentialed or third-party patch management checks are possible.
- 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: 2019/12/03

Plugin Output

tcp/0

```
Information about this scan :  
  
Nessus version : 8.9.1  
Plugin feed version : 202003280100  
Scanner edition used : Nessus Home  
Scan type : Normal  
Scan policy used : Advanced Scan  
Scanner IP : 192.168.100.4  
Port scanner(s) : nessus_syn_scanner  
Port range : default  
Thorough tests : no  
Experimental tests : no  
Paranoia level : 2
```

```
Report verbosity : 1
Safe checks : yes
Optimize the test : yes
Credentialed checks : no
Patch management checks : None
CGI scanning : disabled
Web application tests : disabled
Max hosts : 30
Max checks : 5
Recv timeout : 5
Backports : None
Allow post-scan editing: Yes
Scan Start Date : 2020/3/30 4:33 EDT
Scan duration : 76 sec
```


Synopsis

Nessus was able to find common ports used for local checks, however, no credentials were provided in the scan policy.

Description

Nessus was unable to execute credentialed checks because no credentials were provided.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2018/06/27, Modified: 2018/10/02

Plugin Output

tcp/0

```
SSH was detected on port 22 but no credentials were provided.  
SSH local checks were not enabled.
```

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: 2020/03/09

Plugin Output

tcp/0

```
Remote operating system : Linux Kernel 3.10
Linux Kernel 3.13
Linux Kernel 4.2
Linux Kernel 4.8
Confidence level : 59
Method : SinFP
```

```
The remote host is running one of these operating systems :
Linux Kernel 3.10
Linux Kernel 3.13
Linux Kernel 4.2
Linux Kernel 4.8
```

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.

Solution

Install the patches listed below.

Risk Factor

None

Plugin Information

Published: 2013/07/08, Modified: 2020/03/12

Plugin Output

tcp/0

```
. You need to take the following 2 actions :  
  
[ Apache 2.2.x < 2.2.34 Multiple Vulnerabilities (101787) ]  
+ Action to take : Upgrade to Apache version 2.2.34 or later.  
+Impact : Taking this action will resolve 28 different vulnerabilities (CVEs).  
  
[ OpenSSH < 7.6 (103781) ]  
+ Action to take : Upgrade to OpenSSH version 7.6 or later.  
+Impact : Taking this action will resolve 8 different vulnerabilities (CVEs).
```

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

```
Nessus negotiated the following encryption algorithm with the server :
```

```
The server supports the following options for kex_algorithms :
```

```
curve25519-sha256@libssh.org
diffie-hellman-group-exchange-sha256
diffie-hellman-group14-sha1
ecdh-sha2-nistp256
ecdh-sha2-nistp384
ecdh-sha2-nistp521
```

```
The server supports the following options for server_host_key_algorithms :
```

```
ecdsa-sha2-nistp256
rsa-sha2-256
rsa-sha2-512
ssh-ed25519
ssh-rsa
```

```
The server supports the following options for encryption_algorithms_client_to_server :
```

```
aes128-ctr
aes128-gcm@openssh.com
aes192-ctr
aes256-ctr
aes256-gcm@openssh.com
chacha20-poly1305@openssh.com
```

```
The server supports the following options for encryption_algorithms_server_to_client :
```

```
aes128-ctr
aes128-gcm@openssh.com
aes192-ctr
aes256-ctr
aes256-gcm@openssh.com
chacha20-poly1305@openssh.com
```

The server supports the following options for `mac_algorithms_client_to_server` :

```
hmac-sha1
hmac-sha1-etm@openssh.com
hmac-sha2-256
hmac-sha2-256-etm@openssh.com
hmac-sha2-512
hmac-sha2-512-etm@openssh.com
umac-128-etm@openssh.com
umac-128@openssh.com
umac-64-etm@openssh.com
umac-64@openssh.com
```

The server supports the following options for `mac_algorithms_server_to_client` :

```
hmac-sha1
hmac-sha1-etm@openssh.com
hmac-sha2-256
hmac-sha2-256-etm@openssh.com
hmac-sha2-512
hmac-sha2-512-etm@openssh.com
umac-128-etm@openssh.com
umac-128@openssh.com
umac-64-etm@openssh.com
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
```

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: 2020/02/18

Plugin Output

tcp/22

```
The remote SSH daemon supports the following versions of the  
SSH protocol :
```

- 1.99
- 2.0

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

Plugin Information

Published: 1999/10/12, Modified: 2019/11/22

Plugin Output

tcp/22

```
SSH version : SSH-2.0-OpenSSH_7.2  
SSH supported authentication : publickey,password,keyboard-interactive
```

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: 2020/01/27

Plugin Output

tcp/22

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


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: 2020/01/27

Plugin Output

tcp/80

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

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: 2019/03/06

Plugin Output

tcp/0

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: 2019/03/06

Plugin Output

udp/0

```
For your information, here is the traceroute from 192.168.100.4 to 192.168.100.5 :
192.168.100.4
192.168.100.5

Hop Count: 1
```

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

Remediations

Nessus Essentials

Suggested Remediations

Taking the following actions across 1 hosts would resolve 78% of the vulnerabilities on the network.

ACTION TO TAKE	VULNS	HOSTS
Apache 2.2.x < 2.2.34 Multiple Vulnerabilities: Upgrade to Apache version 2.2.34 or later.	28	1
OpenSSH < 7.6: Upgrade to OpenSSH version 7.6 or later.	8	1

Nessus Essentials