



BAD STORE

Report generated by Nessus™

Mon, 21 Feb 2022 12:38:38 EST

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Vulnerabilities by Host

192.168.152.135



Scan Information

Start time: Mon Feb 21 12:18:21 2022

End time: Mon Feb 21 12:38:38 2022

Host Information

IP: 192.168.152.135

OS: Linux Kernel 2.4

Vulnerabilities

11915 - Apache < 1.3.29 Multiple Modules Local Overflow

Synopsis

The remote web server is affected by multiple local buffer overflow vulnerabilities.

Description

The remote host appears to be running a version of the Apache web server which is older than 1.3.29. Such versions are reportedly affected by local buffer overflow vulnerabilities in the mod_alias and mod_rewrite modules. An attacker could exploit these vulnerabilities to execute arbitrary code in the context of the affected application.

*** Note that Nessus solely relied on the version number

*** of the remote server to issue this warning. This might

*** be a false positive

See Also

<https://www.securityfocus.com/archive/1/342674/30/0/threaded>

Solution

Upgrade to Apache web server version 1.3.29 or later.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 8911 |
| CVE | CVE-2003-0542 |
| XREF | Secunia:10096 |
| XREF | Secunia:10845 |
| XREF | Secunia:17311 |
| XREF | CWE:119 |

Plugin Information

Published: 2003/11/01, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Version source      : Server: Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Installed version   : 1.3.28
Fixed version       : 1.3.29
```

11915 - Apache < 1.3.29 Multiple Modules Local Overflow

Synopsis

The remote web server is affected by multiple local buffer overflow vulnerabilities.

Description

The remote host appears to be running a version of the Apache web server which is older than 1.3.29. Such versions are reportedly affected by local buffer overflow vulnerabilities in the mod_alias and mod_rewrite modules. An attacker could exploit these vulnerabilities to execute arbitrary code in the context of the affected application.

*** Note that Nessus solely relied on the version number
*** of the remote server to issue this warning. This might
*** be a false positive

See Also

<https://www.securityfocus.com/archive/1/342674/30/0/threaded>

Solution

Upgrade to Apache web server version 1.3.29 or later.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

BID 8911

| | |
|------|---------------|
| CVE | CVE-2003-0542 |
| XREF | Secunia:10096 |
| XREF | Secunia:10845 |
| XREF | Secunia:17311 |
| XREF | CWE:119 |

Plugin Information

Published: 2003/11/01, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Version source      : Server: Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Installed version   : 1.3.28
Fixed version       : 1.3.29
```

153583 - Apache < 2.4.49 Multiple Vulnerabilities

Synopsis

The remote web server is affected by a vulnerability.

Description

The version of Apache httpd installed on the remote host is prior to 2.4.49. It is, therefore, affected by a vulnerability as referenced in the 2.4.49 changelog.

- A crafted request uri-path can cause mod_proxy to forward the request to an origin server chosen by the remote user. (CVE-2021-40438)

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://downloads.apache.org/httpd/CHANGES_2.4

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

Solution

Upgrade to Apache version 2.4.49 or later.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

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)

STIG Severity

I

References

| | |
|------|---------------------------------|
| CVE | CVE-2021-40438 |
| XREF | IAVA:2021-A-0440-S |
| XREF | CISA-KNOWN-EXPLOITED:2021/12/15 |

Plugin Information

Published: 2021/09/23, Modified: 2022/01/26

Plugin Output

tcp/80/www

```
URL           : http://192.168.152.135/  
Installed version : 1.3.28  
Fixed version   : 2.4.49
```

153584 - Apache < 2.4.49 Multiple Vulnerabilities

Synopsis

The remote web server is affected by a vulnerability.

Description

The version of Apache httpd installed on the remote host is prior to 2.4.49. It is, therefore, affected by multiple vulnerabilities as referenced in the 2.4.49 changelog.

- ap_escape_quotes() may write beyond the end of a buffer when given malicious input. No included modules pass untrusted data to these functions, but third-party / external modules may. (CVE-2021-39275)
- Malformed requests may cause the server to dereference a NULL pointer. (CVE-2021-34798)

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://downloads.apache.org/httpd/CHANGES_2.4

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

Solution

Upgrade to Apache version 2.4.49 or later.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS 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)

STIG Severity

I

References

| | |
|------|--------------------|
| CVE | CVE-2021-34798 |
| CVE | CVE-2021-39275 |
| XREF | IAVA:2021-A-0440-S |

Plugin Information

Published: 2021/09/23, Modified: 2022/01/26

Plugin Output

tcp/80/www

```
URL          : http://192.168.152.135/  
Installed version : 1.3.28  
Fixed version  : 2.4.49
```

153583 - Apache < 2.4.49 Multiple Vulnerabilities

Synopsis

The remote web server is affected by a vulnerability.

Description

The version of Apache httpd installed on the remote host is prior to 2.4.49. It is, therefore, affected by a vulnerability as referenced in the 2.4.49 changelog.

- A crafted request uri-path can cause mod_proxy to forward the request to an origin server chosen by the remote user. (CVE-2021-40438)

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://downloads.apache.org/httpd/CHANGES_2.4

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

Solution

Upgrade to Apache version 2.4.49 or later.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

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)

STIG Severity

I

References

| | |
|------|---------------------------------|
| CVE | CVE-2021-40438 |
| XREF | IAVA:2021-A-0440-S |
| XREF | CISA-KNOWN-EXPLOITED:2021/12/15 |

Plugin Information

Published: 2021/09/23, Modified: 2022/01/26

Plugin Output

tcp/443/www

```
URL           : https://192.168.152.135/  
Installed version : 1.3.28  
Fixed version   : 2.4.49
```

153584 - Apache < 2.4.49 Multiple Vulnerabilities

Synopsis

The remote web server is affected by a vulnerability.

Description

The version of Apache httpd installed on the remote host is prior to 2.4.49. It is, therefore, affected by multiple vulnerabilities as referenced in the 2.4.49 changelog.

- ap_escape_quotes() may write beyond the end of a buffer when given malicious input. No included modules pass untrusted data to these functions, but third-party / external modules may. (CVE-2021-39275)
- Malformed requests may cause the server to dereference a NULL pointer. (CVE-2021-34798)

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://downloads.apache.org/httpd/CHANGES_2.4

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

Solution

Upgrade to Apache version 2.4.49 or later.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS 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)

STIG Severity

I

References

| | |
|------|--------------------|
| CVE | CVE-2021-34798 |
| CVE | CVE-2021-39275 |
| XREF | IAVA:2021-A-0440-S |

Plugin Information

Published: 2021/09/23, Modified: 2022/01/26

Plugin Output

tcp/443/www

```
URL          : https://192.168.152.135/  
Installed version : 1.3.28  
Fixed version  : 2.4.49
```

15555 - Apache mod_proxy Content-Length Overflow

Synopsis

The remote web server is affected by a heap-based buffer overflow vulnerability.

Description

The remote web server appears to be running a version of Apache that is older than version 1.3.32.

This version is reportedly vulnerable to a heap-based buffer overflow in proxy_util.c for mod_proxy. This issue may lead remote attackers to cause a denial of service and possibly execute arbitrary code on the server.

