Traccia 5 – Windows 10

Report generated by Tenable Nessus™ Tue, 07 Jan 2025 23:14:07 CET

TABLE OF CONTENTS

Vulnerabilities by Host

- 192.168.50.6..... 4

Vulnerabilities by Host

192.168.50.6

5	14	22	1	99
CRITICAL	HIGH	MEDIUM	LOW	INFO

Scan Information

Start time: Tue Jan 7 23:07:07 2025
End time: Tue Jan 7 23:14:07 2025

Host Information

Netbios Name: DESKTOP-9K1O4BT
IP: 192.168.50.6
MAC Address: 08:00:27:17:CF:6D
OS: Microsoft Windows 10 Pro

Vulnerabilities

197843 - Apache Tomcat 7.0.0 < 7.0.100 multiple vulnerabilities

Synopsis

The remote Apache Tomcat server is affected by multiple vulnerabilities

Description

The version of Tomcat installed on the remote host is prior to 7.0.100. It is, therefore, affected by multiple vulnerabilities as referenced in the fixed_in_apache_tomcat_7.0.100_security-7 advisory.

- When using the Apache JServ Protocol (AJP), care must be taken when trusting incoming connections to Apache Tomcat. Tomcat treats AJP connections as having higher trust than, for example, a similar HTTP connection. If such connections are available to an attacker, they can be exploited in ways that may be surprising. In Apache Tomcat 9.0.0.M1 to 9.0.0.30, 8.5.0 to 8.5.50 and 7.0.0 to 7.0.99, Tomcat shipped with an AJP Connector enabled by default that listened on all configured IP addresses. It was expected (and recommended in the security guide) that this Connector would be disabled if not required. This vulnerability report identified a mechanism that allowed: - returning arbitrary files from anywhere in the web application - processing any file in the web application as a JSP Further, if the web application allowed file upload and stored those files within the web application (or the attacker was able to control the content of the web application by some other means) then this, along with the ability to process a file as a JSP, made remote code execution possible. It is important to note that mitigation is only required if an AJP port is accessible to untrusted users. Users wishing to take a defence-in-depth approach and block the vector that permits returning arbitrary files and execution as JSP may upgrade to Apache Tomcat 9.0.31, 8.5.51 or 7.0.100 or later. A number of changes were made to the default AJP Connector configuration in 9.0.31 to harden the default configuration. It is likely that users upgrading to 9.0.31, 8.5.51 or 7.0.100 or later will need to make small changes to their configurations.

(CVE-2020-1938)

- In Apache Tomcat 9.0.0.M1 to 9.0.30, 8.5.0 to 8.5.50 and 7.0.0 to 7.0.99 the HTTP header parsing code used an approach to end-of-line parsing that allowed some invalid HTTP headers to be parsed as valid. This led to a possibility of HTTP Request Smuggling if Tomcat was located behind a reverse proxy that incorrectly handled the invalid Transfer-Encoding header in a particular manner. Such a reverse proxy is considered unlikely. (CVE-2020-1935)

- The refactoring present in Apache Tomcat 9.0.28 to 9.0.30, 8.5.48 to 8.5.50 and 7.0.98 to 7.0.99 introduced a regression. The result of the regression was that invalid Transfer-Encoding headers were incorrectly processed leading to a possibility of HTTP Request Smuggling if Tomcat was located behind a reverse proxy that incorrectly handled the invalid Transfer-Encoding header in a particular manner. Such a reverse proxy is considered unlikely. (CVE-2019-17569)

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?f7ee9495

http://www.nessus.org/u?074f4bcc

http://www.nessus.org/u?da2f8a53

http://www.nessus.org/u?8dd243d1

http://www.nessus.org/u?e21417cd

http://www.nessus.org/u?ceb9dcd0

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

Solution

Upgrade to Apache Tomcat version 7.0.100 or later.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

VPR Score

9.0

EPSS Score

0.9741

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-2019-17569
CVE	CVE-2020-1935
CVE	CVE-2020-1938
XREF	CISA-KNOWN-EXPLOITED:2022/03/17
XREF	CEA-ID:CEA-2020-0021

Plugin Information

Published: 2024/05/23, Modified: 2024/05/24

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.100
```

111066 - Apache Tomcat 7.0.0 < 7.0.89

Synopsis

The remote Apache Tomcat server is affected by a vulnerability

Description

The version of Tomcat installed on the remote host is prior to 7.0.89. It is, therefore, affected by a vulnerability as referenced in the fixed_in_apache_tomcat_7.0.89_security-7 advisory.

- The defaults settings for the CORS filter provided in Apache Tomcat 9.0.0.M1 to 9.0.8, 8.5.0 to 8.5.31, 8.0.0.RC1 to 8.0.52, 7.0.41 to 7.0.88 are insecure and enable 'supportsCredentials' for all origins. It is expected that users of the CORS filter will have configured it appropriately for their environment rather than using it in the default configuration. Therefore, it is expected that most users will not be impacted by this issue. (CVE-2018-8014)

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

See Also

http://www.nessus.org/u?8757ab94

https://svn.apache.org/viewvc?view=rev&rev=1831730

Solution

Upgrade to Apache Tomcat version 7.0.89 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)

VPR Score

6.7

EPSS Score

0.1481

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	104203
CVE	CVE-2018-8014

Plugin Information

Published: 2018/07/24, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.89
```

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

EPSS Score

0.9741

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: 2024/12/30

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 [...]
```

171351 - Apache Tomcat SEoL (7.0.x)

Synopsis

An unsupported version of Apache Tomcat is installed on the remote host.

Description

According to its version, Apache Tomcat is 7.0.x. It is, therefore, 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.

See Also

https://tomcat.apache.org/tomcat-70-eol.html

Solution

Upgrade to a version of Apache Tomcat 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)

Plugin Information

Published: 2023/02/10, Modified: 2024/05/06

Plugin Output

tcp/8080/www

```
URL                                  : http://192.168.50.6:8080/
Installed version                    : 7.0.81
Security End of Life                 : March 31, 2021
Time since Security End of Life (Est.) : >= 3 years
```

175373 - Microsoft Message Queuing RCE (CVE-2023-21554, QueueJumper)

Synopsis

A message queuing application is affected a remote code execution vulnerability.

Description

The Microsoft Message Queuing running on the remote host is affected by a remote code execution vulnerability. An unauthenticated remote attacker can exploit this, via a specially crafted message, to execute arbitrary code on the remote host.

See Also

https://msrc.microsoft.com/update-guide/vulnerability/CVE-2023-21554

http://www.nessus.org/u?383fb650

Solution

Apply updates in accordance with the vendor advisory.

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 v3.0 Temporal Score

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

VPR Score

7.4

EPSS Score

0.1782

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

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

References

CVE	CVE-2023-21554

Plugin Information

Published: 2023/05/10, Modified: 2024/12/30

Plugin Output

tcp/1801/msmq

```
Nessus was able to detect the issue by sending a specially crafted message to remote TCP port 1801.
```

136770 - Apache Tomcat 7.0.0 < 7.0.104

Synopsis

The remote Apache Tomcat server is affected by a vulnerability

Description

The version of Tomcat installed on the remote host is prior to 7.0.104. It is, therefore, affected by a vulnerability as referenced in the fixed_in_apache_tomcat_7.0.104_security-7 advisory.

- When using Apache Tomcat versions 10.0.0-M1 to 10.0.0-M4, 9.0.0.M1 to 9.0.34, 8.5.0 to 8.5.54 and 7.0.0 to 7.0.103 if a) an attacker is able to control the contents and name of a file on the server; and b) the server is configured to use the PersistenceManager with a FileStore; and c) the PersistenceManager is configured with sessionAttributeValueClassNameFilter=null (the default unless a SecurityManager is used) or a sufficiently lax filter to allow the attacker provided object to be deserialized; and d) the attacker knows the relative file path from the storage location used by FileStore to the file the attacker has control over; then, using a specifically crafted request, the attacker will be able to trigger remote code execution via deserialization of the file under their control. Note that all of conditions a) to d) must be true for the attack to succeed. (CVE-2020-9484)

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

See Also

http://www.nessus.org/u?d383947b

Solution

Upgrade to Apache Tomcat version 7.0.104 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

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

VPR Score

6.7

EPSS Score

0.9319

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

STIG Severity

I

References

CVE	CVE-2020-9484
XREF	IAVA:2020-A-0225-S
XREF	CEA-ID:CEA-2021-0004

Plugin Information

Published: 2020/05/22, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.104
```

147163 - Apache Tomcat 7.0.0 < 7.0.108 multiple vulnerabilities

Synopsis

The remote Apache Tomcat server is affected by multiple vulnerabilities

Description

The version of Tomcat installed on the remote host is prior to 7.0.108. It is, therefore, affected by a vulnerability as referenced in the fixed_in_apache_tomcat_7.0.108_security-7 advisory.

- The fix for CVE-2020-9484 was incomplete. When using Apache Tomcat 10.0.0-M1 to 10.0.0, 9.0.0.M1 to 9.0.41, 8.5.0 to 8.5.61 or 7.0.0. to 7.0.107 with a configuration edge case that was highly unlikely to be used, the Tomcat instance was still vulnerable to CVE-2020-9494. Note that both the previously published prerequisites for CVE-2020-9484 and the previously published mitigations for CVE-2020-9484 also apply to this issue. (CVE-2021-25329)

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

See Also

http://www.nessus.org/u?e5b3746f

http://www.nessus.org/u?b7d039d2

Solution

Upgrade to Apache Tomcat version 7.0.108 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)

VPR Score

5.9

EPSS Score

0.0005

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

STIG Severity

I

References

CVE	CVE-2021-25329
XREF	IAVA:2021-A-0114-S

Plugin Information

Published: 2021/03/05, Modified: 2024/05/24

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.108
```

103782 - Apache Tomcat 7.0.0 < 7.0.82

Synopsis

The remote Apache Tomcat server is affected by a vulnerability

Description

The version of Tomcat installed on the remote host is prior to 7.0.82. It is, therefore, affected by a vulnerability as referenced in the fixed_in_apache_tomcat_7.0.82_security-7 advisory.

- When running Apache Tomcat versions 9.0.0.M1 to 9.0.0, 8.5.0 to 8.5.22, 8.0.0.RC1 to 8.0.46 and 7.0.0 to 7.0.81 with HTTP PUTs enabled (e.g. via setting the readonly initialisation parameter of the Default servlet to false) it was possible to upload a JSP file to the server via a specially crafted request. This JSP could then be requested and any code it contained would be executed by the server. (CVE-2017-12617)

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

See Also

http://www.nessus.org/u?0d247a3f

https://svn.apache.org/viewvc?view=rev&rev=1809978

https://svn.apache.org/viewvc?view=rev&rev=1809992

https://svn.apache.org/viewvc?view=rev&rev=1810014

https://svn.apache.org/viewvc?view=rev&rev=1810026

Solution

Upgrade to Apache Tomcat version 7.0.82 or later.

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

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

VPR Score

9.2

EPSS Score

0.9729

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

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

References

BID	100954
CVE	CVE-2017-12617
XREF	CISA-KNOWN-EXPLOITED:2022/04/15
XREF	CEA-ID:CEA-2019-0240

Exploitable With

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

Plugin Information

Published: 2017/10/11, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.82
```

124064 - Apache Tomcat 7.0.0 < 7.0.94 multiple vulnerabilities

Synopsis

The remote Apache Tomcat server is affected by multiple vulnerabilities

Description

The version of Tomcat installed on the remote host is prior to 7.0.94. It is, therefore, affected by multiple vulnerabilities as referenced in the fixed_in_apache_tomcat_7.0.94_security-7 advisory.

- When running on Windows with enableCmdLineArguments enabled, the CGI Servlet in Apache Tomcat 9.0.0.M1 to 9.0.17, 8.5.0 to 8.5.39 and 7.0.0 to 7.0.93 is vulnerable to Remote Code Execution due to a bug in the way the JRE passes command line arguments to Windows. The CGI Servlet is disabled by default. The CGI option enableCmdLineArguments is disable by default in Tomcat 9.0.x (and will be disabled by default in all versions in response to this vulnerability). For a detailed explanation of the JRE behaviour, see Markus Wulftange's blog (https://codewhitesec.blogspot.com/2016/02/java-and-command-line-injections-in- windows.html) and this archived MSDN blog (https://web.archive.org/web/20161228144344/https://blogs.msdn.m icrosoft.com/twistylittlepassagesallalike/2011/04/23/everyone-quotes-command-line-arguments-the-wrong- way/). (CVE-2019-0232)

- The SSI printenv command in Apache Tomcat 9.0.0.M1 to 9.0.0.17, 8.5.0 to 8.5.39 and 7.0.0 to 7.0.93 echoes user provided data without escaping and is, therefore, vulnerable to XSS. SSI is disabled by default. The printenv command is intended for debugging and is unlikely to be present in a production website.

(CVE-2019-0221)

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?20cc80d0

http://www.nessus.org/u?3ba5edc6

http://www.nessus.org/u?41dddb4b

http://www.nessus.org/u?86be7b05

http://www.nessus.org/u?afa7a4e1

Solution

Upgrade to Apache Tomcat version 7.0.94 or later.

Risk Factor

High

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

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

VPR Score

8.4

EPSS Score

0.9737

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

BID	107906
CVE	CVE-2019-0221
CVE	CVE-2019-0232
XREF	CEA-ID:CEA-2021-0025

Exploitable With

Metasploit (true)

Plugin Information

Published: 2019/04/16, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.94
```

197838 - Apache Tomcat 7.0.0 < 7.0.99 multiple vulnerabilities

Synopsis

The remote Apache Tomcat server is affected by multiple vulnerabilities

Description

The version of Tomcat installed on the remote host is prior to 7.0.99. It is, therefore, affected by multiple vulnerabilities as referenced in the fixed_in_apache_tomcat_7.0.99_security-7 advisory.

- When using FORM authentication with Apache Tomcat 9.0.0.M1 to 9.0.29, 8.5.0 to 8.5.49 and 7.0.0 to 7.0.98 there was a narrow window where an attacker could perform a session fixation attack. The window was considered too narrow for an exploit to be practical but, erring on the side of caution, this issue has been treated as a security vulnerability. (CVE-2019-17563)

- When Apache Tomcat 9.0.0.M1 to 9.0.28, 8.5.0 to 8.5.47, 7.0.0 and 7.0.97 is configured with the JMX Remote Lifecycle Listener, a local attacker without access to the Tomcat process or configuration files is able to manipulate the RMI registry to perform a man-in-the-middle attack to capture user names and passwords used to access the JMX interface. The attacker can then use these credentials to access the JMX interface and gain complete control over the Tomcat instance. (CVE-2019-12418)

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?e1ae8f83

http://www.nessus.org/u?415f06c9

http://www.nessus.org/u?32c29167

Solution

Upgrade to Apache Tomcat version 7.0.99 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

EPSS Score

0.0049

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

CVE	CVE-2019-12418
CVE	CVE-2019-12418
CVE	CVE-2019-17563
XREF	CEA-ID:CEA-2021-0004

Plugin Information

Published: 2024/05/23, Modified: 2024/05/24

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.99
```

197826 - Apache Tomcat 7.0.25 < 7.0.90

Synopsis

The remote Apache Tomcat server is affected by a vulnerability

Description

The version of Tomcat installed on the remote host is prior to 7.0.90. It is, therefore, affected by a vulnerability as referenced in the fixed_in_apache_tomcat_7.0.90_security-7 advisory.

- The host name verification when using TLS with the WebSocket client was missing. It is now enabled by default. Versions Affected: Apache Tomcat 9.0.0.M1 to 9.0.9, 8.5.0 to 8.5.31, 8.0.0.RC1 to 8.0.52, and 7.0.35 to 7.0.88. (CVE-2018-8034)

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

See Also

https://svn.apache.org/viewvc?view=rev&rev=1833760

http://www.nessus.org/u?45836195

Solution

Upgrade to Apache Tomcat version 7.0.90 or later.