See Also

<https://seclists.org/fulldisclosure/2004/Jun/293>

<https://seclists.org/fulldisclosure/2004/Jun/297>

Solution

Upgrade to Apache 1.3.32 or later.

Risk Factor

Critical

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

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

References

| | |
|------|---------------|
| BID | 10508 |
| CVE | CVE-2004-0492 |
| XREF | RHSA:2004:245 |
| XREF | Secunia:11841 |
| XREF | Secunia:11854 |
| XREF | Secunia:11859 |
| XREF | Secunia:11866 |
| XREF | Secunia:11917 |
| XREF | Secunia:11946 |
| XREF | Secunia:11957 |

| | |
|------|---------------|
| XREF | Secunia:11968 |
| XREF | Secunia:12971 |
| XREF | Secunia:13115 |

Plugin Information

Published: 2004/10/25, Modified: 2020/06/12

Plugin Output

tcp/80/www

15555 - Apache mod_proxy Content-Length Overflow

Synopsis

The remote web server is affected by a heap-based buffer overflow vulnerability.

Description

The remote web server appears to be running a version of Apache that is older than version 1.3.32.

This version is reportedly vulnerable to a heap-based buffer overflow in proxy_util.c for mod_proxy. This issue may lead remote attackers to cause a denial of service and possibly execute arbitrary code on the server.

See Also

<https://seclists.org/fulldisclosure/2004/Jun/293>

<https://seclists.org/fulldisclosure/2004/Jun/297>

Solution

Upgrade to Apache 1.3.32 or later.

Risk Factor

Critical

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

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

References

| | |
|------|---------------|
| BID | 10508 |
| CVE | CVE-2004-0492 |
| XREF | RHSA:2004:245 |
| XREF | Secunia:11841 |
| XREF | Secunia:11854 |
| XREF | Secunia:11859 |
| XREF | Secunia:11866 |
| XREF | Secunia:11917 |
| XREF | Secunia:11946 |
| XREF | Secunia:11957 |

| | |
|------|---------------|
| XREF | Secunia:11968 |
| XREF | Secunia:12971 |
| XREF | Secunia:13115 |

Plugin Information

Published: 2004/10/25, Modified: 2020/06/12

Plugin Output

tcp/443/www

17757 - OpenSSL < 0.9.7l / 0.9.8d Multiple Vulnerabilities

Synopsis

The remote server is affected by multiple vulnerabilities.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.7l or 0.9.8d. As such, it is affected by multiple vulnerabilities :

- A remote attacker could trigger a denial of service, either via malformed ASN.1 structures or specially crafted public keys. (CVE-2006-2937, CVE-2006-3738)
- A remote attacker could execute arbitrary code on the remote server by exploiting a buffer overflow in the SSL_get_shared_ciphers function. (CVE-2006-2940)
- A remote attacker could crash a client by sending an invalid server Hello. (CVE-2006-4343)

See Also

<https://www.openssl.org/news/secadv/20060928.txt>

<https://www.us-cert.gov/ncas/alerts/ta06-333a>

Solution

Upgrade to OpenSSL 0.9.7l / 0.9.8d or later.

Risk Factor

Critical

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

| | |
|-----|---------------|
| BID | 20247 |
| BID | 20248 |
| BID | 20249 |
| CVE | CVE-2006-2937 |
| CVE | CVE-2006-3738 |
| CVE | CVE-2006-2940 |

| | |
|------|---------------|
| CVE | CVE-2006-4343 |
| XREF | CWE:119 |
| XREF | CWE:399 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.71
```

17757 - OpenSSL < 0.9.7l / 0.9.8d Multiple Vulnerabilities

Synopsis

The remote server is affected by multiple vulnerabilities.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.7l or 0.9.8d. As such, it is affected by multiple vulnerabilities :

- A remote attacker could trigger a denial of service, either via malformed ASN.1 structures or specially crafted public keys. (CVE-2006-2937, CVE-2006-3738)
- A remote attacker could execute arbitrary code on the remote server by exploiting a buffer overflow in the SSL_get_shared_ciphers function. (CVE-2006-2940)
- A remote attacker could crash a client by sending an invalid server Hello. (CVE-2006-4343)

See Also

<https://www.openssl.org/news/secadv/20060928.txt>

<https://www.us-cert.gov/ncas/alerts/ta06-333a>

Solution

Upgrade to OpenSSL 0.9.7l / 0.9.8d or later.

Risk Factor

Critical

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

| | |
|-----|---------------|
| BID | 20247 |
| BID | 20248 |
| BID | 20249 |
| CVE | CVE-2006-2937 |
| CVE | CVE-2006-3738 |
| CVE | CVE-2006-2940 |

| | |
|------|---------------|
| CVE | CVE-2006-4343 |
| XREF | CWE:119 |
| XREF | CWE:399 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.7l
```

78555 - OpenSSL Unsupported

Synopsis

An unsupported service is running on the remote host.

Description

According to its banner, the remote web server is running a version of OpenSSL that is no longer supported.

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

See Also

<https://www.openssl.org/policies/releasestrat.html>

<http://www.nessus.org/u?4d55548d>

Solution

Upgrade to a version of OpenSSL 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:I/C/A:C)

References

XREF IAVA:0001-A-0572

Plugin Information

Published: 2014/10/17, Modified: 2021/02/15

Plugin Output

tcp/80/www


```
Installed version : 0.9.7c
Supported versions : 1.0.2 / 1.1.1 / 3.0.0
EOL URL           : https://www.openssl.org/policies/releasestrat.html
```

78555 - OpenSSL Unsupported

Synopsis

An unsupported service is running on the remote host.

Description

According to its banner, the remote web server is running a version of OpenSSL that is no longer supported.

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

See Also

<https://www.openssl.org/policies/releasestrat.html>

<http://www.nessus.org/u?4d55548d>

Solution

Upgrade to a version of OpenSSL 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:I/C/A:C)

References

XREF IAVA:0001-A-0572

Plugin Information

Published: 2014/10/17, Modified: 2021/02/15

Plugin Output

tcp/443/www

```
Installed version : 0.9.7c
Supported versions : 1.0.2 / 1.1.1 / 3.0.0
EOL URL           : https://www.openssl.org/policies/releasestrat.html
```

34460 - Unsupported Web Server Detection

Synopsis

The remote web server is obsolete / unsupported.

Description

According to its version, the remote web server is obsolete and no longer maintained by its vendor or provider.

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

Solution

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

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

References

XREF IAVA:0001-A-0617

Plugin Information

Published: 2008/10/21, Modified: 2021/11/17

Plugin Output

tcp/80/www

```
Product          : Apache 1.x
Server response header : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Supported versions  : Apache HTTP Server 2.4.x
Additional information : http://archive.apache.org/dist/httpd/Announcement1.3.html
```

34460 - Unsupported Web Server Detection

Synopsis

The remote web server is obsolete / unsupported.

Description

According to its version, the remote web server is obsolete and no longer maintained by its vendor or provider.

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

Solution

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

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

References

XREF IAVA:0001-A-0617

Plugin Information

Published: 2008/10/21, Modified: 2021/11/17

Plugin Output

tcp/443/www

```
Product      : Apache 1.x
Server response header : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Supported versions : Apache HTTP Server 2.4.x
Additional information : http://archive.apache.org/dist/httpd/Announcement1.3.html
```

31654 - Apache < 1.3.37 mod_rewrite LDAP Protocol URL Handling Overflow

Synopsis

The remote version of Apache is vulnerable to an off-by-one buffer overflow attack.

Description

The remote host appears to be running a version of Apache which is older than 1.3.37.

This version contains an off-by-one buffer overflow in the mod_rewrite module.

See Also

<https://seclists.org/fulldisclosure/2006/Jul/671>

<https://www.securityfocus.com/archive//443870>

Solution

Upgrade to version 1.3.37 or later.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 19204 |
| CVE | CVE-2006-3747 |
| XREF | EDB-ID:3680 |
| XREF | CWE:189 |

Exploitable With

Core Impact (true) Metasploit (true)

Plugin Information

Published: 2008/03/26, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Version source      : Server: Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Installed version   : 1.3.28
Fixed version       : 1.3.37
```

31654 - Apache < 1.3.37 mod_rewrite LDAP Protocol URL Handling Overflow

Synopsis

The remote version of Apache is vulnerable to an off-by-one buffer overflow attack.

Description

The remote host appears to be running a version of Apache which is older than 1.3.37.

This version contains an off-by-one buffer overflow in the mod_rewrite module.

See Also

<https://seclists.org/fulldisclosure/2006/Jul/671>

<https://www.securityfocus.com/archive//443870>

Solution

Upgrade to version 1.3.37 or later.

Risk Factor

High

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 19204 |
| CVE | CVE-2006-3747 |
| XREF | EDB-ID:3680 |
| XREF | CWE:189 |

Exploitable With

Core Impact (true) Metasploit (true)

Plugin Information

Published: 2008/03/26, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Version source      : Server: Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Installed version   : 1.3.28
Fixed version       : 1.3.37
```

13651 - Apache mod_ssl ssl_engine_log.c mod_proxy Hook Function Remote Format String

Synopsis

The remote web server is using a module that is affected by a remote code execution vulnerability.

Description

The remote host is using a version vulnerable of mod_ssl which is older than 2.8.19. There is a format string condition in the log functions of the remote module which may allow an attacker to execute arbitrary code on the remote host.

*** Some vendors patched older versions of mod_ssl, so this
*** might be a false positive. Check with your vendor to determine
*** if you have a version of mod_ssl that is patched for this
*** vulnerability

See Also

<http://marc.info/?l=apache-modssl&m=109001100906749&w=2>

<https://marc.info/?l=bugtraq&m=109005001205991&w=2>

Solution

Upgrade to mod_ssl version 2.8.19 or newer

Risk Factor

High

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 10736

CVE CVE-2004-0700

Plugin Information

Published: 2004/07/16, Modified: 2020/12/22

Plugin Output

tcp/80/www

13651 - Apache mod_ssl ssl_engine_log.c mod_proxy Hook Function Remote Format String

Synopsis

The remote web server is using a module that is affected by a remote code execution vulnerability.

Description

The remote host is using a version vulnerable of mod_ssl which is older than 2.8.19. There is a format string condition in the log functions of the remote module which may allow an attacker to execute arbitrary code on the remote host.

*** Some vendors patched older versions of mod_ssl, so this
*** might be a false positive. Check with your vendor to determine
*** if you have a version of mod_ssl that is patched for this
*** vulnerability

See Also

<http://marc.info/?l=apache-modssl&m=109001100906749&w=2>

<https://marc.info/?l=bugtraq&m=109005001205991&w=2>

Solution

Upgrade to mod_ssl version 2.8.19 or newer

Risk Factor

High

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 10736

CVE CVE-2004-0700

Plugin Information

Published: 2004/07/16, Modified: 2020/12/22

Plugin Output

tcp/443/www

17760 - OpenSSL < 0.9.8f Multiple Vulnerabilities

Synopsis

The remote server is affected by multiple vulnerabilities.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.8f. As such, it is affected by the following vulnerabilities :

- A local attacker could perform a side-channel attack against the Montgomery multiplication code and retrieve RSA private keys. Note that this has not been exploited outside a laboratory environment. (CVE-2007-3108)
- A remote attacker could execute arbitrary code by exploiting an off-by-one error in the DTLS implementation. (CVE-2007-4995)

See Also

<http://web.archive.org/web/20071014185140/http://cvs.openssl.org:80/chngview?cn=16275>
<http://www.nessus.org/u?cbc3fb3e>
<http://www.kb.cert.org/vuls/id/RGII-74KLP3>
<https://www.openssl.org/news/secadv/20071012.txt>

Solution

Upgrade to OpenSSL 0.9.8f or later.

Risk Factor

High

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 | 25163 |
| BID | 26055 |
| CVE | CVE-2007-3108 |
| CVE | CVE-2007-4995 |
| XREF | CERT:724968 |

XREF

CWE:189

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.8f
```

17760 - OpenSSL < 0.9.8f Multiple Vulnerabilities

Synopsis

The remote server is affected by multiple vulnerabilities.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.8f. As such, it is affected by the following vulnerabilities :

- A local attacker could perform a side-channel attack against the Montgomery multiplication code and retrieve RSA private keys. Note that this has not been exploited outside a laboratory environment. (CVE-2007-3108)
- A remote attacker could execute arbitrary code by exploiting an off-by-one error in the DTLS implementation. (CVE-2007-4995)

See Also

<http://web.archive.org/web/20071014185140/http://cvs.openssl.org:80/chngview?cn=16275>
<http://www.nessus.org/u?cbc3fb3e>
<http://www.kb.cert.org/vuls/id/RGII-74KLP3>
<https://www.openssl.org/news/secadv/20071012.txt>

Solution

Upgrade to OpenSSL 0.9.8f or later.

Risk Factor

High

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 | 25163 |
| BID | 26055 |
| CVE | CVE-2007-3108 |
| CVE | CVE-2007-4995 |
| XREF | CERT:724968 |

XREF

CWE:189

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8f
```

57459 - OpenSSL < 0.9.8s Multiple Vulnerabilities

Synopsis

The remote web server has multiple SSL-related vulnerabilities.

Description

According to its banner, the remote web server is running a version of OpenSSL older than 0.9.8s. Such versions have the following vulnerabilities :

- An error exists related to ECDSA signatures and binary curves. The implementation of curves over binary fields could allow a remote, unauthenticated attacker to determine private key material via timing attacks. (CVE-2011-1945)
- The Datagram Transport Layer Security (DTLS) implementation is vulnerable to plaintext recovery attacks when decrypting in CBC mode. (CVE-2011-4108)
- A double-free error exists during a policy check failure if the flag 'X509_V_FLAG_POLICY_CHECK' is set. (CVE-2011-4109)
- An error exists related to SSLv3.0 records that can lead to disclosure of uninitialized memory because the library does not clear all bytes used as block cipher padding. (CVE-2011-4576)
- An error exists related to RFC 3779 processing that can allow denial of service attacks. Note that this functionality is not enabled by default and must be configured at compile time via the 'enable-rfc3779' option. (CVE-2011-4577)
- An error exists related to handshake restarts for server gated cryptography (SGC) that can allow denial of service attacks. (CVE-2011-4619)

See Also

<https://www.openssl.org/news/secadv/20120104.txt>

<https://www.openssl.org/news/changelog.html>

<http://www.nessus.org/u?c0f10f36>

<https://eprint.iacr.org/2011/232.pdf>

<http://cvs.openssl.org/chngview?cn=21301>

Solution

Upgrade to OpenSSL 0.9.8s or later.