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 v3.0 Temporal Score

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

VPR Score

4.4

EPSS Score

0.0056

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

CVE	CVE-2018-8034

Plugin Information

Published: 2024/05/23, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.90
```

138851 - Apache Tomcat 7.0.27 < 7.0.105

Synopsis

The remote Apache Tomcat server is affected by a vulnerability

Description

The version of Tomcat installed on the remote host is prior to 7.0.105. It is, therefore, affected by a vulnerability as referenced in the fixed_in_apache_tomcat_7.0.105_security-7 advisory.

- The payload length in a WebSocket frame was not correctly validated in Apache Tomcat 10.0.0-M1 to 10.0.0-M6, 9.0.0.M1 to 9.0.36, 8.5.0 to 8.5.56 and 7.0.27 to 7.0.104. Invalid payload lengths could trigger an infinite loop. Multiple requests with invalid payload lengths could lead to a denial of service. (CVE-2020-13935)

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

See Also

http://www.nessus.org/u?dd4dee09

http://www.nessus.org/u?81ec7286

http://www.nessus.org/u?58ae3a4f

Solution

Upgrade to Apache Tomcat version 7.0.105 or later.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

VPR Score

3.6

EPSS Score

0.4674

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)

References

CVE	CVE-2020-13935
XREF	CEA-ID:CEA-2021-0004

Plugin Information

Published: 2020/07/23, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.105
```

121121 - Apache Tomcat 7.0.28 < 7.0.88

Synopsis

The remote Apache Tomcat server is affected by a vulnerability

Description

The version of Tomcat installed on the remote host is prior to 7.0.88. It is, therefore, affected by a vulnerability as referenced in the fixed_in_apache_tomcat_7.0.88_security-7 advisory.

- An improper handing of overflow in the UTF-8 decoder with supplementary characters can lead to an infinite loop in the decoder causing a Denial of Service. Versions Affected: Apache Tomcat 9.0.0.M9 to 9.0.7, 8.5.0 to 8.5.30, 8.0.0.RC1 to 8.0.51, and 7.0.28 to 7.0.86. (CVE-2018-1336)

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

See Also

http://www.nessus.org/u?109a1a95

https://svn.apache.org/viewvc?view=rev&rev=1830376

Solution

Upgrade to Apache Tomcat version 7.0.88 or later.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

VPR Score

3.6

EPSS Score

0.0179

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)

References

CVE	CVE-2018-1336

Plugin Information

Published: 2019/01/11, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.88
```

97833 - MS17-010: Security Update for Microsoft Windows SMB Server (4013389) (ETERNALBLUE) (ETERNALCHAMPION) (ETERNALROMANCE) (ETERNALSYNERGY) (WannaCry) (EternalRocks) (Petya) (uncredentialed check)

Synopsis

The remote Windows host is affected by multiple vulnerabilities.

Description

The remote Windows host is affected by the following vulnerabilities :

- Multiple remote code execution vulnerabilities exist in Microsoft Server Message Block 1.0 (SMBv1) due to improper handling of certain requests. An unauthenticated, remote attacker can exploit these vulnerabilities, via a specially crafted packet, to execute arbitrary code. (CVE-2017-0143, CVE-2017-0144, CVE-2017-0145, CVE-2017-0146, CVE-2017-0148)

- An information disclosure vulnerability exists in Microsoft Server Message Block 1.0 (SMBv1) due to improper handling of certain requests. An unauthenticated, remote attacker can exploit this, via a specially crafted packet, to disclose sensitive information. (CVE-2017-0147)

ETERNALBLUE, ETERNALCHAMPION, ETERNALROMANCE, and ETERNALSYNERGY are four of multiple Equation Group vulnerabilities and exploits disclosed on 2017/04/14 by a group known as the Shadow Brokers. WannaCry / WannaCrypt is a ransomware program utilizing the ETERNALBLUE exploit, and EternalRocks is a worm that utilizes seven Equation Group vulnerabilities. Petya is a ransomware program that first utilizes CVE-2017-0199, a vulnerability in Microsoft Office, and then spreads via ETERNALBLUE.

See Also

http://www.nessus.org/u?68fc8eff

http://www.nessus.org/u?321523eb

http://www.nessus.org/u?065561d0

http://www.nessus.org/u?d9f569cf

https://blogs.technet.microsoft.com/filecab/2016/09/16/stop-using-smb1/

http://www.nessus.org/u?b9d9ebf9

http://www.nessus.org/u?8dcab5e4

http://www.nessus.org/u?234f8ef8

http://www.nessus.org/u?4c7e0cf3

https://github.com/stamparm/EternalRocks/

http://www.nessus.org/u?59db5b5b

Solution

Microsoft has released a set of patches for Windows Vista, 2008, 7, 2008 R2, 2012, 8.1, RT 8.1, 2012 R2, 10, and 2016. Microsoft has also released emergency patches for Windows operating systems that are no longer supported, including Windows XP, 2003, and 8.

For unsupported Windows operating systems, e.g. Windows XP, Microsoft recommends that users discontinue the use of SMBv1. SMBv1 lacks security features that were included in later SMB versions.

SMBv1 can be disabled by following the vendor instructions provided in Microsoft KB2696547. Additionally, US-CERT recommends that users block SMB directly by blocking TCP port 445 on all network boundary devices. For SMB over the NetBIOS API, block TCP ports 137 / 139 and UDP ports 137 / 138 on all network boundary devices.

Risk Factor

High

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

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

VPR Score

9.8

EPSS Score

0.9714

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

STIG Severity

I

References

BID	96703
BID	96704
BID	96705
BID	96706
BID	96707
BID	96709
CVE	CVE-2017-0143
CVE	CVE-2017-0144
CVE	CVE-2017-0145

CVE	CVE-2017-0146
CVE	CVE-2017-0147
CVE	CVE-2017-0148
MSKB	4012212
MSKB	4012213
MSKB	4012214
MSKB	4012215
MSKB	4012216
MSKB	4012217
MSKB	4012606
MSKB	4013198
MSKB	4013429
MSKB	4012598
XREF	EDB-ID:41891
XREF	EDB-ID:41987
XREF	MSFT:MS17-010
XREF	IAVA:2017-A-0065
XREF	CISA-KNOWN-EXPLOITED:2022/05/03
XREF	CISA-KNOWN-EXPLOITED:2022/08/10
XREF	CISA-KNOWN-EXPLOITED:2022/04/15
XREF	CISA-KNOWN-EXPLOITED:2022/04/27
XREF	CISA-KNOWN-EXPLOITED:2022/06/14

Exploitable With

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

Plugin Information

Published: 2017/03/20, Modified: 2022/05/25

Plugin Output

tcp/445/cifs

```
Sent:
00000054ff534d4225000000001803c800000000000000000000000000008bc070008000110000000
00ffffffff0000000000000000000000005400000054000200230000001100005c00500049005000
45005c0000000000

Received:
ff534d4225050200c09803c800000000000000000000000000008bc0700080001000000
```

100464 - Microsoft Windows SMBv1 Multiple Vulnerabilities

Synopsis

The remote Windows host is affected by multiple vulnerabilities.

Description

The remote Windows host has Microsoft Server Message Block 1.0 (SMBv1) enabled. It is, therefore, affected by multiple vulnerabilities :

- Multiple information disclosure vulnerabilities exist in Microsoft Server Message Block 1.0 (SMBv1) due to improper handling of SMBv1 packets. An unauthenticated, remote attacker can exploit these vulnerabilities, via a specially crafted SMBv1 packet, to disclose sensitive information. (CVE-2017-0267, CVE-2017-0268, CVE-2017-0270, CVE-2017-0271, CVE-2017-0274, CVE-2017-0275, CVE-2017-0276)

- Multiple denial of service vulnerabilities exist in Microsoft Server Message Block 1.0 (SMBv1) due to improper handling of requests. An unauthenticated, remote attacker can exploit these vulnerabilities, via a specially crafted SMB request, to cause the system to stop responding. (CVE-2017-0269, CVE-2017-0273, CVE-2017-0280)

- Multiple remote code execution vulnerabilities exist in Microsoft Server Message Block 1.0 (SMBv1) due to improper handling of SMBv1 packets. An unauthenticated, remote attacker can exploit these vulnerabilities, via a specially crafted SMBv1 packet, to execute arbitrary code. (CVE-2017-0272, CVE-2017-0277, CVE-2017-0278, CVE-2017-0279)

Depending on the host's security policy configuration, this plugin cannot always correctly determine if the Windows host is vulnerable if the host is running a later Windows version (i.e., Windows 8.1, 10, 2012, 2012 R2, and 2016) specifically that named pipes and shares are allowed to be accessed remotely and anonymously. Tenable does not recommend this configuration, and the hosts should be checked locally for patches with one of the following plugins, depending on the Windows version : 100054, 100055, 100057, 100059, 100060, or 100061.

See Also

http://www.nessus.org/u?c21268d4

http://www.nessus.org/u?b9253982

http://www.nessus.org/u?23802c83

http://www.nessus.org/u?8313bb60

http://www.nessus.org/u?7677c678

http://www.nessus.org/u?36da236c

http://www.nessus.org/u?0981b934

http://www.nessus.org/u?c88efefa

http://www.nessus.org/u?695bf5cc

http://www.nessus.org/u?459a1e8c

http://www.nessus.org/u?ea45bbc5

http://www.nessus.org/u?4195776a

http://www.nessus.org/u?fbf092cf

http://www.nessus.org/u?8c0cc566

Solution

Apply the applicable security update for your Windows version :

- Windows Server 2008 : KB4018466
- Windows 7 : KB4019264
- Windows Server 2008 R2 : KB4019264
- Windows Server 2012 : KB4019216
- Windows 8.1 / RT 8.1. : KB4019215
- Windows Server 2012 R2 : KB4019215
- Windows 10 : KB4019474
- Windows 10 Version 1511 : KB4019473
- Windows 10 Version 1607 : KB4019472
- Windows 10 Version 1703 : KB4016871
- Windows Server 2016 : KB4019472

Risk Factor

High

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)

VPR Score

6.7

EPSS Score

0.0641

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

BID	98259
BID	98260
BID	98261
BID	98263
BID	98264
BID	98265
BID	98266
BID	98267
BID	98268
BID	98270
BID	98271
BID	98272
BID	98273
BID	98274
CVE	CVE-2017-0267
CVE	CVE-2017-0268
CVE	CVE-2017-0269
CVE	CVE-2017-0270
CVE	CVE-2017-0271
CVE	CVE-2017-0272
CVE	CVE-2017-0273
CVE	CVE-2017-0274
CVE	CVE-2017-0275
CVE	CVE-2017-0276
CVE	CVE-2017-0277
CVE	CVE-2017-0278
CVE	CVE-2017-0279
CVE	CVE-2017-0280
MSKB	4016871
MSKB	4018466
MSKB	4019213
MSKB	4019214
MSKB	4019215
MSKB	4019216
MSKB	4019263
MSKB	4019264
MSKB	4019472
MSKB	4019473
MSKB	4019474

Plugin Information

Published: 2017/05/26, Modified: 2019/11/13

Plugin Output

tcp/445/cifs

10483 - PostgreSQL Default Unpassworded Account

Synopsis

The remote database server can be accessed without a password.

Description

It is possible to connect to the remote PostgreSQL database server using an unpassworded account. This may allow an attacker to launch further attacks against the database.

Solution

Log into this host and set a password for any affected accounts using the 'ALTER USER' command.

In addition, configure the service by editing the file 'pg_hba.conf'

to require a password (or Kerberos) authentication for all remote hosts that have legitimate access to this service and to require a password locally using the line 'local all password'.

Risk Factor

High

VPR Score

5.9

EPSS Score

0.0004

CVSS v2.0 Base Score

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

References

CVE CVE-1999-0508

Exploitable With

Metasploit (true)

Plugin Information

Published: 2000/07/27, Modified: 2022/04/11

Plugin Output

tcp/5432/postgresql

```
Nessus was able to log in as the user 'postgres'.

Here is the list of the databases on the remote host :

. ctype
```

35291 - SSL Certificate Signed Using Weak Hashing Algorithm

Synopsis

An SSL certificate in the certificate chain has been signed using a weak hash algorithm.

Description

The remote service uses an SSL certificate chain that has been signed using a cryptographically weak hashing algorithm (e.g. MD2, MD4, MD5, or SHA1). These signature algorithms are known to be vulnerable to collision attacks. An attacker can exploit this to generate another certificate with the same digital signature, allowing an attacker to masquerade as the affected service.

Note that this plugin reports all SSL certificate chains signed with SHA-1 that expire after January 1, 2017 as vulnerable. This is in accordance with Google's gradual sunsetting of the SHA-1 cryptographic hash algorithm.

Note that certificates in the chain that are contained in the Nessus CA database (known_CA.inc) have been ignored.

See Also

https://tools.ietf.org/html/rfc3279

http://www.nessus.org/u?9bb87bf2

http://www.nessus.org/u?e120eea1

http://www.nessus.org/u?5d894816

http://www.nessus.org/u?51db68aa

http://www.nessus.org/u?9dc7bfba

Solution

Contact the Certificate Authority to have the SSL certificate reissued.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

VPR Score

4.2

EPSS Score

0.0729

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

BID	11849
BID	33065
CVE	CVE-2004-2761
CVE	CVE-2005-4900
XREF	CERT:836068
XREF	CWE:310

Plugin Information

Published: 2009/01/05, Modified: 2023/12/15

Plugin Output

tcp/3389/msrdp

```
The following certificates were part of the certificate chain sent by
the remote host, but contain hashes that are considered to be weak.

Subject             : CN=DESKTOP-9K1O4BT
Signature Algorithm : SHA-1 With RSA Encryption
Valid From          : Dec 18 16:39:05 2024 GMT
Valid To            : Jun 19 16:39:05 2025 GMT
Raw PEM certificate :
-----BEGIN CERTIFICATE-----
MIIC4jCCAcqgAwIBAgIQXWih6lYvA75ByY1dUHWIoDANBgkqhkiG9w0BAQUFADAaMRgwFgYDVQQDEw9ERVNLVE9QLTlLMU80QlQwHhcNMjQxMjE4MT
+hs0wfMNTr4eEK1hTgvOvEsDcvsB/pWTwtVrumMbjtLJLA2R5//H92+pBR6E4SCWRHBJnTzRNgcezKUV0MQBOu
+3NvGZ6jYEFytuCWZmiTSXvYnqYaXP
+YWGdiIFCho82HC2GYncarxZbJEFXlRT8BYKqTzkGCTR7jTPxfrB3Hi0SWDOn3OrTG4+lOUq2M/R3y1Pdx/
PzZ7SMTHpM8acBo7oraJQN8Pg8Yu4re62uhSHIqUebI/
IZDAgMBAAGjJDAiMBMGA1UdJQQMMAoGCCsGAQUFBwMBMAsGA1UdDwQEAwIEMDANBgkqhkiG9w0BAQUFAAOCAQEAqzeLb50DLYRezGyTdOs18Oegy/
GhUi5Fj5L4/WQUaHwpbY1iMytGpWMOSRBz1Lzh6Uw33TRMmKLnN3OjDwWyXOc8FxoB1ZWxkIZ+XUpFJSoC5omBUcw2zbuWy/
kz2/okAWpSdWJXzNiFvLNshh2wcgsD3VllHwO/AAw+dVz/Ez+QYFVGiU23YB++zkgPr59vK/T/
byKqYDjvw5GOzzypX40+LibzV3+atdYRNLnlVJVn3aB1dY7AKjbC/pOwuanYnLj/jM54ZPIt4nb9CRPGgWaz2FemLFsfEewj2e/
c9oYkRvS/oDLhhEC8nbm2a9mfYfpsP7Wx62fnSHNqo0nWQw==
-----END CERTIFICATE-----
```

35291 - SSL Certificate Signed Using Weak Hashing Algorithm

Synopsis

An SSL certificate in the certificate chain has been signed using a weak hash algorithm.

Description

The remote service uses an SSL certificate chain that has been signed using a cryptographically weak hashing algorithm (e.g. MD2, MD4, MD5, or SHA1). These signature algorithms are known to be vulnerable to collision attacks. An attacker can exploit this to generate another certificate with the same digital signature, allowing an attacker to masquerade as the affected service.

Note that this plugin reports all SSL certificate chains signed with SHA-1 that expire after January 1, 2017 as vulnerable. This is in accordance with Google's gradual sunsetting of the SHA-1 cryptographic hash algorithm.

Note that certificates in the chain that are contained in the Nessus CA database (known_CA.inc) have been ignored.

See Also

https://tools.ietf.org/html/rfc3279

http://www.nessus.org/u?9bb87bf2

http://www.nessus.org/u?e120eea1

http://www.nessus.org/u?5d894816

http://www.nessus.org/u?51db68aa

http://www.nessus.org/u?9dc7bfba

Solution

Contact the Certificate Authority to have the SSL certificate reissued.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

VPR Score

4.2

EPSS Score

0.0729

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

BID	11849
BID	33065
CVE	CVE-2004-2761
CVE	CVE-2005-4900
XREF	CERT:836068
XREF	CWE:310

Plugin Information

Published: 2009/01/05, Modified: 2023/12/15

Plugin Output

tcp/8443/www

```
The following certificates were part of the certificate chain sent by
the remote host, but contain hashes that are considered to be weak.