Risk Factor

High

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 | 51281 |
| BID | 47888 |
| CVE | CVE-2011-1945 |
| CVE | CVE-2011-4108 |
| CVE | CVE-2011-4109 |
| CVE | CVE-2011-4576 |
| CVE | CVE-2011-4577 |
| CVE | CVE-2011-4619 |
| XREF | CERT:536044 |

Plugin Information

Published: 2012/01/09, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8s
```

57459 - OpenSSL < 0.9.8s Multiple Vulnerabilities

Synopsis

The remote web server has multiple SSL-related vulnerabilities.

Description

According to its banner, the remote web server is running a version of OpenSSL older than 0.9.8s. Such versions have the following vulnerabilities :

- An error exists related to ECDSA signatures and binary curves. The implementation of curves over binary fields could allow a remote, unauthenticated attacker to determine private key material via timing attacks. (CVE-2011-1945)
- The Datagram Transport Layer Security (DTLS) implementation is vulnerable to plaintext recovery attacks when decrypting in CBC mode. (CVE-2011-4108)
- A double-free error exists during a policy check failure if the flag 'X509_V_FLAG_POLICY_CHECK' is set. (CVE-2011-4109)
- An error exists related to SSLv3.0 records that can lead to disclosure of uninitialized memory because the library does not clear all bytes used as block cipher padding. (CVE-2011-4576)
- An error exists related to RFC 3779 processing that can allow denial of service attacks. Note that this functionality is not enabled by default and must be configured at compile time via the 'enable-rfc3779' option. (CVE-2011-4577)
- An error exists related to handshake restarts for server gated cryptography (SGC) that can allow denial of service attacks. (CVE-2011-4619)

See Also

<https://www.openssl.org/news/secadv/20120104.txt>

<https://www.openssl.org/news/changelog.html>

<http://www.nessus.org/u?c0f10f36>

<https://eprint.iacr.org/2011/232.pdf>

<http://cvs.openssl.org/chngview?cn=21301>

Solution

Upgrade to OpenSSL 0.9.8s or later.

Risk Factor

High

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 | 51281 |
| BID | 47888 |
| CVE | CVE-2011-1945 |
| CVE | CVE-2011-4108 |
| CVE | CVE-2011-4109 |
| CVE | CVE-2011-4576 |
| CVE | CVE-2011-4577 |
| CVE | CVE-2011-4619 |
| XREF | CERT:536044 |

Plugin Information

Published: 2012/01/09, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8s
```

58799 - OpenSSL < 0.9.8w ASN.1 asn1_d2i_read_bio Memory Corruption

Synopsis

The remote host may be affected by a memory corruption vulnerability.

Description

According to its banner, the remote web server is running a version of OpenSSL earlier than 0.9.8w. As such, the OpenSSL library itself is reportedly affected by a memory corruption vulnerability via an integer truncation error in the function 'asn1_d2i_read_bio' when reading ASN.1 DER format data.

Applications using the 'BIO' or 'FILE' based functions (i.e., 'd2i_*_bio' or 'd2i_*_fp' functions) are affected by this issue.

Also affected are 'S/MIME' or 'CMS' applications using 'SMIME_read_PKCS7' or 'SMIME_read_CMS' parsers. The OpenSSL command line utility is affected if used to handle untrusted DER formatted data.

Note that the SSL/TLS code of OpenSSL is not affected. Also not affected are applications using memory-based ASN.1 functions (e.g., 'd2i_X509', 'd2i_PKCS12', etc.) nor are applications using only PEM functions.

Note also that the original fix for CVE-2012-2110 in 0.9.8v was incomplete because the functions 'BUF_MEM_grow' and 'BUF_MEM_grow_clean', in file 'openssl/crypto/buffer/buffer.c', did not properly account for negative values of the argument 'len'.

See Also

<https://www.openssl.org/news/secadv/20120419.txt>

<http://seclists.org/fulldisclosure/2012/Apr/210>

<https://www.openssl.org/news/secadv/20120424.txt>

<http://cvs.openssl.org/chngview?cn=22479>

<https://www.openssl.org/news/changelog.html>

Solution

Upgrade to OpenSSL 0.9.8w or later.

Risk Factor

High

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

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

References

| | |
|------|---------------|
| BID | 53158 |
| BID | 53212 |
| CVE | CVE-2012-2110 |
| CVE | CVE-2012-2131 |
| XREF | EDB-ID:18756 |

Plugin Information

Published: 2012/04/24, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.8w
```

58799 - OpenSSL < 0.9.8w ASN.1 asn1_d2i_read_bio Memory Corruption

Synopsis

The remote host may be affected by a memory corruption vulnerability.

Description

According to its banner, the remote web server is running a version of OpenSSL earlier than 0.9.8w. As such, the OpenSSL library itself is reportedly affected by a memory corruption vulnerability via an integer truncation error in the function 'asn1_d2i_read_bio' when reading ASN.1 DER format data.

Applications using the 'BIO' or 'FILE' based functions (i.e., 'd2i_*_bio' or 'd2i_*_fp' functions) are affected by this issue.

Also affected are 'S/MIME' or 'CMS' applications using 'SMIME_read_PKCS7' or 'SMIME_read_CMS' parsers. The OpenSSL command line utility is affected if used to handle untrusted DER formatted data.

Note that the SSL/TLS code of OpenSSL is not affected. Also not affected are applications using memory-based ASN.1 functions (e.g., 'd2i_X509', 'd2i_PKCS12', etc.) nor are applications using only PEM functions.

Note also that the original fix for CVE-2012-2110 in 0.9.8v was incomplete because the functions 'BUF_MEM_grow' and 'BUF_MEM_grow_clean', in file 'openssl/crypto/buffer/buffer.c', did not properly account for negative values of the argument 'len'.

See Also

<https://www.openssl.org/news/secadv/20120419.txt>

<http://seclists.org/fulldisclosure/2012/Apr/210>

<https://www.openssl.org/news/secadv/20120424.txt>

<http://cvs.openssl.org/chngview?cn=22479>

<https://www.openssl.org/news/changelog.html>

Solution

Upgrade to OpenSSL 0.9.8w or later.

Risk Factor

High

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

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

References

| | |
|------|---------------|
| BID | 53158 |
| BID | 53212 |
| CVE | CVE-2012-2110 |
| CVE | CVE-2012-2131 |
| XREF | EDB-ID:18756 |

Plugin Information

Published: 2012/04/24, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.8w
```

12255 - mod_ssl ssl_util_uuencode_binary Remote Overflow

Synopsis

Arbitrary code can be executed on the remote host.

Description

The remote host is using a version of mod_ssl that is older than 2.8.18.

This version is vulnerable to a flaw that could allow an attacker to disable the remote website remotely, or to execute arbitrary code on the remote host.

Note that several Linux distributions patched the old version of this module. Therefore, this alert might be a false-positive. Please check with your vendor to determine if you really are vulnerable to this flaw.

Solution

Upgrade to version 2.8.18 (Apache 1.3) or to Apache 2.0.50.