Subject             : CN=DESKTOP-9K1O4BT
Signature Algorithm : SHA-1 With RSA Encryption
Valid From          : Jul 09 16:53:31 2024 GMT
Valid To            : Jul 09 16:53:31 2029 GMT
Raw PEM certificate :
-----BEGIN CERTIFICATE-----
MIIC1TCCAb2gAwIBAgIQXoflXzQRGYFNruml9DgimjANBgkqhkiG9w0BAQUFADAaMRgwFgYDVQQDEw9ERVNLVE9QLTlLMU80QlQwHhcNMjQwNzA5MT
D5r4IBCQ9Pyz3hXPegxj6ADuSmkz4QPfRNwU2Rcak8Mv7tACpzPn2D0wCDAP/
alwtf2qlMep8Xo8giesl6dr57KqmCaz1mN9fIz2bgQOlq4qzUZKO9uyWoNhvd0zSrtvLHzZc
+8DA3D6zblpg4vXhRluI39+4YC1KiXNYmDONIkPiBt96jdQ6FKuo8DDbDiVGuzNrMi+eFQlta
+WeIkxkJbbV0DhJZZoXdaUlEmOUmBwxCr8MoTKxO3lWBAP
+yZWCSN2hzYbPCc3yao17mN88rAgMBAAGjFzAVMBMGA1UdJQQMMAoGCCsGAQUFBwMBMA0GCSqGSIb3DQEBBQUAA4IBAQBPwJyX3afGeEcFMqCoJNF8
rIzUm0Rgpy0yMOrmHag9T1YgsTysJk0dWwbB751CV3mNvQjAqwDF0KntW1eyiMQR8sJ19rZMkoccy9lWDlOfVEmqXw4kYGYa7fji6DZyLGRtg4XrCC
+ybP/m9LGxulgd/UN+d1SbGozpEsaWGH7Lh0OuRgQ4rwY58a6SaFpZ6jkWxuVae95zwQYv4856MBfYvo9jqM1tVH9DBFZv5qv5/
Y9qJTNYkeWiv+WQShqyLhAnH0hX
-----END CERTIFICATE-----
```

42873 - SSL Medium Strength Cipher Suites Supported (SWEET32)

Synopsis

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

Description

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

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

See Also

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

https://sweet32.info

Solution

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

Risk Factor

Medium

CVSS v3.0 Base Score

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

VPR Score

5.1

EPSS Score

0.0398

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/3389/msrdp

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

    Name                          Code              KEX           Auth      Encryption              MAC
    ----------------------        ----------        ---           ----      ---------------------   ---
    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}
```

148405 - Apache Tomcat 7.0.0 < 7.0.107

Synopsis

The remote Apache Tomcat server is affected by a vulnerability

Description

The version of Tomcat installed on the remote host is prior to 7.0.107. It is, therefore, affected by a vulnerability as referenced in the fixed_in_apache_tomcat_7.0.107_security-7 advisory.

- When serving resources from a network location using the NTFS file system, Apache Tomcat versions 10.0.0-M1 to 10.0.0-M9, 9.0.0.M1 to 9.0.39, 8.5.0 to 8.5.59 and 7.0.0 to 7.0.106 were susceptible to JSP source code disclosure in some configurations. The root cause was the unexpected behaviour of the JRE API File.getCanonicalPath() which in turn was caused by the inconsistent behaviour of the Windows API (FindFirstFileW) in some circumstances. (CVE-2021-24122)

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

See Also

http://www.nessus.org/u?f528c7ca

http://www.nessus.org/u?3e377be0

Solution

Upgrade to Apache Tomcat version 7.0.107 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)

VPR Score

3.6

EPSS Score

0.0029

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

CVE	CVE-2021-24122

Plugin Information

Published: 2021/04/09, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.107
```

106975 - Apache Tomcat 7.0.0 < 7.0.85 multiple vulnerabilities

Synopsis

The remote Apache Tomcat server is affected by multiple vulnerabilities

Description

The version of Tomcat installed on the remote host is prior to 7.0.85. It is, therefore, affected by multiple vulnerabilities as referenced in the fixed_in_apache_tomcat_7.0.85_security-7 advisory.

- Security constraints defined by annotations of Servlets in Apache Tomcat 9.0.0.M1 to 9.0.4, 8.5.0 to 8.5.27, 8.0.0.RC1 to 8.0.49 and 7.0.0 to 7.0.84 were only applied once a Servlet had been loaded. Because security constraints defined in this way apply to the URL pattern and any URLs below that point, it was possible - depending on the order Servlets were loaded - for some security constraints not to be applied.

This could have exposed resources to users who were not authorised to access them. (CVE-2018-1305)

- The URL pattern of (the empty string) which exactly maps to the context root was not correctly handled in Apache Tomcat 9.0.0.M1 to 9.0.4, 8.5.0 to 8.5.27, 8.0.0.RC1 to 8.0.49 and 7.0.0 to 7.0.84 when used as part of a security constraint definition. This caused the constraint to be ignored. It was, therefore, possible for unauthorised users to gain access to web application resources that should have been protected. Only security constraints with a URL pattern of the empty string were affected. (CVE-2018-1304)

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?df8da972

https://bz.apache.org/bugzilla/show_bug.cgi?id=62067

https://svn.apache.org/viewvc?view=rev&rev=1823309

https://svn.apache.org/viewvc?view=rev&rev=1823322

https://svn.apache.org/viewvc?view=rev&rev=1824360

Solution

Upgrade to Apache Tomcat version 7.0.85 or later.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

VPR Score

4.4

EPSS Score

0.0048

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

CVE	CVE-2018-1304
CVE	CVE-2018-1305

Plugin Information

Published: 2018/02/23, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL              : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.85
```

118035 - Apache Tomcat 7.0.23 < 7.0.91

Synopsis

The remote Apache Tomcat server is affected by a vulnerability

Description

The version of Tomcat installed on the remote host is prior to 7.0.91. It is, therefore, affected by a vulnerability as referenced in the fixed_in_apache_tomcat_7.0.91_security-7 advisory.

- When the default servlet in Apache Tomcat versions 9.0.0.M1 to 9.0.11, 8.5.0 to 8.5.33 and 7.0.23 to 7.0.90 returned a redirect to a directory (e.g. redirecting to '/foo/' when the user requested '/foo') a specially crafted URL could be used to cause the redirect to be generated to any URI of the attackers choice. (CVE-2018-11784)

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

See Also

http://www.nessus.org/u?f0da50c8

https://svn.apache.org/viewvc?view=rev&rev=1840057

Solution

Upgrade to Apache Tomcat version 7.0.91 or later.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

VPR Score

2.9

EPSS Score

0.892

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

CVE	CVE-2018-11784

Plugin Information

Published: 2018/10/10, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.91
```

106710 - Apache Tomcat 7.0.79 < 7.0.84

Synopsis

The remote Apache Tomcat server is affected by a vulnerability

Description

The version of Tomcat installed on the remote host is prior to 7.0.84. It is, therefore, affected by a vulnerability as referenced in the fixed_in_apache_tomcat_7.0.84_security-7 advisory.

- As part of the fix for bug 61201, the documentation for Apache Tomcat 9.0.0.M22 to 9.0.1, 8.5.16 to 8.5.23, 8.0.45 to 8.0.47 and 7.0.79 to 7.0.82 included an updated description of the search algorithm used by the CGI Servlet to identify which script to execute. The update was not correct. As a result, some scripts may have failed to execute as expected and other scripts may have been executed unexpectedly. Note that the behaviour of the CGI servlet has remained unchanged in this regard. It is only the documentation of the behaviour that was wrong and has been corrected. (CVE-2017-15706)

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

See Also

http://www.nessus.org/u?8cd0a415

https://bz.apache.org/bugzilla/show_bug.cgi?id=61201

https://svn.apache.org/viewvc?view=rev&rev=1814828

Solution

Upgrade to Apache Tomcat version 7.0.84 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)

VPR Score

1.4

EPSS Score

0.0032

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

CVE	CVE-2017-15706

Plugin Information

Published: 2018/02/09, Modified: 2024/05/23

Plugin Output

tcp/8080/www

```
URL               : http://192.168.50.6:8080/
Installed version : 7.0.81
Fixed version     : 7.0.84
```

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: 2024/09/03

Plugin Output

tcp/8080/www

```
The following default files were found :

http://192.168.50.6:8080/docs/
http://192.168.50.6:8080/examples/servlets/index.html
http://192.168.50.6:8080/examples/jsp/index.html
http://192.168.50.6:8080/examples/websocket/index.xhtml
```

```
The server is not configured to return a custom page in the event of a client requesting a non-
existent resource.
This may result in a potential disclosure of sensitive information about the server to attackers.
```

10043 - Chargen UDP Service Remote DoS

Synopsis

The remote host is running a 'chargen' service.

Description

When contacted, chargen responds with some random characters (something like all the characters in the alphabet in a row). When contacted via UDP, it will respond with a single UDP packet. When contacted via TCP, it will continue spewing characters until the client closes the connection.

The purpose of this service was to mostly test the TCP/IP protocol by itself, to make sure that all the packets were arriving at their destination unaltered. It is unused these days, so it is suggested you disable it, as an attacker may use it to set up an attack against this host, or against a third-party host using this host as a relay.

An easy attack is 'ping-pong' in which an attacker spoofs a packet between two machines running chargen. This will cause them to spew characters at each other, slowing the machines down and saturating the network.

See Also

http://www.nessus.org/u?f0dbdf05

Solution

- Under Unix systems, comment out the 'chargen' line in /etc/inetd.conf and restart the inetd process

- Under Windows systems, set the following registry keys to 0 :

HKLM\System\CurrentControlSet\Services\SimpTCP\Parameters\EnableTcpChargen HKLM\System \CurrentControlSet\Services\SimpTCP\Parameters\EnableUdpChargen

Then launch cmd.exe and type :

net stop simptcp net start simptcp

To restart the service.

Risk Factor

Medium

VPR Score

3.6

EPSS Score

0.8755

CVSS v2.0 Base Score

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

References

CVE	CVE-1999-0103

Exploitable With

Metasploit (true)

Plugin Information

Published: 1999/11/29, Modified: 2020/06/12

Plugin Output

udp/19

10061 - Echo Service Detection

Synopsis

An echo service is running on the remote host.

Description

The remote host is running the 'echo' service. This service echoes any data which is sent to it.

This service is unused these days, so it is strongly advised that you disable it, as it may be used by attackers to set up denial of services attacks against this host.

Solution

Below are some examples of how to disable the echo service on some common platforms, however many services can exhibit this behavior and the list below is not exhaustive.

Consult vendor documentation for the service exhibiting the echo behavior for more information.

- Under Unix systems, comment out the 'echo' line in /etc/inetd.conf and restart the inetd process.

- Under Ubuntu systems, comment out the 'echo' line in /etc/systemd/system.conf and retart the systemd service.

- Under Windows systems, set the following registry key to 0 :

HKLM\System\CurrentControlSet\Services\SimpTCP\Parameters\EnableTcpEcho HKLM\System \CurrentControlSet\Services\SimpTCP\Parameters\EnableUdpEcho

Then launch cmd.exe and type :

net stop simptcp net start simptcp

To restart the service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

VPR Score

4.2

EPSS Score

0.8755

CVSS v2.0 Base Score

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

References

CVE	CVE-1999-0103
CVE	CVE-1999-0635

Plugin Information

Published: 1999/06/22, Modified: 2020/06/12

Plugin Output

tcp/7/echo

10061 - Echo Service Detection

Synopsis

An echo service is running on the remote host.

Description

The remote host is running the 'echo' service. This service echoes any data which is sent to it.

This service is unused these days, so it is strongly advised that you disable it, as it may be used by attackers to set up denial of services attacks against this host.

Solution

Below are some examples of how to disable the echo service on some common platforms, however many services can exhibit this behavior and the list below is not exhaustive.

Consult vendor documentation for the service exhibiting the echo behavior for more information.

- Under Unix systems, comment out the 'echo' line in /etc/inetd.conf and restart the inetd process.

- Under Ubuntu systems, comment out the 'echo' line in /etc/systemd/system.conf and retart the systemd service.

- Under Windows systems, set the following registry key to 0 :

HKLM\System\CurrentControlSet\Services\SimpTCP\Parameters\EnableTcpEcho HKLM\System \CurrentControlSet\Services\SimpTCP\Parameters\EnableUdpEcho

Then launch cmd.exe and type :

net stop simptcp net start simptcp

To restart the service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

VPR Score

4.2

EPSS Score

0.8755

CVSS v2.0 Base Score

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

References

CVE	CVE-1999-0103
CVE	CVE-1999-0635

Plugin Information

Published: 1999/06/22, Modified: 2020/06/12

Plugin Output

udp/7

90510 - MS16-047: Security Update for SAM and LSAD Remote Protocols (3148527) (Badlock) (uncredentialed check)

Synopsis

The remote Windows host is affected by an elevation of privilege vulnerability.

Description

The remote Windows host is affected by an elevation of privilege vulnerability 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 able to intercept communications between a client and a server hosting a SAM database can exploit this to force the authentication level to downgrade, allowing the attacker to impersonate an authenticated user and access the SAM database.

See Also

http://www.nessus.org/u?52ade1e9

http://badlock.org/

Solution

Microsoft has released a set of patches for Windows Vista, 2008, 7, 2008 R2, 2012, 8.1, RT 8.1, 2012 R2, and 10.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

VPR Score

6.0

EPSS Score

0.0224

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

STIG Severity

I

References

BID	86002
CVE	CVE-2016-0128
MSKB	3148527
MSKB	3149090
MSKB	3147461
MSKB	3147458
XREF	MSFT:MS16-047
XREF	CERT:813296
XREF	IAVA:2016-A-0093

Plugin Information

Published: 2016/04/13, Modified: 2019/07/23

Plugin Output

tcp/49450/dce-rpc

10198 - Quote of the Day (QOTD) Service Detection

Synopsis

The quote service (qotd) is running on this host.

Description

A server listens for TCP connections on TCP port 17. Once a connection is established a short message is sent out the connection (and any data received is thrown away). The service closes the connection after sending the quote.

Another quote of the day service is defined as a datagram based application on UDP. A server listens for UDP datagrams on UDP port 17.

When a datagram is received, an answering datagram is sent containing a quote (the data in the received datagram is ignored).

An easy attack is 'pingpong' which IP spoofs a packet between two machines running qotd. This will cause them to spew characters at each other, slowing the machines down and saturating the network.

Solution

- Under Unix systems, comment out the 'qotd' line in /etc/inetd.conf and restart the inetd process

- Under Windows systems, set the following registry keys to 0 :

HKLM\System\CurrentControlSet\Services\SimpTCP\Parameters\EnableTcpQotd HKLM\System \CurrentControlSet\Services\SimpTCP\Parameters\EnableUdpQotd Then launch cmd.exe and type :

net stop simptcp net start simptcp To restart the service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

VPR Score

3.6

EPSS Score

0.8755

CVSS v2.0 Base Score

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

References

CVE	CVE-1999-0103

Plugin Information

Published: 1999/11/30, Modified: 2019/10/04

Plugin Output

tcp/17/qotd

10198 - Quote of the Day (QOTD) Service Detection

Synopsis

The quote service (qotd) is running on this host.

Description

A server listens for TCP connections on TCP port 17. Once a connection is established a short message is sent out the connection (and any data received is thrown away). The service closes the connection after sending the quote.

Another quote of the day service is defined as a datagram based application on UDP. A server listens for UDP datagrams on UDP port 17.

When a datagram is received, an answering datagram is sent containing a quote (the data in the received datagram is ignored).

An easy attack is 'pingpong' which IP spoofs a packet between two machines running qotd. This will cause them to spew characters at each other, slowing the machines down and saturating the network.

Solution

- Under Unix systems, comment out the 'qotd' line in /etc/inetd.conf and restart the inetd process

- Under Windows systems, set the following registry keys to 0 :

HKLM\System\CurrentControlSet\Services\SimpTCP\Parameters\EnableTcpQotd HKLM\System \CurrentControlSet\Services\SimpTCP\Parameters\EnableUdpQotd Then launch cmd.exe and type :

net stop simptcp net start simptcp To restart the service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

VPR Score

3.6

EPSS Score

0.8755

CVSS v2.0 Base Score

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

References

CVE	CVE-1999-0103

Plugin Information

Published: 1999/11/30, Modified: 2019/10/04

Plugin Output

udp/17/qotd

57608 - SMB Signing not required

Synopsis

Signing is not required on the remote SMB server.

Description

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

See Also

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

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

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

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

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

Solution

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

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

Plugin Information

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

Plugin Output

tcp/445/cifs

51192 - SSL Certificate Cannot Be Trusted

Synopsis

The SSL certificate for this service cannot be trusted.

Description

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

- First, the top of the certificate chain sent by the server might not be descended from a known public certificate authority. This can occur either when the top of the chain is an unrecognized, self-signed certificate, or when intermediate certificates are missing that would connect the top of the certificate chain to a known public certificate authority.

- Second, the certificate chain may contain a certificate that is not valid at the time of the scan. This can occur either when the scan occurs before one of the certificate's 'notBefore' dates, or after one of the certificate's 'notAfter' dates.

- Third, the certificate chain may contain a signature that either didn't match the certificate's information or could not be verified. Bad signatures can be fixed by getting the certificate with the bad signature to be re-signed by its issuer. Signatures that could not be verified are the result of the certificate's issuer using a signing algorithm that Nessus either does not support or does not recognize.

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

See Also

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

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

Solution

Purchase or generate a proper SSL certificate for this service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

Plugin Information

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

Plugin Output

tcp/3389/msrdp

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

|-Subject : CN=DESKTOP-9K1O4BT
|-Issuer  : CN=DESKTOP-9K1O4BT
```

51192 - SSL Certificate Cannot Be Trusted

Synopsis

The SSL certificate for this service cannot be trusted.