Risk Factor

High

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 | 10355 |
| CVE | CVE-2004-0488 |

Plugin Information

Published: 2004/05/29, Modified: 2018/07/14

Plugin Output

tcp/80/www

12255 - mod_ssl ssl_util_uuencode_binary Remote Overflow

Synopsis

Arbitrary code can be executed on the remote host.

Description

The remote host is using a version of mod_ssl that is older than 2.8.18.

This version is vulnerable to a flaw that could allow an attacker to disable the remote website remotely, or to execute arbitrary code on the remote host.

Note that several Linux distributions patched the old version of this module. Therefore, this alert might be a false-positive. Please check with your vendor to determine if you really are vulnerable to this flaw.

Solution

Upgrade to version 2.8.18 (Apache 1.3) or to Apache 2.0.50.

Risk Factor

High

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 | 10355 |
| CVE | CVE-2004-0488 |

Plugin Information

Published: 2004/05/29, Modified: 2018/07/14

Plugin Output

tcp/443/www

17696 - Apache HTTP Server 403 Error Page UTF-7 Encoded XSS

Synopsis

The web server running on the remote host has a cross-site scripting vulnerability.

Description

According to its banner, the version of Apache HTTP Server running on the remote host can be used in cross-site scripting (XSS) attacks. Making a specially crafted request can inject UTF-7 encoded script code into a 403 response page, resulting in XSS attacks.

This is actually a web browser vulnerability that occurs due to non-compliance with RFC 2616 (refer to BID 29112). Apache HTTP Server is not vulnerable, but its default configuration can trigger the non-compliant, exploitable behavior in vulnerable browsers.

See Also

<https://seclists.org/bugtraq/2008/May/109>

<https://seclists.org/bugtraq/2008/May/166>

Solution

Upgrade to Apache HTTP Server 2.2.8 / 2.0.63 / 1.3.41 or later. These versions use a default configuration setting that prevents exploitation in vulnerable web browsers.

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 v3.0 Temporal Score

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

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

BID 29112

CVE CVE-2008-2168
XREF CWE:79

Plugin Information

Published: 2011/11/18, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Version source   : Server: Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c  
Installed version : 1.3.28  
Fixed version    : 1.3.41
```

17696 - Apache HTTP Server 403 Error Page UTF-7 Encoded XSS

Synopsis

The web server running on the remote host has a cross-site scripting vulnerability.

Description

According to its banner, the version of Apache HTTP Server running on the remote host can be used in cross-site scripting (XSS) attacks. Making a specially crafted request can inject UTF-7 encoded script code into a 403 response page, resulting in XSS attacks.

This is actually a web browser vulnerability that occurs due to non-compliance with RFC 2616 (refer to BID 29112). Apache HTTP Server is not vulnerable, but its default configuration can trigger the non-compliant, exploitable behavior in vulnerable browsers.

See Also

<https://seclists.org/bugtraq/2008/May/109>

<https://seclists.org/bugtraq/2008/May/166>

Solution

Upgrade to Apache HTTP Server 2.2.8 / 2.0.63 / 1.3.41 or later. These versions use a default configuration setting that prevents exploitation in vulnerable web browsers.

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 v3.0 Temporal Score

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

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

BID 29112

CVE CVE-2008-2168
XREF CWE:79

Plugin Information

Published: 2011/11/18, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Version source      : Server: Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c  
Installed version   : 1.3.28  
Fixed version       : 1.3.41
```

88098 - Apache Server ETag Header Information Disclosure

Synopsis

The remote web server is affected by an information disclosure vulnerability.

Description

The remote web server is affected by an information disclosure vulnerability due to the ETag header providing sensitive information that could aid an attacker, such as the inode number of requested files.

See Also

<http://httpd.apache.org/docs/2.2/mod/core.html#FileETag>

Solution

Modify the HTTP ETag header of the web server to not include file inodes in the ETag header calculation. Refer to the linked Apache documentation for more information.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 6939 |
| CVE | CVE-2003-1418 |
| XREF | CWE:200 |

Plugin Information

Plugin Output

tcp/80/www

```
Nessus was able to determine that the Apache Server listening on  
port 80 leaks the servers inode numbers in the ETag HTTP  
Header field :
```

```
Source           : ETag: "14b-dff-44679e27"  
Inode number     : 331  
File size        : 3583 bytes  
File modification time : May. 14, 2006 at 21:16:23 GMT
```

88098 - Apache Server ETag Header Information Disclosure

Synopsis

The remote web server is affected by an information disclosure vulnerability.

Description

The remote web server is affected by an information disclosure vulnerability due to the ETag header providing sensitive information that could aid an attacker, such as the inode number of requested files.

See Also

<http://httpd.apache.org/docs/2.2/mod/core.html#FileETag>

Solution

Modify the HTTP ETag header of the web server to not include file inodes in the ETag header calculation. Refer to the linked Apache documentation for more information.

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 6939 |
| CVE | CVE-2003-1418 |
| XREF | CWE:200 |

Plugin Information

Plugin Output

tcp/443/www

```
Nessus was able to determine that the Apache Server listening on  
port 443 leaks the servers inode numbers in the ETag HTTP  
Header field :
```

```
Source           : ETag: "14b-dff-44679e27"  
Inode number     : 331  
File size        : 3583 bytes  
File modification time : May. 14, 2006 at 21:16:23 GMT
```

40984 - Browsable Web Directories

Synopsis

Some directories on the remote web server are browsable.

Description

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

See Also

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

Solution

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

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v2.0 Base Score

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

Plugin Information

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

Plugin Output

tcp/80/www

The following directories are browsable :

```
http://192.168.152.135/DoingBusiness/  
http://192.168.152.135/Procedures/  
http://192.168.152.135/backup/  
http://192.168.152.135/images/  
http://192.168.152.135/scanbot/
```

11213 - HTTP TRACE / TRACK Methods Allowed

Synopsis

Debugging functions are enabled on the remote web server.

Description

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

See Also

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

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

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

Solution

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

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|-----|-------|
| BID | 9506 |
| BID | 9561 |
| BID | 11604 |
| BID | 33374 |

| | |
|------|---------------|
| BID | 37995 |
| CVE | CVE-2003-1567 |
| CVE | CVE-2004-2320 |
| CVE | CVE-2010-0386 |
| XREF | CERT:288308 |
| XREF | CERT:867593 |
| XREF | CWE:16 |
| XREF | CWE:200 |

Plugin Information

Published: 2003/01/23, Modified: 2020/06/12

Plugin Output

tcp/80/www

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

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

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

Nessus sent the following TRACE request :

```
----- snip -----
TRACE /Nessus1536313864.html HTTP/1.1
Connection: Close
Host: 192.168.152.135
Pragma: no-cache
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
Accept-Language: en
Accept-Charset: iso-8859-1,*,utf-8
```

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

and received the following response from the remote server :

```
----- snip -----
HTTP/1.1 200 OK
Date: Mon, 21 Feb 2022 17:20:20 GMT
Server: Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: message/http

TRACE /Nessus1536313864.html HTTP/1.1
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
Accept-Charset: iso-8859-1,*,utf-8
Accept-Language: en
Connection: Keep-Alive
Host: 192.168.152.135
```

```
Pragma: no-cache  
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
```

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

11213 - HTTP TRACE / TRACK Methods Allowed

Synopsis

Debugging functions are enabled on the remote web server.

Description

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

See Also

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

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

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

Solution

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

Risk Factor

Medium

CVSS v3.0 Base Score

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

CVSS v3.0 Temporal Score

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

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|-----|-------|
| BID | 9506 |
| BID | 9561 |
| BID | 11604 |
| BID | 33374 |

| | |
|------|---------------|
| BID | 37995 |
| CVE | CVE-2003-1567 |
| CVE | CVE-2004-2320 |
| CVE | CVE-2010-0386 |
| XREF | CERT:288308 |
| XREF | CERT:867593 |
| XREF | CWE:16 |
| XREF | CWE:200 |

Plugin Information

Published: 2003/01/23, Modified: 2020/06/12

Plugin Output

tcp/443/www

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

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

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

Nessus sent the following TRACE request :

```
----- snip -----
TRACE /Nessus1699593899.html HTTP/1.1
Connection: Close
Host: 192.168.152.135
Pragma: no-cache
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
Accept-Language: en
Accept-Charset: iso-8859-1,*,utf-8
```

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

and received the following response from the remote server :

```
----- snip -----
HTTP/1.1 200 OK
Date: Mon, 21 Feb 2022 17:20:20 GMT
Server: Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Connection: close
Transfer-Encoding: chunked
Content-Type: message/http

TRACE /Nessus1699593899.html HTTP/1.1
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, image/png, */*
Accept-Charset: iso-8859-1,*,utf-8
Accept-Language: en
Connection: Close
Host: 192.168.152.135
Pragma: no-cache
```

User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)

----- snip -----

59076 - OpenSSL 0.9.8 < 0.9.8x DTLS CBC Denial of Service

Synopsis

The remote host may be affected by a denial of service vulnerability.

Description

According to its banner, the remote web server is running a version of OpenSSL 0.9.8 earlier than 0.9.8x. As such, the OpenSSL library itself is reportedly affected by a denial of service vulnerability.

An integer underflow error exists in the file 'ssl/d1_enc.c' in the function 'dtls1_enc'. When in CBC mode, DTLS record length values and explicit initialization vector length values related to DTLS packets are not handled properly, which can lead to memory corruption and application crashes.

See Also

<https://www.openssl.org/news/secadv/20120510.txt>
<https://www.openssl.org/news/changelog.html>
<http://cvs.openssl.org/chngview?cn=22538>
https://bugzilla.redhat.com/show_bug.cgi?id=820686

Solution

Upgrade to OpenSSL 0.9.8x or later.

Risk Factor

Medium

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

| | |
|-----|---------------|
| BID | 53476 |
| CVE | CVE-2012-2333 |

Plugin Information

Published: 2012/05/11, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8x
```

59076 - OpenSSL 0.9.8 < 0.9.8x DTLS CBC Denial of Service

Synopsis

The remote host may be affected by a denial of service vulnerability.

Description

According to its banner, the remote web server is running a version of OpenSSL 0.9.8 earlier than 0.9.8x. As such, the OpenSSL library itself is reportedly affected by a denial of service vulnerability.

An integer underflow error exists in the file 'ssl/d1_enc.c' in the function 'dtls1_enc'. When in CBC mode, DTLS record length values and explicit initialization vector length values related to DTLS packets are not handled properly, which can lead to memory corruption and application crashes.

See Also

<https://www.openssl.org/news/secadv/20120510.txt>
<https://www.openssl.org/news/changelog.html>
<http://cvs.openssl.org/chngview?cn=22538>
https://bugzilla.redhat.com/show_bug.cgi?id=820686

Solution

Upgrade to OpenSSL 0.9.8x or later.

Risk Factor

Medium

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

| | |
|-----|---------------|
| BID | 53476 |
| CVE | CVE-2012-2333 |

Plugin Information

Published: 2012/05/11, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8x
```

17750 - OpenSSL < 0.9.6m / 0.9.7d Denial of Service

Synopsis

The remote server is vulnerable to a denial of service attack.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.6m or 0.9.7d.

A remote attacker can crash the server by sending an overly long Kerberos ticket or a crafted SSL/TLS handshake.

See Also

<https://www.us-cert.gov/ncas/alerts/ta04-078a>

<https://www.openssl.org/news/secadv/20040317.txt>

<http://marc.info/?l=bugtraq&m=107953412903636&w=2>

Solution

Upgrade to OpenSSL 0.9.6m / 0.9.7d or later.

Risk Factor

Medium

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

| | |
|------|---------------|
| BID | 9899 |
| CVE | CVE-2004-0079 |
| CVE | CVE-2004-0112 |
| XREF | CERT:484726 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.7d
```


17750 - OpenSSL < 0.9.6m / 0.9.7d Denial of Service

Synopsis

The remote server is vulnerable to a denial of service attack.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.6m or 0.9.7d.

A remote attacker can crash the server by sending an overly long Kerberos ticket or a crafted SSL/TLS handshake.

See Also

<https://www.us-cert.gov/ncas/alerts/ta04-078a>

<https://www.openssl.org/news/secadv/20040317.txt>

<http://marc.info/?l=bugtraq&m=107953412903636&w=2>

Solution

Upgrade to OpenSSL 0.9.6m / 0.9.7d or later.

Risk Factor

Medium

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

| | |
|------|---------------|
| BID | 9899 |
| CVE | CVE-2004-0079 |
| CVE | CVE-2004-0112 |
| XREF | CERT:484726 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c  
Reported version : 0.9.7c  
Fixed version  : 0.9.7d
```

12110 - OpenSSL < 0.9.6m / 0.9.7d Multiple Remote DoS

Synopsis

The remote service is prone to a denial of service attack.

Description

According to its banner, the remote host is using a version of OpenSSL which is older than 0.9.6m / 0.9.7d. There are several bugs in such versions that may allow an attacker to cause a denial of service against the remote host.

See Also

<https://www.openssl.org/news/secadv/20040317.txt>

<https://seclists.org/bugtraq/2004/Mar/155>

Solution

Upgrade to version 0.9.6m / 0.9.7d or newer.

Risk Factor

Medium

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

| | |
|-----|---------------|
| BID | 9899 |
| CVE | CVE-2004-0079 |
| CVE | CVE-2004-0081 |
| CVE | CVE-2004-0112 |

Plugin Information

Published: 2004/03/17, Modified: 2018/11/15

Plugin Output

tcp/80/www

12110 - OpenSSL < 0.9.6m / 0.9.7d Multiple Remote DoS

Synopsis

The remote service is prone to a denial of service attack.

Description

According to its banner, the remote host is using a version of OpenSSL which is older than 0.9.6m / 0.9.7d. There are several bugs in such versions that may allow an attacker to cause a denial of service against the remote host.

See Also

<https://www.openssl.org/news/secadv/20040317.txt>

<https://seclists.org/bugtraq/2004/Mar/155>

Solution

Upgrade to version 0.9.6m / 0.9.7d or newer.

Risk Factor

Medium

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

| | |
|-----|---------------|
| BID | 9899 |
| CVE | CVE-2004-0079 |
| CVE | CVE-2004-0081 |
| CVE | CVE-2004-0112 |

Plugin Information

Published: 2004/03/17, Modified: 2018/11/15

Plugin Output

tcp/443/www

17755 - OpenSSL < 0.9.7h / 0.9.8a Protocol Version Rollback

Synopsis

The remote server is vulnerable to man-in-the-middle attacks.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.7h or 0.9.8a.