Description

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

- First, the top of the certificate chain sent by the server might not be descended from a known public certificate authority. This can occur either when the top of the chain is an unrecognized, self-signed certificate, or when intermediate certificates are missing that would connect the top of the certificate chain to a known public certificate authority.

- Second, the certificate chain may contain a certificate that is not valid at the time of the scan. This can occur either when the scan occurs before one of the certificate's 'notBefore' dates, or after one of the certificate's 'notAfter' dates.

- Third, the certificate chain may contain a signature that either didn't match the certificate's information or could not be verified. Bad signatures can be fixed by getting the certificate with the bad signature to be re-signed by its issuer. Signatures that could not be verified are the result of the certificate's issuer using a signing algorithm that Nessus either does not support or does not recognize.

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

See Also

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

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

Solution

Purchase or generate a proper SSL certificate for this service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

Plugin Information

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

Plugin Output

tcp/8443/www

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

|-Subject : CN=DESKTOP-9K1O4BT
|-Issuer  : CN=DESKTOP-9K1O4BT
```

65821 - SSL RC4 Cipher Suites Supported (Bar Mitzvah)

Synopsis

The remote service supports the use of the RC4 cipher.

Description

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

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

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

See Also

https://www.rc4nomore.com/

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

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

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

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

Solution

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

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

VPR Score

4.4

EPSS Score

0.0079

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

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

Plugin Information

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

Plugin Output

tcp/3389/msrdp

```
List of RC4 cipher suites supported by the remote server :

  High Strength Ciphers (>= 112-bit key)

    Name                          Code              KEX           Auth      Encryption              MAC
    ----------------------        ----------        ---           ----      ----------------------  ---
    RC4-MD5                       0x00, 0x04        RSA           RSA       RC4(128)                MD5
    RC4-SHA                       0x00, 0x05        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}
```

57582 - SSL Self-Signed Certificate

Synopsis

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

Description

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

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

Solution

Purchase or generate a proper SSL certificate for this service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

Plugin Information

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

Plugin Output

tcp/3389/msrdp

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

|-Subject : CN=DESKTOP-9K1O4BT
```

57582 - SSL Self-Signed Certificate

Synopsis

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

Description

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

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

Solution

Purchase or generate a proper SSL certificate for this service.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

Plugin Information

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

Plugin Output

tcp/8443/www

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

|-Subject : CN=DESKTOP-9K1O4BT
```

104743 - TLS Version 1.0 Protocol Detection

Synopsis

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

Description

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

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

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

See Also

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

Solution

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

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

References

XREF CWE:327

Plugin Information

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

Plugin Output

tcp/3389/msrdp

```
TLSv1 is enabled and the server supports at least one cipher.
```

104743 - TLS Version 1.0 Protocol Detection

Synopsis

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

Description

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

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

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

See Also

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

Solution

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

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

References

XREF CWE:327

Plugin Information

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

Plugin Output

tcp/8443/www

```
TLSv1 is enabled and the server supports at least one cipher.
```

157288 - TLS Version 1.1 Deprecated Protocol

Synopsis

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

Description

The remote service accepts connections encrypted using TLS 1.1. TLS 1.1 lacks support for current and recommended cipher suites. Ciphers that support encryption before MAC computation, and authenticated encryption modes such as GCM cannot be used with TLS 1.1

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

See Also

https://datatracker.ietf.org/doc/html/rfc8996

http://www.nessus.org/u?c8ae820d

Solution

Enable support for TLS 1.2 and/or 1.3, and disable support for TLS 1.1.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

References

XREF	CWE:327

Plugin Information

Published: 2022/04/04, Modified: 2024/05/14

Plugin Output

tcp/3389/msrdp

```
TLSv1.1 is enabled and the server supports at least one cipher.
```

157288 - TLS Version 1.1 Deprecated Protocol

Synopsis

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

Description

The remote service accepts connections encrypted using TLS 1.1. TLS 1.1 lacks support for current and recommended cipher suites. Ciphers that support encryption before MAC computation, and authenticated encryption modes such as GCM cannot be used with TLS 1.1

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

See Also

https://datatracker.ietf.org/doc/html/rfc8996

http://www.nessus.org/u?c8ae820d

Solution

Enable support for TLS 1.2 and/or 1.3, and disable support for TLS 1.1.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

References

XREF	CWE:327

Plugin Information

Published: 2022/04/04, Modified: 2024/05/14

Plugin Output

tcp/8443/www

```
TLSv1.1 is enabled and the server supports at least one cipher.
```

58453 - Terminal Services Doesn't Use Network Level Authentication (NLA) Only

Synopsis

The remote Terminal Services doesn't use Network Level Authentication only.

Description

The remote Terminal Services is not configured to use Network Level Authentication (NLA) only. NLA uses the Credential Security Support Provider (CredSSP) protocol to perform strong server authentication either through TLS/SSL or Kerberos mechanisms, which protect against man-in-the-middle attacks. In addition to improving authentication, NLA also helps protect the remote computer from malicious users and software by completing user authentication before a full RDP connection is established.

See Also

https://docs.microsoft.com/en-us/previous-versions/windows/it-pro/windows-server-2008-R2-and-2008/cc732713(v=ws.11)

http://www.nessus.org/u?e2628096

Solution

Enable Network Level Authentication (NLA) on the remote RDP server. This is generally done on the 'Remote' tab of the 'System' settings on Windows.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

Plugin Information

Published: 2012/03/23, Modified: 2024/12/30

Plugin Output

tcp/3389/msrdp

```
Nessus was able to negotiate non-NLA (Network Level Authentication) security.
```

10114 - ICMP Timestamp Request Remote Date Disclosure

Synopsis

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

Description

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

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

Solution

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

Risk Factor

Low

VPR Score

2.2

EPSS Score

0.8939

CVSS v2.0 Base Score

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

References

CVE	CVE-1999-0524
XREF	CWE:200

Plugin Information

Published: 1999/08/01, Modified: 2024/10/07

Plugin Output

icmp/0

```
This host returns non-standard timestamps (high bit is set)
```

```
The ICMP timestamps might be in little endian format (not in network format)
The difference between the local and remote clocks is 3 seconds.
```

21186 - AJP Connector Detection

Synopsis

There is an AJP connector listening on the remote host.

Description

The remote host is running an AJP (Apache JServ Protocol) connector, a service by which a standalone web server such as Apache communicates over TCP with a Java servlet container such as Tomcat.

See Also

http://tomcat.apache.org/connectors-doc/

http://tomcat.apache.org/connectors-doc/ajp/ajpv13a.html

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2006/04/05, Modified: 2019/11/22

Plugin Output

tcp/8009/ajp13

```
The connector listing on this port supports the ajp13 protocol.
```

39446 - Apache Tomcat Detection

Synopsis

The remote web server is an Apache Tomcat server.

Description

Nessus was able to detect a remote Apache Tomcat web server.

See Also

https://tomcat.apache.org/

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0535

Plugin Information

Published: 2009/06/18, Modified: 2024/11/14

Plugin Output

tcp/8080/www

```
URL        : http://192.168.50.6:8080/
Version    : 7.0.81
backported : 0
source     : Apache Tomcat/7.0.81
```

45590 - Common Platform Enumeration (CPE)

Synopsis

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

Description

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

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

See Also

http://cpe.mitre.org/

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

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2010/04/21, Modified: 2025/01/06

Plugin Output

tcp/0

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

  cpe:/o:microsoft:windows_10 -> Microsoft Windows 10

Following application CPE's matched on the remote system :

  cpe:/a:apache:tomcat:7.0.81 -> Apache Software Foundation Tomcat
  cpe:/a:microsoft:iis:10.0 -> Microsoft IIS
  cpe:/a:postgresql:postgresql -> PostgreSQL
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/135/epmap

```
The following DCERPC services are available locally :

Object UUID : 765294ba-60bc-48b8-92e9-89fd77769d91
UUID : d95afe70-a6d5-4259-822e-2c84da1ddb0d, version 1.0
Description : Unknown RPC service
Type : Local RPC service
Named pipe : WindowsShutdown

Object UUID : 765294ba-60bc-48b8-92e9-89fd77769d91
UUID : d95afe70-a6d5-4259-822e-2c84da1ddb0d, version 1.0
Description : Unknown RPC service
Type : Local RPC service
Named pipe : WMsgKRpc03F010

Object UUID : b08669ee-8cb5-43a5-a017-84fe00000000
UUID : 76f226c3-ec14-4325-8a99-6a46348418af, version 1.0
Description : Unknown RPC service
Type : Local RPC service
Named pipe : WindowsShutdown

Object UUID : b08669ee-8cb5-43a5-a017-84fe00000000
UUID : 76f226c3-ec14-4325-8a99-6a46348418af, version 1.0
Description : Unknown RPC service
Type : Local RPC service
Named pipe : WMsgKRpc03F010

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 9b008953-f195-4bf9-bde0-4471971e58ed, version 1.0
```

```
Description : Unknown RPC service
Type : Local RPC service
Named pipe : LRPC-80325d9e1fee2ceb56

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 9b008953-f195-4bf9-bde0-4471971e58ed, version 1.0
Description : Unknown RPC service
Type : Local RPC service
Named pipe : dabrpc

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 9b008953-f195-4bf9-bde0-4471971e58ed, version 1.0
Description : Unknown RPC service
Type : Local RPC service
Named pipe : csebpub

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 12345778-1234-abcd-ef00-0123456789ac, version 1.0
Description : Security Account Manager
Windows process : lsass.exe
Type : Local RPC service
Named pipe : audit

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 12345778-1234-abcd-ef00-0123456789ac, version 1.0
Description : Security Account Manager
Windows process : lsass.exe
Type : Local RPC service
Named pipe : securityevent

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 12345778-1234-abcd-ef00-0123456789ac, version 1.0
Description : Security Account Manager
Windows process : lsass.exe
Ty [...]
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/445/cifs

```
The following DCERPC services are available remotely :

Object UUID : 765294ba-60bc-48b8-92e9-89fd77769d91
UUID : d95afe70-a6d5-4259-822e-2c84da1ddb0d, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
Named pipe : \PIPE\InitShutdown
Netbios name : \\DESKTOP-9K1O4BT

Object UUID : b08669ee-8cb5-43a5-a017-84fe00000000
UUID : 76f226c3-ec14-4325-8a99-6a46348418af, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
Named pipe : \PIPE\InitShutdown
Netbios name : \\DESKTOP-9K1O4BT

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 12345778-1234-abcd-ef00-0123456789ac, version 1.0
Description : Security Account Manager
Windows process : lsass.exe
Type : Remote RPC service
Named pipe : \pipe\lsass
Netbios name : \\DESKTOP-9K1O4BT

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : b58aa02e-2884-4e97-8176-4ee06d794184, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
```

```
Named pipe : \pipe\trkwks
Netbios name : \\DESKTOP-9K1O4BT

Object UUID : fdd099c6-df06-4904-83b4-a87a27903c70
UUID : d09bdeb5-6171-4a34-bfe2-06fa82652568, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
Named pipe : \pipe\trkwks
Netbios name : \\DESKTOP-9K1O4BT

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 5222821f-d5e2-4885-84f1-5f6185a0ec41, version 1.0
Description : Unknown RPC service
Annotation : Network Connection Broker server endpoint for NCB Reset module
Type : Remote RPC service
Named pipe : \pipe\trkwks
Netbios name : \\DESKTOP-9K1O4BT

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 880fd55e-43b9-11e0-b1a8-cf4edfd72085, version 1.0
Description : Unknown RPC service
Annotation : KAPI Service endpoint
Type : Remote RPC service
Named pipe : \pipe\trkwks
Netbios name : \\DESKTOP-9K1O4BT

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : e40f7b57-7a25-4cd3-a135-7f7d3df9d16b, version 1.0
Description : Unknown RPC service
Annotation : Network Connection Broker server endpoint
Type : Remote RPC service
Named pipe : \pipe [...]
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/2103/dce-rpc

```
The following DCERPC services are available on TCP port 2103 :

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : fdb3a030-065f-11d1-bb9b-00a024ea5525, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QMRT V1
Type : Remote RPC service
TCP Port : 2103
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 76d12b80-3467-11d3-91ff-0090272f9ea3, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QMRT V2
Type : Remote RPC service
TCP Port : 2103
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 1088a980-eae5-11d0-8d9b-00a02453c337, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QM2QM V1
Type : Remote RPC service
TCP Port : 2103
IP : 192.168.50.6
```

```
Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 1a9134dd-7b39-45ba-ad88-44d01ca47f28, version 1.0
Description : Unknown RPC service
Annotation : Message Queuing - RemoteRead V1
Type : Remote RPC service
TCP Port : 2103
IP : 192.168.50.6
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/2105/dce-rpc

```
The following DCERPC services are available on TCP port 2105 :

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : fdb3a030-065f-11d1-bb9b-00a024ea5525, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QMRT V1
Type : Remote RPC service
TCP Port : 2105
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 76d12b80-3467-11d3-91ff-0090272f9ea3, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QMRT V2
Type : Remote RPC service
TCP Port : 2105
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 1088a980-eae5-11d0-8d9b-00a02453c337, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QM2QM V1
Type : Remote RPC service
TCP Port : 2105
IP : 192.168.50.6
```

```
Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 1a9134dd-7b39-45ba-ad88-44d01ca47f28, version 1.0
Description : Unknown RPC service
Annotation : Message Queuing - RemoteRead V1
Type : Remote RPC service
TCP Port : 2105
IP : 192.168.50.6
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/2107/dce-rpc

```
The following DCERPC services are available on TCP port 2107 :

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : fdb3a030-065f-11d1-bb9b-00a024ea5525, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QMRT V1
Type : Remote RPC service
TCP Port : 2107
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 76d12b80-3467-11d3-91ff-0090272f9ea3, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QMRT V2
Type : Remote RPC service
TCP Port : 2107
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 1088a980-eae5-11d0-8d9b-00a02453c337, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QM2QM V1
Type : Remote RPC service
TCP Port : 2107
IP : 192.168.50.6
```

```
Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 1a9134dd-7b39-45ba-ad88-44d01ca47f28, version 1.0
Description : Unknown RPC service
Annotation : Message Queuing - RemoteRead V1
Type : Remote RPC service
TCP Port : 2107
IP : 192.168.50.6
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/49408/dce-rpc

```
The following DCERPC services are available on TCP port 49408 :

Object UUID : 765294ba-60bc-48b8-92e9-89fd77769d91
UUID : d95afe70-a6d5-4259-822e-2c84da1ddb0d, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49408
IP : 192.168.50.6
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/49409/dce-rpc

```
The following DCERPC services are available on TCP port 49409 :

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : f6beaff7-1e19-4fbb-9f8f-b89e2018337c, version 1.0
Description : Unknown RPC service
Annotation : Event log TCPIP
Type : Remote RPC service
TCP Port : 49409
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 3c4728c5-f0ab-448b-bda1-6ce01eb0a6d6, version 1.0
Description : Unknown RPC service
Annotation : DHCPv6 Client LRPC Endpoint
Type : Remote RPC service
TCP Port : 49409
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 3c4728c5-f0ab-448b-bda1-6ce01eb0a6d5, version 1.0
Description : DHCP Client Service
Windows process : svchost.exe
Annotation : DHCP Client LRPC Endpoint
Type : Remote RPC service
TCP Port : 49409
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
```