If the SSL_OP_MSIE_SSLV2_RSA_PADDING option is used, a remote attacker could force a client to downgrade to a weaker protocol and implement a man-in-the-middle attack.

See Also

<https://www.openssl.org/news/secadv/20051011.txt>

Solution

Upgrade to OpenSSL 0.9.7h / 0.9.8a or later.

Risk Factor

Medium

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

| | |
|-----|---------------|
| BID | 15071 |
| CVE | CVE-2005-2969 |

Plugin Information

Published: 2012/01/04, Modified: 2018/07/16

Plugin Output

tcp/80/www

Banner : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c

Reported version : 0.9.7c
Fixed version : 0.9.7h

17755 - OpenSSL < 0.9.7h / 0.9.8a Protocol Version Rollback

Synopsis

The remote server is vulnerable to man-in-the-middle attacks.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.7h or 0.9.8a.

If the SSL_OP_MSIE_SSLV2_RSA_PADDING option is used, a remote attacker could force a client to downgrade to a weaker protocol and implement a man-in-the-middle attack.

See Also

<https://www.openssl.org/news/secadv/20051011.txt>

Solution

Upgrade to OpenSSL 0.9.7h / 0.9.8a or later.

Risk Factor

Medium

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

| | |
|-----|---------------|
| BID | 15071 |
| CVE | CVE-2005-2969 |

Plugin Information

Published: 2012/01/04, Modified: 2018/07/16

Plugin Output

tcp/443/www

Banner : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c

Reported version : 0.9.7c
Fixed version : 0.9.7h

17756 - OpenSSL < 0.9.7k / 0.9.8c PKCS Padding RSA Signature Forgery Vulnerability

Synopsis

The SSL layer on the remote server does not properly verify signatures.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.7k or 0.9.8c.

These versions do not properly verify PKCS #1 v1.5 signatures and X509 certificates when the RSA exponent is 3.

See Also

<https://www.openssl.org/news/secadv/20060905.txt>

<https://www.us-cert.gov/ncas/alerts/ta06-333a>

Solution

Upgrade to OpenSSL 0.9.7k / 0.9.8c or later.

Risk Factor

Medium

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 19849 |
| CVE | CVE-2006-4339 |
| XREF | CERT:845620 |
| XREF | CWE:310 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

192.168.152.135

tcp/80/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c  
Reported version : 0.9.7c  
Fixed version  : 0.9.7k
```

17756 - OpenSSL < 0.9.7k / 0.9.8c PKCS Padding RSA Signature Forgery Vulnerability

Synopsis

The SSL layer on the remote server does not properly verify signatures.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.7k or 0.9.8c.

These versions do not properly verify PKCS #1 v1.5 signatures and X509 certificates when the RSA exponent is 3.

See Also

<https://www.openssl.org/news/secadv/20060905.txt>

<https://www.us-cert.gov/ncas/alerts/ta06-333a>

Solution

Upgrade to OpenSSL 0.9.7k / 0.9.8c or later.

Risk Factor

Medium

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 19849 |
| CVE | CVE-2006-4339 |
| XREF | CERT:845620 |
| XREF | CWE:310 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

192.168.152.135

tcp/443/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c  
Reported version : 0.9.7c  
Fixed version  : 0.9.7k
```

17759 - OpenSSL < 0.9.8 Weak Default Configuration

Synopsis

The default configuration of OpenSSL on the remote server uses a weak hash algorithm.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.8.

The default configuration uses MD5 instead of a stronger hash algorithm. An attacker could forge certificates.

If you never generate certificates on this machine, you may ignore this warning.

See Also

<https://bugs.launchpad.net/ubuntu/+source/openssl/+bug/19835>

<https://usn.ubuntu.com/179-1/>

Solution

Upgrade to OpenSSL 0.9.8 or later.

Risk Factor

Medium

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-2005-2946

XREF CWE:310

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c  
Reported version : 0.9.7c  
Fixed version  : 0.9.8
```

17759 - OpenSSL < 0.9.8 Weak Default Configuration

Synopsis

The default configuration of OpenSSL on the remote server uses a weak hash algorithm.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.8.

The default configuration uses MD5 instead of a stronger hash algorithm. An attacker could forge certificates.

If you never generate certificates on this machine, you may ignore this warning.

See Also

<https://bugs.launchpad.net/ubuntu/+source/openssl/+bug/19835>

<https://usn.ubuntu.com/179-1/>

Solution

Upgrade to OpenSSL 0.9.8 or later.

Risk Factor

Medium

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-2005-2946

XREF CWE:310

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8
```


56996 - OpenSSL < 0.9.8h Multiple Vulnerabilities

Synopsis

The remote web server has multiple SSL-related vulnerabilities.

Description

According to its banner, the remote web server uses a version of OpenSSL older than 0.9.8h. As such, it may be affected by the following vulnerabilities :

- A double-free error exists related to the handling of server name extension data and specially crafted TLS 1.0 'Client Hello' packets. This can cause application crashes. Note that successful exploitation requires that OpenSSL is compiled with the TLS server name extensions.

(CVE-2008-0891)

- A NULL pointer dereference error exists related to anonymous Diffie-Hellman key exchange and TLS handshakes. This can be exploited by omitting the 'Server Key exchange message' from the handshake and can cause application crashes. (CVE-2008-1672)

- On 32-bit builds, an information disclosure vulnerability exists during certain calculations for NIST elliptic curves P-256 or P-384. This error can allow an attacker to recover the private key of the TLS server.

The following are required for exploitation :

- 32-bit build
- Use of elliptic curves P-256 and/or P-384
- Either the use of ECDH family ciphers and/or the use of ECDHE family ciphers without the SSL_OP_SINGLE_ECDH_USE context option

(CVE-2011-4354)

Note that Nessus has not attempted to verify that these issues are actually exploitable or have been patched but instead has relied on the version number found in the Server response header.

See Also

<https://www.openwall.com/lists/oss-security/2011/12/01/6>

<https://www.openssl.org/news/secadv/20080528.txt>

Solution

Upgrade to OpenSSL 0.9.8h or later or apply the vendor-supplied patches.