```
UUID : abfb6ca3-0c5e-4734-9285-0aee72fe8d1c, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49409
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : b37f900a-eae4-4304-a2ab-12bb668c0188, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49409
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : b3781086-6a54-489b-91c8-51d067172ab7, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49409
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : e7f76134-9ef5-4949-a2d6-3368cc0988f3, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49409
IP : 192.168.50.6
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/49410/dce-rpc

```
The following DCERPC services are available on TCP port 49410 :

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 86d35949-83c9-4044-b424-db363231fd0c, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49410
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 3a9ef155-691d-4449-8d05-09ad57031823, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49410
IP : 192.168.50.6

Object UUID : 736e6573-0000-0000-0000-000000000000
UUID : c9ac6db5-82b7-4e55-ae8a-e464ed7b4277, version 1.0
Description : Unknown RPC service
Annotation : Impl friendly name
Type : Remote RPC service
TCP Port : 49410
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : b18fbab6-56f8-4702-84e0-41053293a869, version 1.0
Description : Unknown RPC service
Annotation : UserMgrCli
```

```
Type : Remote RPC service
TCP Port : 49410
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 0d3c7f20-1c8d-4654-a1b3-51563b298bda, version 1.0
Description : Unknown RPC service
Annotation : UserMgrCli
Type : Remote RPC service
TCP Port : 49410
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 30b044a5-a225-43f0-b3a4-e060df91f9c1, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49410
IP : 192.168.50.6

Object UUID : 73736573-6f69-656e-6e76-000000000000
UUID : c9ac6db5-82b7-4e55-ae8a-e464ed7b4277, version 1.0
Description : Unknown RPC service
Annotation : Impl friendly name
Type : Remote RPC service
TCP Port : 49410
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 8fd12e5d-9906-4de9-bb05-38c2123a1500, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49410
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 552d076a-cb29-4e44-8b6a-d15e59e2c0af, version 1.0
Description : Unknown RPC service
Annotation : IP Transition Configuration endpoint
Type : Remote RPC service
TCP Port : 49410
IP : [...]
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/49411/dce-rpc

```
The following DCERPC services are available on TCP port 49411 :

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 12345678-1234-abcd-ef00-0123456789ab, version 1.0
Description : IPsec Services (Windows XP & 2003)
Windows process : lsass.exe
Type : Remote RPC service
TCP Port : 49411
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 0b6edbfa-4a24-4fc6-8a23-942b1eca65d1, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49411
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : ae33069b-a2a8-46ee-a235-ddfd339be281, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49411
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 4a452661-8290-4b36-8fbe-7f4093a94978, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
```

```
TCP Port : 49411
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 76f03f96-cdfd-44fc-a22c-64950a001209, version 1.0
Description : Unknown RPC service
Type : Remote RPC service
TCP Port : 49411
IP : 192.168.50.6
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/49412/dce-rpc

```
The following DCERPC services are available on TCP port 49412 :

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 367abb81-9844-35f1-ad32-98f038001003, version 2.0
Description : Service Control Manager
Windows process : svchost.exe
Type : Remote RPC service
TCP Port : 49412
IP : 192.168.50.6
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/49413/dce-rpc

```
The following DCERPC services are available on TCP port 49413 :

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : fdb3a030-065f-11d1-bb9b-00a024ea5525, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QMRT V1
Type : Remote RPC service
TCP Port : 49413
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 76d12b80-3467-11d3-91ff-0090272f9ea3, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QMRT V2
Type : Remote RPC service
TCP Port : 49413
IP : 192.168.50.6

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 1088a980-eae5-11d0-8d9b-00a02453c337, version 1.0
Description : Message Queuing Service
Windows process : mqsvc.exe
Annotation : Message Queuing - QM2QM V1
Type : Remote RPC service
TCP Port : 49413
IP : 192.168.50.6
```

```
Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 1a9134dd-7b39-45ba-ad88-44d01ca47f28, version 1.0
Description : Unknown RPC service
Annotation : Message Queuing - RemoteRead V1
Type : Remote RPC service
TCP Port : 49413
IP : 192.168.50.6
```

10736 - DCE Services Enumeration

Synopsis

A DCE/RPC service is running on the remote host.

Description

By sending a Lookup request to the portmapper (TCP 135 or epmapper PIPE) it was possible to enumerate the Distributed Computing Environment (DCE) services running on the remote port. Using this information it is possible to connect and bind to each service by sending an RPC request to the remote port/pipe.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/08/26, Modified: 2021/10/04

Plugin Output

tcp/49450/dce-rpc

```
The following DCERPC services are available on TCP port 49450 :

Object UUID : 00000000-0000-0000-0000-000000000000
UUID : 12345778-1234-abcd-ef00-0123456789ac, version 1.0
Description : Security Account Manager
Windows process : lsass.exe
Type : Remote RPC service
TCP Port : 49450
IP : 192.168.50.6
```

10052 - Daytime Service Detection

Synopsis

A daytime service is running on the remote host.

Description

The remote host is running a 'daytime' service. This service is designed to give the local time of the day of this host to whoever connects to this port. The date format issued by this service may sometimes help an attacker to guess the operating system type of this host, or to set up timed authentication attacks against the remote host.

In addition, if the daytime service is running on a UDP port, an attacker may link it to the echo port of a third-party host using spoofing, thus creating a possible denial of service condition between this host and the third party.

Solution

- On Unix systems, comment out the 'daytime' line in /etc/inetd.conf and restart the inetd process.

- On Windows systems, set the following registry keys to 0 :

HKLM\System\CurrentControlSet\Services\SimpTCP\Parameters\EnableTcpDaytime HKLM\System \CurrentControlSet\Services\SimpTCP\Parameters\EnableUdpDaytime Next, launch cmd.exe and type :

net stop simptcp net start simptcp This will restart the service.

Risk Factor

None

Plugin Information

Published: 1999/06/22, Modified: 2014/05/09

Plugin Output

tcp/13/daytime

10052 - Daytime Service Detection

Synopsis

A daytime service is running on the remote host.

Description

The remote host is running a 'daytime' service. This service is designed to give the local time of the day of this host to whoever connects to this port. The date format issued by this service may sometimes help an attacker to guess the operating system type of this host, or to set up timed authentication attacks against the remote host.

In addition, if the daytime service is running on a UDP port, an attacker may link it to the echo port of a third-party host using spoofing, thus creating a possible denial of service condition between this host and the third party.

Solution

- On Unix systems, comment out the 'daytime' line in /etc/inetd.conf and restart the inetd process.

- On Windows systems, set the following registry keys to 0 :

HKLM\System\CurrentControlSet\Services\SimpTCP\Parameters\EnableTcpDaytime HKLM\System \CurrentControlSet\Services\SimpTCP\Parameters\EnableUdpDaytime Next, launch cmd.exe and type :

net stop simptcp net start simptcp This will restart the service.

Risk Factor

None

Plugin Information

Published: 1999/06/22, Modified: 2014/05/09

Plugin Output

udp/13/daytime

54615 - Device Type

Synopsis

It is possible to guess the remote device type.

Description

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/0

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

11367 - Discard Service Detection

Synopsis

A discard service is running on the remote host.

Description

The remote host is running a 'discard' service. This service typically sets up a listening socket and will ignore all the data which it receives.

This service is unused these days, so it is advised that you disable it.

Solution

- Under Unix systems, comment out the 'discard' line in /etc/inetd.conf and restart the inetd process

- Under Windows systems, set the following registry key to 0 :

HKLM\System\CurrentControlSet\Services\SimpTCP\Parameters\EnableTcpDiscard Then launch cmd.exe and type :

net stop simptcp net start simptcp To restart the service.

Risk Factor

None

Plugin Information

Published: 2003/03/12, Modified: 2011/03/11

Plugin Output

tcp/9/discard

35716 - Ethernet Card Manufacturer Detection

Synopsis

The manufacturer can be identified from the Ethernet OUI.

Description

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

See Also

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

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/0

```
The following card manufacturers were identified :

08:00:27:17:CF:6D : PCS Systemtechnik GmbH
```

86420 - Ethernet MAC Addresses

Synopsis

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

Description

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/0

```
The following is a consolidated list of detected MAC addresses:
  - 08:00:27:17:CF:6D
```

84502 - HSTS Missing From HTTPS Server

Synopsis

The remote web server is not enforcing HSTS.

Description

The remote HTTPS server is not enforcing HTTP Strict Transport Security (HSTS). HSTS is an optional response header that can be configured on the server to instruct the browser to only communicate via HTTPS. The lack of HSTS allows downgrade attacks, SSL-stripping man-in-the-middle attacks, and weakens cookie-hijacking protections.

See Also

https://tools.ietf.org/html/rfc6797

Solution

Configure the remote web server to use HSTS.

Risk Factor

None

Plugin Information

Published: 2015/07/02, Modified: 2024/08/09

Plugin Output

tcp/8443/www

```
HTTP/1.1 404 Not Found
Content-Type: text/html; charset=us-ascii
Server: Microsoft-HTTPAPI/2.0
Date: Tue, 07 Jan 2025 22:10:33 GMT
Connection: close
Content-Length: 315

The remote HTTPS server does not send the HTTP
"Strict-Transport-Security" header.
```

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)

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/80/www

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

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

    /
```

10107 - HTTP Server Type and Version

Synopsis

A web server is running on the remote host.

Description

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

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0931

Plugin Information

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

Plugin Output

tcp/80/www

```
The remote web server type is :

Microsoft-IIS/10.0
```

10107 - HTTP Server Type and Version

Synopsis

A web server is running on the remote host.

Description

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

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0931

Plugin Information

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

Plugin Output

tcp/8080/www

```
The remote web server type is :

Apache-Coyote/1.1
```

10107 - HTTP Server Type and Version

Synopsis

A web server is running on the remote host.

Description

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

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0931

Plugin Information

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

Plugin Output

tcp/8443/www

```
The remote web server type is :

Microsoft-HTTPAPI/2.0
```

24260 - HyperText Transfer Protocol (HTTP) Information

Synopsis

Some information about the remote HTTP configuration can be extracted.

Description

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

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/80/www

```
Response Code : HTTP/1.1 200 OK

Protocol version : HTTP/1.1
HTTP/2 TLS Support: No
HTTP/2 Cleartext Support: No
SSL : no
Keep-Alive : no
Options allowed : OPTIONS, TRACE, GET, HEAD, POST
Headers :

  Content-Type: text/html
  Last-Modified: Tue, 09 Jul 2024 16:51:13 GMT
  Accept-Ranges: bytes
  ETag: "aeca433520d2da1:0"
  Server: Microsoft-IIS/10.0
  Date: Tue, 07 Jan 2025 22:10:53 GMT
  Content-Length: 696

Response Body :

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>IIS Windows</title>
<style type="text/css">
```

```
<!--
body {
color:#000000;
background-color:#0072C6;
margin:0;
}
#container {
margin-left:auto;
margin-right:auto;
text-align:center;
}
a img {
border:none;
}
-->
</style>
</head>
<body>
<div id="container">
<a href="http://go.microsoft.com/fwlink/?linkid=66138&amp;clcid=0x409"><img src="iisstart.png"
 alt="IIS" width="960" height="600" /></a>
</div>
</body>
</html>
```

24260 - HyperText Transfer Protocol (HTTP) Information

Synopsis

Some information about the remote HTTP configuration can be extracted.

Description

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

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/8080/www

```
Response Code : HTTP/1.1 200 OK

Protocol version : HTTP/1.1
HTTP/2 TLS Support: No
HTTP/2 Cleartext Support: No
SSL : no
Keep-Alive : no
Options allowed : GET, HEAD, POST, PUT, DELETE, OPTIONS
Headers :

  Server: Apache-Coyote/1.1
  Content-Type: text/html;charset=ISO-8859-1
  Transfer-Encoding: chunked
  Date: Tue, 07 Jan 2025 22:10:53 GMT
  Connection: close

Response Body :

<!DOCTYPE html>
<html lang="en">
    <head>
        <title>Apache Tomcat/7.0.81</title>
        <link href="favicon.ico" rel="icon" type="image/x-icon" />
        <link href="favicon.ico" rel="shortcut icon" type="image/x-icon" />
        <link href="tomcat.css" rel="stylesheet" type="text/css" />
    </head>
    <body>
```

```
        <div id="wrapper">
            <div id="navigation" class="curved container">
                <span id="nav-home"><a href="http://tomcat.apache.org/">Home</a></span>
                <span id="nav-hosts"><a href="/docs/">Documentation</a></span>
                <span id="nav-config"><a href="/docs/config/">Configuration</a></span>
                <span id="nav-examples"><a href="/examples/">Examples</a></span>
                <span id="nav-wiki"><a href="http://wiki.apache.org/tomcat/FrontPage">Wiki</a></
span>
                <span id="nav-lists"><a href="http://tomcat.apache.org/lists.html">Mailing Lists</
a></span>
                <span id="nav-help"><a href="http://tomcat.apache.org/findhelp.html">Find Help</a></
span>
                <br class="separator" />
            </div>
            <div id="asf-box">
                <h1>Apache Tomcat/7.0.81</h1>
            </div>
            <div id="upper" class="curved container">
                <div id="congrats" class="curved container">
                    <h2>If you're seeing this, you've successfully installed Tomcat.
 Congratulations!</h2>
                </div>
                <div id="notice">
                    <img src="tomcat.png" alt="[tomcat logo]" />
                    <div id="tasks">
                        <h3> [...]
```

24260 - HyperText Transfer Protocol (HTTP) Information

Synopsis

Some information about the remote HTTP configuration can be extracted.

Description

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

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/8443/www

```
Response Code : HTTP/1.1 404 Not Found

Protocol version : HTTP/1.1
HTTP/2 TLS Support: Yes
HTTP/2 Cleartext Support: No
SSL : yes
Keep-Alive : no
Options allowed : (Not implemented)
Headers :

  Content-Type: text/html; charset=us-ascii
  Server: Microsoft-HTTPAPI/2.0
  Date: Tue, 07 Jan 2025 22:10:51 GMT
  Connection: close
  Content-Length: 315

Response Body :
```

53513 - Link-Local Multicast Name Resolution (LLMNR) Detection

Synopsis

The remote device supports LLMNR.

Description

The remote device answered to a Link-local Multicast Name Resolution (LLMNR) request. This protocol provides a name lookup service similar to NetBIOS or DNS. It is enabled by default on modern Windows versions.

See Also

http://www.nessus.org/u?51eae65d

http://technet.microsoft.com/en-us/library/bb878128.aspx

Solution

Make sure that use of this software conforms to your organization's acceptable use and security policies.

Risk Factor

None

Plugin Information

Published: 2011/04/21, Modified: 2023/10/17

Plugin Output

udp/5355/llmnr

```
According to LLMNR, the name of the remote host is 'DESKTOP-9K1O4BT'.
```

174933 - Microsoft Message Queuing Detection

Synopsis

Microsoft Message Queuing is running on the remote host.

Description

Microsoft Message Queuing is running on the remote host.

See Also

http://www.nessus.org/u?b0bc5d7b

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2023/04/28, Modified: 2024/12/30

Plugin Output

tcp/1801/msmq

```
MSMQ response:

0x00:  10 58 1B 00 4C 49 4F 52 24 00 00 00 FF FF FF FF    .X..LIOR$.......
0x10:  00 00 01 00 00 00 00 00 00 00 00 00 00 00 00 00    ................
0x20:  40 00 00 00                                        @...
```

10785 - Microsoft Windows SMB NativeLanManager Remote System Information Disclosure

Synopsis

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

Description

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/445/cifs

```
The remote Operating System is : Windows 10 Pro 10240
The remote native LAN manager is : Windows 10 Pro 6.3
The remote SMB Domain Name is : DESKTOP-9K1O4BT
```

26917 - Microsoft Windows SMB Registry : Nessus Cannot Access the Windows Registry

Synopsis

Nessus is not able to access the remote Windows Registry.

Description

It was not possible to connect to PIPE\winreg on the remote host.

If you intend to use Nessus to perform registry-based checks, the registry checks will not work because the 'Remote Registry Access'

service (winreg) has been disabled on the remote host or can not be connected to with the supplied credentials.

Solution

n/a

Risk Factor

None

References

XREF	IAVB:0001-B-0506

Plugin Information

Published: 2007/10/04, Modified: 2020/09/22

Plugin Output

tcp/445/cifs

```
Could not connect to the registry because:
Could not connect to \winreg
```

11011 - Microsoft Windows SMB Service Detection

Synopsis

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

Description

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/139/smb

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

11011 - Microsoft Windows SMB Service Detection

Synopsis

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

Description

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/445/cifs

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

100871 - Microsoft Windows SMB Versions Supported (remote check)

Synopsis

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

Description

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

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/445/cifs

```
The remote host supports the following versions of SMB :
  SMBv1
  SMBv2
```

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

Synopsis

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

Description

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/445/cifs

```
The remote host supports the following SMB dialects :
_version_  _introduced in windows version_
2.0.2      Windows 2008
2.1        Windows 7
3.0        Windows 8
3.0.2      Windows 8.1
3.1.1      Windows 10

The remote host does NOT support the following SMB dialects :
_version_  _introduced in windows version_
2.2.2      Windows 8 Beta
2.2.4      Windows 8 Beta
3.1        Windows 10
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/7/echo

```
Port 7/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/9/discard

```
Port 9/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/13/daytime

```
Port 13/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/17/qotd

```
Port 17/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/19/chargen

```
Port 19/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/80/www

```
Port 80/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/135/epmap

```
Port 135/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/139/smb

```
Port 139/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/445/cifs

```
Port 445/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/1801/msmq

```
Port 1801/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/2103/dce-rpc

```
Port 2103/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/2105/dce-rpc

```
Port 2105/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/2107/dce-rpc

```
Port 2107/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/3389/msrdp

```
Port 3389/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/5432/postgresql

```
Port 5432/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/8009/ajp13

```
Port 8009/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/8080/www

```
Port 8080/tcp was found to be open
```

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/12/30

Plugin Output

tcp/8443/www

```
Port 8443/tcp was found to be open
```

19506 - Nessus Scan Information

Synopsis

This plugin displays information about the Nessus scan.

Description

This plugin displays, for each tested host, information about the scan itself :

- The version of the plugin set.
- The type of scanner (Nessus or Nessus Home).
- The version of the Nessus Engine.
- The port scanner(s) used.
- The port range scanned.
- The ping round trip time
- Whether credentialed or third-party patch management checks are possible.
- Whether the display of superseded patches is enabled
- The date of the scan.
- The duration of the scan.
- The number of hosts scanned in parallel.
- The number of checks done in parallel.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2005/08/26, Modified: 2024/12/31

Plugin Output

tcp/0

```
Information about this scan :

Nessus version : 10.8.3
Nessus build : 20010
Plugin feed version : 202501071602
Scanner edition used : Nessus Home
Scanner OS : LINUX
Scanner distribution : ubuntu1604-x86-64
Scan type : Normal
Scan name : Traccia 5 - Windows 10
```

```
Scan policy used : Basic Network Scan
Scanner IP : 192.168.50.165
Port scanner(s) : nessus_syn_scanner
Port range : default
Ping RTT : 218.310 ms
Thorough tests : no
Experimental tests : no
Scan for Unpatched Vulnerabilities : no
Plugin debugging enabled : no
Paranoia level : 1
Report verbosity : 1
Safe checks : yes
Optimize the test : no
Credentialed checks : no
Patch management checks : None
Display superseded patches : yes (supersedence plugin did not launch)
CGI scanning : disabled
Web application tests : disabled
Max hosts : 30
Max checks : 4
Recv timeout : 5
Backports : None
Allow post-scan editing : Yes
Nessus Plugin Signature Checking : Enabled
Audit File Signature Checking : Disabled
Scan Start Date : 2025/1/7 23:07 CET (UTC +01:00)
Scan duration : 410 sec
Scan for malware : no
```

24786 - Nessus Windows Scan Not Performed with Admin Privileges

Synopsis

The Nessus scan of this host may be incomplete due to insufficient privileges provided.

Description

The Nessus scanner testing the remote host has been given SMB credentials to log into the remote host, however these credentials do not have administrative privileges.

Typically, when Nessus performs a patch audit, it logs into the remote host and reads the version of the DLLs on the remote host to determine if a given patch has been applied or not. This is the method Microsoft recommends to determine if a patch has been applied.

If your Nessus scanner does not have administrative privileges when doing a scan, then Nessus has to fall back to perform a patch audit through the registry which may lead to false positives (especially when using third-party patch auditing tools) or to false negatives (not all patches can be detected through the registry).

Solution

Reconfigure your scanner to use credentials with administrative privileges.

Risk Factor

None

References

XREF IAVB:0001-B-0505

Plugin Information

Published: 2007/03/12, Modified: 2020/09/22

Plugin Output

tcp/0

```
It was not possible to connect to '\\DESKTOP-9K1O4BT\ADMIN$' with the supplied credentials.
```

11936 - OS Identification

Synopsis

It is possible to guess the remote operating system.

Description

Using a combination of remote probes (e.g., TCP/IP, SMB, HTTP, NTP, SNMP, etc.), it is possible to guess the name of the remote operating system in use. It is also possible sometimes to guess the version of the operating system.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2003/12/09, Modified: 2024/10/14

Plugin Output

tcp/0

```
Remote operating system : Microsoft Windows 10 Pro
Confidence level : 99
Method : MSRPC

Not all fingerprints could give a match. If you think that these
signatures would help us improve OS fingerprinting, please submit
them by visiting https://www.tenable.com/research/submitsignatures.

HTTP:Server: Microsoft-HTTPAPI/2.0

SinFP:!:
   P1:B11113:F0x12:W8192:O0204ffff:M1460:
   P2:B11113:F0x12:W8192:O0204ffff010303080402080affffffff44454144:M1460:
   P3:B00000:F0x00:W0:O0:M0
   P4:191003_7_p=8080
SSLcert:!:i/CN:DESKTOP-9K1O4BTs/CN:DESKTOP-9K1O4BT
90e940909cc2e83f4b6d58719b0d89193865292b
i/CN:DESKTOP-9K1O4BTs/CN:DESKTOP-9K1O4BT
755446411cbf7666906d63b3f3ef38b01e215b5e



The remote host is running Microsoft Windows 10 Pro
```

117886 - OS Security Patch Assessment Not Available

Synopsis

OS Security Patch Assessment is not available.

Description

OS Security Patch Assessment is not available on the remote host.

This does not necessarily indicate a problem with the scan.

Credentials may not have been provided, OS security patch assessment may not be supported for the target, the target may not have been identified, or another issue may have occurred that prevented OS security patch assessment from being available. See plugin output for details.

This plugin reports non-failure information impacting the availability of OS Security Patch Assessment. Failure information is reported by plugin 21745 : 'OS Security Patch Assessment failed'. If a target host is not supported for OS Security Patch Assessment, plugin 110695 : 'OS Security Patch Assessment Checks Not Supported' will report concurrently with this plugin.

Solution

n/a

Risk Factor

None

References

XREF	IAVB:0001-B-0515

Plugin Information

Published: 2018/10/02, Modified: 2021/07/12

Plugin Output

tcp/0

```
The following issues were reported :

  - Plugin      : no_local_checks_credentials.nasl
    Plugin ID   : 110723
    Plugin Name : Target Credential Status by Authentication Protocol - No Credentials Provided
    Message     :
Credentials were not provided for detected SMB service.
```

66334 - Patch Report

Synopsis

The remote host is missing several patches.

Description

The remote host is missing one or more security patches. This plugin lists the newest version of each patch to install to make sure the remote host is up-to-date.

Note: Because the 'Show missing patches that have been superseded' setting in your scan policy depends on this plugin, it will always run and cannot be disabled.

Solution

Install the patches listed below.

Risk Factor

None

Plugin Information

Published: 2013/07/08, Modified: 2024/12/30

Plugin Output

tcp/0

```
. You need to take the following action :

[ Apache Tomcat 7.0.0 < 7.0.108 multiple vulnerabilities (147163) ]

+ Action to take : Upgrade to Apache Tomcat version 7.0.108 or later.

+Impact : Taking this action will resolve 11 different vulnerabilities (CVEs).
```

26024 - PostgreSQL Server Detection

Synopsis

A database service is listening on the remote host.

Description

The remote service is a PostgreSQL database server, or a derivative such as EnterpriseDB.

See Also

https://www.postgresql.org/

Solution

Limit incoming traffic to this port if desired.

Risk Factor

None

Plugin Information

Published: 2007/09/14, Modified: 2023/05/24

Plugin Output

tcp/5432/postgresql

66173 - RDP Screenshot

Synopsis

It is possible to take a screenshot of the remote login screen.

Description

This script attempts to connect to the remote host via RDP (Remote Desktop Protocol) and attempts to take a screenshot of the login screen.

While this is not a vulnerability by itself, some versions of Windows display the names of the users who can connect and which ones are connected already.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2013/04/22, Modified: 2024/12/30

Plugin Output

tcp/3389/msrdp

```
It was possible to gather the following screenshot of the remote login screen.
```

10940 - Remote Desktop Protocol Service Detection

Synopsis

The remote host has an remote desktop protocol service enabled.

Description

The Remote Desktop Protocol allows a user to remotely obtain a graphical login (and therefore act as a local user on the remote host).

If an attacker gains a valid login and password, this service could be used to gain further access on the remote host. An attacker may also use this service to mount a dictionary attack against the remote host to try to log in remotely.

Note that RDP (the Remote Desktop Protocol) is vulnerable to Man-in-the-middle attacks, making it easy for attackers to steal the credentials of legitimate users by impersonating the Windows server.

Solution

Disable the service if you do not use it, and do not allow this service to run across the Internet.

Risk Factor

None

Plugin Information

Published: 2002/04/20, Modified: 2023/08/21

Plugin Output

tcp/3389/msrdp

56984 - SSL / TLS Versions Supported

Synopsis

The remote service encrypts communications.

Description

This plugin detects which SSL and TLS versions are supported by the remote service for encrypting communications.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/12/01, Modified: 2023/07/10

Plugin Output

tcp/3389/msrdp

```
This port supports TLSv1.0/TLSv1.1/TLSv1.2.
```

56984 - SSL / TLS Versions Supported

Synopsis

The remote service encrypts communications.

Description

This plugin detects which SSL and TLS versions are supported by the remote service for encrypting communications.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/12/01, Modified: 2023/07/10

Plugin Output

tcp/8443/www

```
This port supports TLSv1.0/TLSv1.1/TLSv1.2.
```

10863 - SSL Certificate Information

Synopsis

This plugin displays the SSL certificate.

Description

This plugin connects to every SSL-related port and attempts to extract and dump the X.509 certificate.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2008/05/19, Modified: 2021/02/03

Plugin Output

tcp/3389/msrdp

```
Subject Name:

Common Name: DESKTOP-9K1O4BT

Issuer Name:

Common Name: DESKTOP-9K1O4BT

Serial Number: 5D 68 A1 EA 56 2F 03 BE 41 C9 8D 5D 50 75 88 A0

Version: 3

Signature Algorithm: SHA-1 With RSA Encryption

Not Valid Before: Dec 18 16:39:05 2024 GMT
Not Valid After: Jun 19 16:39:05 2025 GMT

Public Key Info:

Algorithm: RSA Encryption
Key Length: 2048 bits
Public Key: 00 B7 CE 2B 94 CD 27 66 9E 9A 0D 95 61 AF 10 77 0D 3A 1E 8F
            6A 33 1B 0C 37 9C 75 78 A0 BD BF 70 AC 93 62 2D 0C C1 17 39
            9D AB 6B A0 A9 A4 48 D8 AB 68 14 05 FD CB 1B 7B 47 6B 93 4D
            E3 E2 B6 73 F4 A9 FA 9E CD 5A A1 ED 3F A1 B3 4C 1F 30 D4 EB
            E1 E1 0A D6 14 E0 BC EB C4 B0 37 2F B0 1F E9 59 3C 2D 56 BB
            A6 31 B8 ED 2C 92 C0 D9 1E 7F FC 7F 76 FA 90 51 E8 4E 12 09
            64 47 04 99 D3 CD 13 60 71 EC CA 51 5D 0C 40 13 AE FB 73 6F
            19 9E A3 60 41 72 B6 E0 96 66 68 93 49 7B D8 9E A6 1A 5C FF
            98 58 67 62 20 50 A1 A3 CD 87 0B 61 98 9D C6 AB C5 96 C9 10
            55 E5 45 3F 01 60 AA 93 CE 41 82 4D 1E E3 4C FC 5F AC 1D C7
            8B 44 96 0C E9 F7 3A B4 C6 E3 E9 4E 52 AD 8C FD 1D F2 D4 F7
```

```
             71 FC FC D9 ED 23 13 1E 93 3C 69 C0 68 EE 8A DA 25 03 7C 3E
             0F 18 BB 8A DE EB 6B A1 48 72 2A 51 E6 C8 FC 86 43
Exponent: 01 00 01

Signature Length: 256 bytes / 2048 bits
Signature: 00 AB 37 8B 6F 9D 03 2D 84 5E CC 6C 93 74 EB 35 F0 E7 A0 CB
           F1 A1 52 2E 45 8F 92 F8 FD 64 14 68 7C 29 6D 8D 62 33 2B 46
           A5 63 0E 49 10 73 D4 BC E1 E9 4C 37 DD 34 4C 98 A2 E7 37 73
           A3 0F 05 B2 5C E7 3C 17 1A 01 D5 95 B1 90 86 7E 5D 4A 45 25
           2A 02 E6 89 81 51 CC 36 CD BB 96 CB F9 33 DB FA 24 01 6A 52
           75 62 57 CC D8 85 BC B3 6C 86 1D B0 72 0B 03 DD 59 65 1F 03
           BF 00 0C 3E 75 5C FF 13 3F 90 60 55 46 89 4D B7 60 1F BE CE
           48 0F AF 9F 6F 2B F4 FF 6F 22 AA 60 38 EF C3 91 8E CF 3C A9
           5F 8D 3E 2E 26 F3 57 7F 9A B5 D6 11 34 B9 E5 54 95 67 DD A0
           75 75 8E C0 2A 36 C2 [...]
```

10863 - SSL Certificate Information

Synopsis

This plugin displays the SSL certificate.

Description

This plugin connects to every SSL-related port and attempts to extract and dump the X.509 certificate.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2008/05/19, Modified: 2021/02/03

Plugin Output

tcp/8443/www

```
Subject Name:

Common Name: DESKTOP-9K1O4BT

Issuer Name:

Common Name: DESKTOP-9K1O4BT

Serial Number: 5E 87 E5 5F 34 11 19 81 4D AE E9 A5 F4 38 22 9A

Version: 3

Signature Algorithm: SHA-1 With RSA Encryption

Not Valid Before: Jul 09 16:53:31 2024 GMT
Not Valid After: Jul 09 16:53:31 2029 GMT

Public Key Info:

Algorithm: RSA Encryption
Key Length: 2048 bits
Public Key: 00 EB AB A6 99 BE 52 5F CC 30 63 29 A1 44 33 A2 1E BD 46 7B
            5E B3 07 C9 68 30 C9 3D 36 BA B4 CC 9F AA 7B A5 40 A9 20 D2
            A7 05 00 34 D6 08 0B C7 F0 F9 AF 82 01 09 0F 4F CB 3D E1 5C
            F7 A0 C6 3E 80 0E E4 A6 93 3E 10 3D F4 4D C1 4D 91 71 A9 3C
            32 FE ED 00 2A 73 3E 7D 83 D3 00 83 00 FF DA 97 0B 5F DA A9
            4C 7A 9F 17 A3 C8 22 7A C9 7A 76 BE 7B 2A A9 82 6B 3D 66 37
            D7 C8 CF 66 E0 40 E9 6A E2 AC D4 64 A3 BD BB 25 A8 36 1B DD
            D3 34 AB B6 F2 C7 CD 97 3E F0 30 37 0F AC DB 96 98 38 BD 78
            51 96 E2 37 F7 EE 18 0B 52 A2 5C D6 26 0C E3 48 90 F8 81 B7
            DE A3 75 0E 85 2A EA 3C 0C 36 C3 89 51 AE CC DA CC 8B E7 85
            42 5B 5A F9 67 88 93 19 09 6D B5 74 0E 12 59 66 85 DD 69 49
```

```
             44 98 E5 26 07 0C 42 AF C3 28 4C AC 4E DE 55 81 00 FF B2 65
             60 92 37 68 73 61 B3 C2 73 7C 9A A3 5E E6 37 CF 2B
Exponent: 01 00 01

Signature Length: 256 bytes / 2048 bits
Signature: 00 4F C0 9C 97 DD A7 C6 78 47 05 32 A0 A8 24 D1 7C 11 63 19
           88 28 E6 26 19 D9 CF 72 57 AC CD 25 4B 4B 2E CD 72 F9 F5 19
           E8 9B 9A 75 92 DE 1D 86 03 D7 E3 FA C8 CD 49 B4 46 0A 72 D3
           23 0E AE 61 DA 83 D4 F5 62 0B 13 CA C2 64 D1 D5 B0 6C 1E F9
           D4 25 77 98 DB D0 8C 0A B0 0C 5D 0A 9E D5 B5 7B 28 8C 41 1F
           2C 27 5F 6B 64 C9 28 71 CC BD 95 60 E5 39 F5 44 9A A5 F0 E2
           46 06 61 AE DF 8E 2E 83 67 22 C6 46 D8 38 5E B0 82 9F 2C 0E
           A0 21 82 2D 6A DC 9D 54 B7 BD 05 74 78 96 1A B4 F9 45 FF C1
           EC 35 5F B2 6C FF E6 F4 B1 B1 BA 58 1D FD 43 7E 77 54 9B 1A
           8C E9 12 C6 96 18 7E [...]
```

70544 - SSL Cipher Block Chaining Cipher Suites Supported

Synopsis

The remote service supports the use of SSL Cipher Block Chaining ciphers, which combine previous blocks with subsequent ones.

Description

The remote host supports the use of SSL ciphers that operate in Cipher Block Chaining (CBC) mode. These cipher suites offer additional security over Electronic Codebook (ECB) mode, but have the potential to leak information if used improperly.

See Also

https://www.openssl.org/docs/manmaster/man1/ciphers.html

http://www.nessus.org/u?cc4a822a

https://www.openssl.org/~bodo/tls-cbc.txt

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2013/10/22, Modified: 2021/02/03

Plugin Output

tcp/3389/msrdp

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

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

    Name                          Code              KEX           Auth     Encryption             MAC
    ----------------------        ----------        ---           ----     ---------------------  ---
    DES-CBC3-SHA                  0x00, 0x0A        RSA           RSA      3DES-CBC(168)
 SHA1

  High Strength Ciphers (>= 112-bit key)

    Name                          Code              KEX           Auth     Encryption             MAC
    ----------------------        ----------        ---           ----     ---------------------  ---
    ECDHE-RSA-AES128-SHA          0xC0, 0x13        ECDH          RSA      AES-CBC(128)
 SHA1
    ECDHE-RSA-AES256-SHA          0xC0, 0x14        ECDH          RSA      AES-CBC(256)
 SHA1
```

```
    AES128-SHA                    0x00, 0x2F       RSA           RSA      AES-CBC(128)
 SHA1
    AES256-SHA                    0x00, 0x35       RSA           RSA      AES-CBC(256)
 SHA1
    ECDHE-RSA-AES128-SHA256       0xC0, 0x27       ECDH          RSA      AES-CBC(128)
 SHA256
    ECDHE-RSA-AES256-SHA384       0xC0, 0x28       ECDH          RSA      AES-CBC(256)
 SHA384
    RSA-AES128-SHA256             0x00, 0x3C       RSA           RSA      AES-CBC(128)
 SHA256
    RSA-AES256-SHA256             0x00, 0x3D       RSA           RSA      AES-CBC(256)
 SHA256

The fields above are :

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

70544 - SSL Cipher Block Chaining Cipher Suites Supported

Synopsis

The remote service supports the use of SSL Cipher Block Chaining ciphers, which combine previous blocks with subsequent ones.

Description

The remote host supports the use of SSL ciphers that operate in Cipher Block Chaining (CBC) mode. These cipher suites offer additional security over Electronic Codebook (ECB) mode, but have the potential to leak information if used improperly.

See Also

https://www.openssl.org/docs/manmaster/man1/ciphers.html

http://www.nessus.org/u?cc4a822a

https://www.openssl.org/~bodo/tls-cbc.txt

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2013/10/22, Modified: 2021/02/03

Plugin Output

tcp/8443/www

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

  High Strength Ciphers (>= 112-bit key)

    Name                          Code              KEX           Auth      Encryption             MAC
    ----------------------        ----------        ---           ----      ---------------------  ---
    ECDHE-RSA-AES128-SHA          0xC0, 0x13        ECDH          RSA       AES-CBC(128)
 SHA1
    ECDHE-RSA-AES256-SHA          0xC0, 0x14        ECDH          RSA       AES-CBC(256)
 SHA1
    ECDHE-RSA-AES128-SHA256       0xC0, 0x27        ECDH          RSA       AES-CBC(128)
 SHA256
    ECDHE-RSA-AES256-SHA384       0xC0, 0x28        ECDH          RSA       AES-CBC(256)
 SHA384

The fields above are :
```

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

21643 - SSL Cipher Suites Supported

Synopsis

The remote service encrypts communications using SSL.

Description

This plugin detects which SSL ciphers are supported by the remote service for encrypting communications.

See Also

https://www.openssl.org/docs/man1.0.2/man1/ciphers.html

http://www.nessus.org/u?e17ffced

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2006/06/05, Modified: 2024/09/11

Plugin Output

tcp/3389/msrdp

```
Here is the list of SSL ciphers supported by the remote server :
Each group is reported per SSL Version.

SSL Version : TLSv12
  Medium Strength Ciphers (> 64-bit and < 112-bit key, or 3DES)

    Name                          Code              KEX           Auth     Encryption              MAC
    ----------------------        ----------        ---           ----     ---------------------   ---
    DES-CBC3-SHA                  0x00, 0x0A        RSA           RSA      3DES-CBC(168)
 SHA1

  High Strength Ciphers (>= 112-bit key)

    Name                          Code              KEX           Auth     Encryption              MAC
    ----------------------        ----------        ---           ----     ---------------------   ---
    DHE-RSA-AES128-SHA256         0x00, 0x9E        DH            RSA      AES-GCM(128)
 SHA256
    DHE-RSA-AES256-SHA384         0x00, 0x9F        DH            RSA      AES-GCM(256)
 SHA384
    ECDHE-RSA-AES128-SHA256       0xC0, 0x2F        ECDH          RSA      AES-GCM(128)
 SHA256
    ECDHE-RSA-AES256-SHA384       0xC0, 0x30        ECDH          RSA      AES-GCM(256)
 SHA384
```

```
   RSA-AES128-SHA256             0x00, 0x9C       RSA           RSA      AES-GCM(128)
SHA256
   RSA-AES256-SHA384             0x00, 0x9D       RSA           RSA      AES-GCM(256)
SHA384
   ECDHE-RSA-AES128-SHA          0xC0, 0x13       ECDH          RSA      AES-CBC(128)
SHA1
   ECDHE-RSA-AES256-SHA          0xC0, 0x14       ECDH          RSA      AES-CBC(256)
SHA1
   AES128-SHA                    0x00, 0x2F       RSA           RSA      AES-CBC(128)
SHA1
   AES256-SHA                    0x00, 0x35       RSA           RSA      AES-CBC(256)
SHA1
   RC4-MD5                       0x00, 0x04       RSA           RSA      RC4(128)              MD5
   RC4-SHA                       0x00, 0x05       RSA           RSA      RC4(128)
SHA1
   ECDHE-RSA-AES128-SHA256       0xC0, 0x27       ECDH          RSA     [...]
```

21643 - SSL Cipher Suites Supported

Synopsis

The remote service encrypts communications using SSL.

Description

This plugin detects which SSL ciphers are supported by the remote service for encrypting communications.

See Also

https://www.openssl.org/docs/man1.0.2/man1/ciphers.html

http://www.nessus.org/u?e17ffced

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2006/06/05, Modified: 2024/09/11

Plugin Output

tcp/8443/www

```
Here is the list of SSL ciphers supported by the remote server :
Each group is reported per SSL Version.

SSL Version : TLSv12
  High Strength Ciphers (>= 112-bit key)

    Name                          Code              KEX           Auth     Encryption              MAC
    ----------------------        ----------        ---           ----     --------------------    ---
    DHE-RSA-AES128-SHA256         0x00, 0x9E        DH            RSA      AES-GCM(128)
 SHA256
    DHE-RSA-AES256-SHA384         0x00, 0x9F        DH            RSA      AES-GCM(256)
 SHA384
    ECDHE-RSA-AES128-SHA256       0xC0, 0x2F        ECDH          RSA      AES-GCM(128)
 SHA256
    ECDHE-RSA-AES256-SHA384       0xC0, 0x30        ECDH          RSA      AES-GCM(256)
 SHA384
    ECDHE-RSA-AES128-SHA          0xC0, 0x13        ECDH          RSA      AES-CBC(128)
 SHA1
    ECDHE-RSA-AES256-SHA          0xC0, 0x14        ECDH          RSA      AES-CBC(256)
 SHA1
    ECDHE-RSA-AES128-SHA256       0xC0, 0x27        ECDH          RSA      AES-CBC(128)
 SHA256
```

```
    ECDHE-RSA-AES256-SHA384       0xC0, 0x28       ECDH          RSA      AES-CBC(256)
 SHA384


SSL Version : TLSv11
  High Strength Ciphers (>= 112-bit key)

    Name                          Code             KEX           Auth     Encryption             MAC
    ----------------------        ----------       ---           ----     --------------------   ---
    ECDHE-RSA-AES128-SHA          0xC0, 0x13       ECDH          RSA      AES-CBC(128)
 SHA1
    ECDHE-RSA-AES256-SHA          0xC0, 0x14       ECDH          RSA      AES-CBC(256)
 SHA1


SSL Version : TLSv1
  High Strength Ciphers (>= 112-bit key)

    Name                          Code             KEX           Auth     Encryption             MAC
    ----------------------        ----------       ---           ----     --------------------   ---
    ECDHE-RSA-AES128-SHA          0xC0, 0x13       ECDH          RSA      AES-CBC(128)
 SHA1
    ECDHE- [...]
```

57041 - SSL Perfect Forward Secrecy Cipher Suites Supported

Synopsis

The remote service supports the use of SSL Perfect Forward Secrecy ciphers, which maintain confidentiality even if the key is stolen.

Description

The remote host supports the use of SSL ciphers that offer Perfect Forward Secrecy (PFS) encryption. These cipher suites ensure that recorded SSL traffic cannot be broken at a future date if the server's private key is compromised.

See Also

https://www.openssl.org/docs/manmaster/man1/ciphers.html

https://en.wikipedia.org/wiki/Diffie-Hellman_key_exchange

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

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/12/07, Modified: 2021/03/09

Plugin Output

tcp/3389/msrdp

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

  High Strength Ciphers (>= 112-bit key)

    Name                          Code              KEX           Auth     Encryption             MAC
    ----------------------        ----------        ---           ----     ---------------------  ---
    DHE-RSA-AES128-SHA256         0x00, 0x9E        DH            RSA      AES-GCM(128)
 SHA256
    DHE-RSA-AES256-SHA384         0x00, 0x9F        DH            RSA      AES-GCM(256)
 SHA384
    ECDHE-RSA-AES128-SHA256       0xC0, 0x2F        ECDH          RSA      AES-GCM(128)
 SHA256
    ECDHE-RSA-AES256-SHA384       0xC0, 0x30        ECDH          RSA      AES-GCM(256)
 SHA384
    ECDHE-RSA-AES128-SHA          0xC0, 0x13        ECDH          RSA      AES-CBC(128)
 SHA1
```

```
    ECDHE-RSA-AES256-SHA          0xC0, 0x14       ECDH          RSA      AES-CBC(256)
 SHA1
    ECDHE-RSA-AES128-SHA256       0xC0, 0x27       ECDH          RSA      AES-CBC(128)
 SHA256
    ECDHE-RSA-AES256-SHA384       0xC0, 0x28       ECDH          RSA      AES-CBC(256)
 SHA384

The fields above are :

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

57041 - SSL Perfect Forward Secrecy Cipher Suites Supported

Synopsis

The remote service supports the use of SSL Perfect Forward Secrecy ciphers, which maintain confidentiality even if the key is stolen.

Description

The remote host supports the use of SSL ciphers that offer Perfect Forward Secrecy (PFS) encryption. These cipher suites ensure that recorded SSL traffic cannot be broken at a future date if the server's private key is compromised.

See Also

https://www.openssl.org/docs/manmaster/man1/ciphers.html

https://en.wikipedia.org/wiki/Diffie-Hellman_key_exchange

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

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/12/07, Modified: 2021/03/09

Plugin Output

tcp/8443/www

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

  High Strength Ciphers (>= 112-bit key)

    Name                          Code              KEX           Auth      Encryption             MAC
    ----------------------        ----------        ---           ----      ---------------------  ---
    DHE-RSA-AES128-SHA256         0x00, 0x9E        DH            RSA       AES-GCM(128)
 SHA256
    DHE-RSA-AES256-SHA384         0x00, 0x9F        DH            RSA       AES-GCM(256)
 SHA384
    ECDHE-RSA-AES128-SHA256       0xC0, 0x2F        ECDH          RSA       AES-GCM(128)
 SHA256
    ECDHE-RSA-AES256-SHA384       0xC0, 0x30        ECDH          RSA       AES-GCM(256)
 SHA384
    ECDHE-RSA-AES128-SHA          0xC0, 0x13        ECDH          RSA       AES-CBC(128)
 SHA1
```

```
    ECDHE-RSA-AES256-SHA          0xC0, 0x14       ECDH          RSA      AES-CBC(256)
 SHA1
    ECDHE-RSA-AES128-SHA256       0xC0, 0x27       ECDH          RSA      AES-CBC(128)
 SHA256
    ECDHE-RSA-AES256-SHA384       0xC0, 0x28       ECDH          RSA      AES-CBC(256)
 SHA384

The fields above are :

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

51891 - SSL Session Resume Supported

Synopsis

The remote host allows resuming SSL sessions.

Description

This script detects whether a host allows resuming SSL sessions by performing a full SSL handshake to receive a session ID, and then reconnecting with the previously used session ID. If the server accepts the session ID in the second connection, the server maintains a cache of sessions that can be resumed.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/02/07, Modified: 2021/09/13

Plugin Output

tcp/3389/msrdp

```
This port supports resuming TLSv1 / TLSv1 / TLSv1 sessions.
```

51891 - SSL Session Resume Supported

Synopsis

The remote host allows resuming SSL sessions.

Description

This script detects whether a host allows resuming SSL sessions by performing a full SSL handshake to receive a session ID, and then reconnecting with the previously used session ID. If the server accepts the session ID in the second connection, the server maintains a cache of sessions that can be resumed.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2011/02/07, Modified: 2021/09/13

Plugin Output

tcp/8443/www

```
This port supports resuming TLSv1 / TLSv1 / TLSv1 sessions.
```

156899 - SSL/TLS Recommended Cipher Suites

Synopsis

The remote host advertises discouraged SSL/TLS ciphers.

Description

The remote host has open SSL/TLS ports which advertise discouraged cipher suites. It is recommended to only enable support for the following cipher suites:

TLSv1.3:

- 0x13,0x01 TLS13_AES_128_GCM_SHA256
- 0x13,0x02 TLS13_AES_256_GCM_SHA384
- 0x13,0x03 TLS13_CHACHA20_POLY1305_SHA256

TLSv1.2:

- 0xC0,0x2B ECDHE-ECDSA-AES128-GCM-SHA256
- 0xC0,0x2F ECDHE-RSA-AES128-GCM-SHA256
- 0xC0,0x2C ECDHE-ECDSA-AES256-GCM-SHA384
- 0xC0,0x30 ECDHE-RSA-AES256-GCM-SHA384
- 0xCC,0xA9 ECDHE-ECDSA-CHACHA20-POLY1305
- 0xCC,0xA8 ECDHE-RSA-CHACHA20-POLY1305

This is the recommended configuration for the vast majority of services, as it is highly secure and compatible with nearly every client released in the last five (or more) years.

See Also

https://wiki.mozilla.org/Security/Server_Side_TLS

https://ssl-config.mozilla.org/

Solution

Only enable support for recommened cipher suites.

Risk Factor

None

Plugin Information

Published: 2022/01/20, Modified: 2024/02/12

Plugin Output

tcp/3389/msrdp

```
The remote host has listening SSL/TLS ports which advertise the discouraged cipher suites outlined
 below:


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

    Name                          Code              KEX           Auth     Encryption             MAC
    ----------------------        ----------        ---           ----     --------------------   ---
    DES-CBC3-SHA                  0x00, 0x0A        RSA           RSA      3DES-CBC(168)
 SHA1

  High Strength Ciphers (>= 112-bit key)

    Name                          Code              KEX           Auth     Encryption             MAC
    ----------------------        ----------        ---           ----     --------------------   ---
    DHE-RSA-AES128-SHA256         0x00, 0x9E        DH            RSA      AES-GCM(128)
 SHA256
    DHE-RSA-AES256-SHA384         0x00, 0x9F        DH            RSA      AES-GCM(256)
 SHA384
    RSA-AES128-SHA256             0x00, 0x9C        RSA           RSA      AES-GCM(128)
 SHA256
    RSA-AES256-SHA384             0x00, 0x9D        RSA           RSA      AES-GCM(256)
 SHA384
    ECDHE-RSA-AES128-SHA          0xC0, 0x13        ECDH          RSA      AES-CBC(128)
 SHA1
    ECDHE-RSA-AES256-SHA          0xC0, 0x14        ECDH          RSA      AES-CBC(256)
 SHA1
    AES128-SHA                    0x00, 0x2F        RSA           RSA      AES-CBC(128)
 SHA1
    AES256-SHA                    0x00, 0x35        RSA           RSA      AES-CBC(256)
 SHA1
    RC4-MD5                       0x00, 0x04        RSA           RSA      RC4(128)               MD5
    RC4-SHA                       0x00, 0x05        RSA           RSA      RC4(128)
 SHA1
    ECDHE-RSA-AES128-SHA256       0xC0, 0x27        ECDH          RSA      AES-CBC(128)
 SHA256
    ECDHE-RSA-AES256-SHA384       0xC0, 0x28        ECDH          RSA      AES-CBC(256)
 SHA384
    RSA-AES128-SHA256             0x00, 0x3C        RSA           RSA      AES-CBC(128)       [...]
```

156899 - SSL/TLS Recommended Cipher Suites

Synopsis

The remote host advertises discouraged SSL/TLS ciphers.

Description

The remote host has open SSL/TLS ports which advertise discouraged cipher suites. It is recommended to only enable support for the following cipher suites:

TLSv1.3:

- 0x13,0x01 TLS13_AES_128_GCM_SHA256
- 0x13,0x02 TLS13_AES_256_GCM_SHA384
- 0x13,0x03 TLS13_CHACHA20_POLY1305_SHA256

TLSv1.2:

- 0xC0,0x2B ECDHE-ECDSA-AES128-GCM-SHA256
- 0xC0,0x2F ECDHE-RSA-AES128-GCM-SHA256
- 0xC0,0x2C ECDHE-ECDSA-AES256-GCM-SHA384
- 0xC0,0x30 ECDHE-RSA-AES256-GCM-SHA384
- 0xCC,0xA9 ECDHE-ECDSA-CHACHA20-POLY1305
- 0xCC,0xA8 ECDHE-RSA-CHACHA20-POLY1305

This is the recommended configuration for the vast majority of services, as it is highly secure and compatible with nearly every client released in the last five (or more) years.

See Also

https://wiki.mozilla.org/Security/Server_Side_TLS

https://ssl-config.mozilla.org/

Solution

Only enable support for recommened cipher suites.

Risk Factor

None

Plugin Information

Published: 2022/01/20, Modified: 2024/02/12

Plugin Output

tcp/8443/www

```
The remote host has listening SSL/TLS ports which advertise the discouraged cipher suites outlined
 below:


  High Strength Ciphers (>= 112-bit key)

    Name                          Code              KEX           Auth     Encryption              MAC
    ----------------------        ----------        ---           ----     --------------------    ---
    DHE-RSA-AES128-SHA256         0x00, 0x9E        DH            RSA      AES-GCM(128)
 SHA256
    DHE-RSA-AES256-SHA384         0x00, 0x9F        DH            RSA      AES-GCM(256)
 SHA384
    ECDHE-RSA-AES128-SHA          0xC0, 0x13        ECDH          RSA      AES-CBC(128)
 SHA1
    ECDHE-RSA-AES256-SHA          0xC0, 0x14        ECDH          RSA      AES-CBC(256)
 SHA1
    ECDHE-RSA-AES128-SHA256       0xC0, 0x27        ECDH          RSA      AES-CBC(128)
 SHA256
    ECDHE-RSA-AES256-SHA384       0xC0, 0x28        ECDH          RSA      AES-CBC(256)
 SHA384

The fields above are :

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

96982 - Server Message Block (SMB) Protocol Version 1 Enabled (uncredentialed check)

Synopsis

The remote Windows host supports the SMBv1 protocol.

Description

The remote Windows host supports Server Message Block Protocol version 1 (SMBv1). Microsoft recommends that users discontinue the use of SMBv1 due to the lack of security features that were included in later SMB versions. Additionally, the Shadow Brokers group reportedly has an exploit that affects SMB; however, it is unknown if the exploit affects SMBv1 or another version. In response to this, US-CERT recommends that users disable SMBv1 per SMB best practices to mitigate these potential issues.

See Also

https://blogs.technet.microsoft.com/filecab/2016/09/16/stop-using-smb1/

https://support.microsoft.com/en-us/help/2696547/how-to-detect-enable-and-disable-smbv1-smbv2-and-smbv3-in-windows-and

http://www.nessus.org/u?8dcab5e4

http://www.nessus.org/u?234f8ef8

http://www.nessus.org/u?4c7e0cf3

Solution

Disable SMBv1 according to the vendor instructions in Microsoft KB2696547. Additionally, block SMB directly by blocking TCP port 445 on all network boundary devices. For SMB over the NetBIOS API, block TCP ports 137 / 139 and UDP ports 137 / 138 on all network boundary devices.

Risk Factor

None

References

XREF IAVT:0001-T-0710

Plugin Information

Published: 2017/02/03, Modified: 2020/09/22

Plugin Output

tcp/445/cifs

```
The remote host supports SMBv1.
```

22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

Plugin Output

tcp/7/echo

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

22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

Plugin Output

tcp/19/chargen

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

22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

Plugin Output

tcp/80/www

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

22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

Plugin Output

tcp/8080/www

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

22964 - Service Detection

Synopsis

The remote service could be identified.

Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

Plugin Output

tcp/8443/www

```
A TLSv1 server answered on this port.
```

tcp/8443/www

```
A web server is running on this port through TLSv1.
```

17975 - Service Detection (GET request)

Synopsis

The remote service could be identified.

Description

It was possible 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

References

XREF	IAVT:0001-T-0935

Plugin Information

Published: 2005/04/06, Modified: 2021/10/27

Plugin Output

tcp/17/qotd

```
qotd seems to be running on this port.
```

11153 - Service Detection (HELP Request)

Synopsis

The remote service could be identified.

Description

It was possible to identify the remote service by its banner or by looking at the error message it sends when it receives a 'HELP'

request.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2002/11/18, Modified: 2024/11/19

Plugin Output

tcp/13/daytime

```
Daytime is running on this port.
```

25220 - TCP/IP Timestamps Supported

Synopsis

The remote service implements TCP timestamps.

Description

The remote host implements TCP timestamps, as defined by RFC1323. A side effect of this feature is that the uptime of the remote host can sometimes be computed.

See Also

http://www.ietf.org/rfc/rfc1323.txt

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2007/05/16, Modified: 2023/10/17

Plugin Output

tcp/0

84821 - TLS ALPN Supported Protocol Enumeration

Synopsis

The remote host supports the TLS ALPN extension.

Description

The remote host supports the TLS ALPN extension. This plugin enumerates the protocols the extension supports.

See Also

https://tools.ietf.org/html/rfc7301

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2015/07/17, Modified: 2024/09/11

Plugin Output

tcp/8443/www

```
http/1.1
h2
```

121010 - TLS Version 1.1 Protocol Detection

Synopsis

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

Description

The remote service accepts connections encrypted using TLS 1.1.

TLS 1.1 lacks support for current and recommended cipher suites.

Ciphers that support encryption before MAC computation, and authenticated encryption modes such as GCM cannot be used with TLS 1.1

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

See Also

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

http://www.nessus.org/u?c8ae820d

Solution

Enable support for TLS 1.2 and/or 1.3, and disable support for TLS 1.1.

Risk Factor

None

References

XREF CWE:327

Plugin Information

Published: 2019/01/08, Modified: 2023/04/19

Plugin Output

tcp/3389/msrdp

```
TLSv1.1 is enabled and the server supports at least one cipher.
```

121010 - TLS Version 1.1 Protocol Detection

Synopsis

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

Description

The remote service accepts connections encrypted using TLS 1.1.

TLS 1.1 lacks support for current and recommended cipher suites.

Ciphers that support encryption before MAC computation, and authenticated encryption modes such as GCM cannot be used with TLS 1.1

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

See Also

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

http://www.nessus.org/u?c8ae820d

Solution

Enable support for TLS 1.2 and/or 1.3, and disable support for TLS 1.1.

Risk Factor

None

References

XREF CWE:327

Plugin Information

Published: 2019/01/08, Modified: 2023/04/19

Plugin Output

tcp/8443/www

```
TLSv1.1 is enabled and the server supports at least one cipher.
```

136318 - TLS Version 1.2 Protocol Detection

Synopsis

The remote service encrypts traffic using a version of TLS.

Description

The remote service accepts connections encrypted using TLS 1.2.

See Also

https://tools.ietf.org/html/rfc5246

Solution

N/A

Risk Factor

None

Plugin Information

Published: 2020/05/04, Modified: 2020/05/04

Plugin Output

tcp/3389/msrdp

```
TLSv1.2 is enabled and the server supports at least one cipher.
```

136318 - TLS Version 1.2 Protocol Detection

Synopsis

The remote service encrypts traffic using a version of TLS.

Description

The remote service accepts connections encrypted using TLS 1.2.

See Also

https://tools.ietf.org/html/rfc5246

Solution

N/A

Risk Factor

None

Plugin Information

Published: 2020/05/04, Modified: 2020/05/04

Plugin Output

tcp/8443/www

```
TLSv1.2 is enabled and the server supports at least one cipher.
```

110723 - Target Credential Status by Authentication Protocol - No Credentials Provided

Synopsis

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

Description

Nessus was not able to successfully authenticate directly to the remote target on an available authentication protocol. Nessus was able to connect to the remote port and identify that the service running on the port supports an authentication protocol, but Nessus failed to authenticate to the remote service using the provided credentials. There may have been a protocol failure that prevented authentication from being attempted or all of the provided credentials for the authentication protocol may be invalid. See plugin output for error details.

Please note the following :

- This plugin reports per protocol, so it is possible for valid credentials to be provided for one protocol and not another. For example, authentication may succeed via SSH but fail via SMB, while no credentials were provided for an available SNMP service.

- Providing valid credentials for all available authentication protocols may improve scan coverage, but the value of successful authentication for a given protocol may vary from target to target depending upon what data (if any) is gathered from the target via that protocol. For example, successful authentication via SSH is more valuable for Linux targets than for Windows targets, and likewise successful authentication via SMB is more valuable for Windows targets than for Linux targets.

Solution

n/a

Risk Factor

None

References

XREF IAVB:0001-B-0504

Plugin Information

Published: 2018/06/27, Modified: 2024/04/19

Plugin Output

tcp/0

```
SMB was detected on port 445 but no credentials were provided.
SMB local checks were not enabled.
```

64814 - Terminal Services Use SSL/TLS

Synopsis

The remote Terminal Services use SSL/TLS.

Description

The remote Terminal Services is configured to use SSL/TLS.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2013/02/22, Modified: 2023/07/10

Plugin Output

tcp/3389/msrdp

```
Subject Name:

Common Name: DESKTOP-9K1O4BT

Issuer Name:

Common Name: DESKTOP-9K1O4BT

Serial Number: 5D 68 A1 EA 56 2F 03 BE 41 C9 8D 5D 50 75 88 A0

Version: 3

Signature Algorithm: SHA-1 With RSA Encryption

Not Valid Before: Dec 18 16:39:05 2024 GMT
Not Valid After: Jun 19 16:39:05 2025 GMT

Public Key Info:

Algorithm: RSA Encryption
Key Length: 2048 bits
Public Key: 00 B7 CE 2B 94 CD 27 66 9E 9A 0D 95 61 AF 10 77 0D 3A 1E 8F
            6A 33 1B 0C 37 9C 75 78 A0 BD BF 70 AC 93 62 2D 0C C1 17 39
            9D AB 6B A0 A9 A4 48 D8 AB 68 14 05 FD CB 1B 7B 47 6B 93 4D
            E3 E2 B6 73 F4 A9 FA 9E CD 5A A1 ED 3F A1 B3 4C 1F 30 D4 EB
            E1 E1 0A D6 14 E0 BC EB C4 B0 37 2F B0 1F E9 59 3C 2D 56 BB
            A6 31 B8 ED 2C 92 C0 D9 1E 7F FC 7F 76 FA 90 51 E8 4E 12 09
            64 47 04 99 D3 CD 13 60 71 EC CA 51 5D 0C 40 13 AE FB 73 6F
            19 9E A3 60 41 72 B6 E0 96 66 68 93 49 7B D8 9E A6 1A 5C FF
            98 58 67 62 20 50 A1 A3 CD 87 0B 61 98 9D C6 AB C5 96 C9 10
            55 E5 45 3F 01 60 AA 93 CE 41 82 4D 1E E3 4C FC 5F AC 1D C7
            8B 44 96 0C E9 F7 3A B4 C6 E3 E9 4E 52 AD 8C FD 1D F2 D4 F7
```

```
            71 FC FC D9 ED 23 13 1E 93 3C 69 C0 68 EE 8A DA 25 03 7C 3E
            0F 18 BB 8A DE EB 6B A1 48 72 2A 51 E6 C8 FC 86 43
Exponent: 01 00 01

Signature Length: 256 bytes / 2048 bits
Signature: 00 AB 37 8B 6F 9D 03 2D 84 5E CC 6C 93 74 EB 35 F0 E7 A0 CB
           F1 A1 52 2E 45 8F 92 F8 FD 64 14 68 7C 29 6D 8D 62 33 2B 46
           A5 63 0E 49 10 73 D4 BC E1 E9 4C 37 DD 34 4C 98 A2 E7 37 73
           A3 0F 05 B2 5C E7 3C 17 1A 01 D5 95 B1 90 86 7E 5D 4A 45 25
           2A 02 E6 89 81 51 CC 36 CD BB 96 CB F9 33 DB FA 24 01 6A 52
           75 62 57 CC D8 85 BC B3 6C 86 1D B0 72 0B 03 DD 59 65 1F 03
           BF 00 0C 3E 75 5C FF 13 3F 90 60 55 46 89 4D B7 60 1F BE CE
           48 0F AF 9F 6F 2B F4 FF 6F 22 AA 60 38 EF C3 91 8E CF 3C A9
           5F 8D 3E 2E 26 F3 57 7F 9A B5 D6 11 34 B9 E5 54 95 67 DD A0
           75 75 8E C0 2A 36 C2 [...]
```

10287 - Traceroute Information

Synopsis

It was possible to obtain traceroute information.

Description

Makes a traceroute to the remote host.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 1999/11/27, Modified: 2023/12/04

Plugin Output

udp/0

```
For your information, here is the traceroute from 192.168.50.165 to 192.168.50.6 :
192.168.50.165
192.168.50.6

Hop Count: 1
```

135860 - WMI Not Available

Synopsis

WMI queries could not be made against the remote host.

Description

WMI (Windows Management Instrumentation) is not available on the remote host over DCOM. WMI queries are used to gather information about the remote host, such as its current state, network interface configuration, etc.

Without this information Nessus may not be able to identify installed software or security vunerabilities that exist on the remote host.

See Also

https://docs.microsoft.com/en-us/windows/win32/wmisdk/wmi-start-page

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2020/04/21, Modified: 2025/01/06

Plugin Output

tcp/445/cifs

```
Can't connect to the 'root\CIMV2' WMI namespace.
```

20108 - Web Server / Application favicon.ico Vendor Fingerprinting

Synopsis

The remote web server contains a graphic image that is prone to information disclosure.

Description

The 'favicon.ico' file found on the remote web server belongs to a popular web server. This may be used to fingerprint the web server.

Solution

Remove the 'favicon.ico' file or create a custom one for your site.

Risk Factor

None

Plugin Information

Published: 2005/10/28, Modified: 2020/06/12

Plugin Output

tcp/8080/www

```
MD5 fingerprint : 4644f2d45601037b8423d45e13194c93
Web server      : Apache Tomcat or Alfresco Community
```

11422 - Web Server Unconfigured - Default Install Page Present

Synopsis

The remote web server is not configured or is improperly configured.

Description

The remote web server uses its default welcome page. Therefore, it's probable that this server is not used at all or is serving content that is meant to be hidden.

Solution

Disable this service if you do not use it.

Risk Factor

None

Plugin Information

Published: 2003/03/20, Modified: 2018/08/15

Plugin Output

tcp/8080/www

```
The default welcome page is from Tomcat.
```

10150 - Windows NetBIOS / SMB Remote Host Information Disclosure

Synopsis

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

Description

The remote host is listening on UDP port 137 or TCP port 445, and replies to NetBIOS nbtscan or SMB requests.

Note that this plugin gathers information to be used in other plugins, but does not itself generate a report.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 1999/10/12, Modified: 2021/02/10

Plugin Output

udp/137/netbios-ns

```
The following 6 NetBIOS names have been gathered :

 WORKGROUP        = Workgroup / Domain name
 DESKTOP-9K1O4BT  = File Server Service
 DESKTOP-9K1O4BT  = Computer name
 WORKGROUP        = Browser Service Elections
 WORKGROUP        = Master Browser
 __MSBROWSE__     = Master Browser

The remote host has the following MAC address on its adapter :

   08:00:27:17:cf:6d
```