Risk Factor

Medium

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 29405 |
| BID | 50882 |
| CVE | CVE-2008-0891 |
| CVE | CVE-2008-1672 |
| CVE | CVE-2011-4354 |
| XREF | CERT:520586 |
| XREF | CERT:661475 |
| XREF | CWE:189 |
| XREF | CWE:287 |

Plugin Information

Published: 2011/12/02, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8h
```

56996 - OpenSSL < 0.9.8h Multiple Vulnerabilities

Synopsis

The remote web server has multiple SSL-related vulnerabilities.

Description

According to its banner, the remote web server uses a version of OpenSSL older than 0.9.8h. As such, it may be affected by the following vulnerabilities :

- A double-free error exists related to the handling of server name extension data and specially crafted TLS 1.0 'Client Hello' packets. This can cause application crashes. Note that successful exploitation requires that OpenSSL is compiled with the TLS server name extensions.

(CVE-2008-0891)

- A NULL pointer dereference error exists related to anonymous Diffie-Hellman key exchange and TLS handshakes. This can be exploited by omitting the 'Server Key exchange message' from the handshake and can cause application crashes. (CVE-2008-1672)

- On 32-bit builds, an information disclosure vulnerability exists during certain calculations for NIST elliptic curves P-256 or P-384. This error can allow an attacker to recover the private key of the TLS server.

The following are required for exploitation :

- 32-bit build
- Use of elliptic curves P-256 and/or P-384
- Either the use of ECDH family ciphers and/or the use of ECDHE family ciphers without the SSL_OP_SINGLE_ECDH_USE context option

(CVE-2011-4354)

Note that Nessus has not attempted to verify that these issues are actually exploitable or have been patched but instead has relied on the version number found in the Server response header.

See Also

<https://www.openwall.com/lists/oss-security/2011/12/01/6>

<https://www.openssl.org/news/secadv/20080528.txt>

Solution

Upgrade to OpenSSL 0.9.8h or later or apply the vendor-supplied patches.

Risk Factor

Medium

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 29405 |
| BID | 50882 |
| CVE | CVE-2008-0891 |
| CVE | CVE-2008-1672 |
| CVE | CVE-2011-4354 |
| XREF | CERT:520586 |
| XREF | CERT:661475 |
| XREF | CWE:189 |
| XREF | CWE:287 |

Plugin Information

Published: 2011/12/02, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8h
```

17761 - OpenSSL < 0.9.8i Denial of Service

Synopsis

The remote server is affected by a denial of service vulnerability.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.8i.

A remote attacker can crash the server by sending a DTLS ChangeCipherSpec packet before the ClientHello.

See Also

<http://cvs.openssl.org/chngview?cn=17369>

<https://rt.openssl.org/Ticket/Display.html?id=1679&user=guest&pass=guest>

Solution

Upgrade to OpenSSL 0.9.8i or later.

Risk Factor

Medium

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

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

References

| | |
|------|---------------|
| BID | 35174 |
| CVE | CVE-2009-1386 |
| XREF | EDB-ID:8873 |

Exploitable With

Core Impact (true)

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8i
```

17761 - OpenSSL < 0.9.8i Denial of Service

Synopsis

The remote server is affected by a denial of service vulnerability.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.8i.

A remote attacker can crash the server by sending a DTLS ChangeCipherSpec packet before the ClientHello.

See Also

<http://cvs.openssl.org/chngview?cn=17369>

<https://rt.openssl.org/Ticket/Display.html?id=1679&user=guest&pass=guest>

Solution

Upgrade to OpenSSL 0.9.8i or later.

Risk Factor

Medium

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

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

References

| | |
|------|---------------|
| BID | 35174 |
| CVE | CVE-2009-1386 |
| XREF | EDB-ID:8873 |

Exploitable With

Core Impact (true)

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c  
Reported version : 0.9.7c  
Fixed version  : 0.9.8i
```


17762 - OpenSSL < 0.9.8j Signature Spoofing

Synopsis

The remote server is affected by a signature validation bypass vulnerability.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.8j.

A remote attacker could implement a man-in-the-middle attack by forging an SSL/TLS signature using DSA and ECDSA keys which bypass validation of the certificate chain.

See Also

<https://www.us-cert.gov/ncas/alerts/TA09-133A>

Solution

Upgrade to OpenSSL 0.9.8j or later.

Risk Factor

Medium

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 33150 |
| CVE | CVE-2008-5077 |
| XREF | CWE:20 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c  
Reported version : 0.9.7c  
Fixed version  : 0.9.8j
```

17762 - OpenSSL < 0.9.8j Signature Spoofing

Synopsis

The remote server is affected by a signature validation bypass vulnerability.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.8j.

A remote attacker could implement a man-in-the-middle attack by forging an SSL/TLS signature using DSA and ECDSA keys which bypass validation of the certificate chain.

See Also

<https://www.us-cert.gov/ncas/alerts/TA09-133A>

Solution

Upgrade to OpenSSL 0.9.8j or later.

Risk Factor

Medium

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|------|---------------|
| BID | 33150 |
| CVE | CVE-2008-5077 |
| XREF | CWE:20 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c  
Reported version : 0.9.7c  
Fixed version  : 0.9.8j
```

17763 - OpenSSL < 0.9.8k Multiple Vulnerabilities

Synopsis

The remote server is affected by multiple vulnerabilities.

Description

According to its banner, the remote server is running a version of OpenSSL prior to 0.9.8k. It is, therefore, affected by multiple vulnerabilities :

- A denial of service vulnerability exists in the ASN1_STRING_print_ex() function due to improper string handling. A remote attacker can exploit this to cause an invalid memory access and application crash.

(CVE-2009-0590)

- A flaw exists in the CMS_verify() function due to improper handling of errors associated with malformed signed attributes. A remote attacker can exploit this to repudiate a signature that originally appeared to be valid but was actually invalid. (CVE-2009-0591)

- A denial of service vulnerability exists due to improper handling of malformed ASN.1 structures. A remote attacker can exploit this to cause an invalid memory access and application crash. (CVE-2009-0789)

- A memory leak exists in the SSL_free() function in ssl_lib.c. A remote attacker can exploit this to exhaust memory resources, resulting in a denial of service condition. (CVE-2009-5146)

See Also

<https://www.openssl.org/news/secadv/20090325.txt>

Solution

Upgrade to OpenSSL version 0.9.8k or later.

Risk Factor

Medium

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

| | |
|-----|---------------|
| BID | 34256 |
| BID | 73121 |
| CVE | CVE-2009-0590 |

| | |
|------|---------------|
| CVE | CVE-2009-0591 |
| CVE | CVE-2009-0789 |
| CVE | CVE-2009-5146 |
| XREF | CWE:119 |
| XREF | CWE:189 |
| XREF | CWE:287 |

Plugin Information

Published: 2012/01/04, Modified: 2018/07/16

Plugin Output

tcp/80/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.8k
```

17763 - OpenSSL < 0.9.8k Multiple Vulnerabilities

Synopsis

The remote server is affected by multiple vulnerabilities.

Description

According to its banner, the remote server is running a version of OpenSSL prior to 0.9.8k. It is, therefore, affected by multiple vulnerabilities :

- A denial of service vulnerability exists in the ASN1_STRING_print_ex() function due to improper string handling. A remote attacker can exploit this to cause an invalid memory access and application crash.

(CVE-2009-0590)

- A flaw exists in the CMS_verify() function due to improper handling of errors associated with malformed signed attributes. A remote attacker can exploit this to repudiate a signature that originally appeared to be valid but was actually invalid. (CVE-2009-0591)

- A denial of service vulnerability exists due to improper handling of malformed ASN.1 structures. A remote attacker can exploit this to cause an invalid memory access and application crash. (CVE-2009-0789)

- A memory leak exists in the SSL_free() function in ssl_lib.c. A remote attacker can exploit this to exhaust memory resources, resulting in a denial of service condition. (CVE-2009-5146)

See Also

<https://www.openssl.org/news/secadv/20090325.txt>

Solution

Upgrade to OpenSSL version 0.9.8k or later.

Risk Factor

Medium

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

| | |
|-----|---------------|
| BID | 34256 |
| BID | 73121 |
| CVE | CVE-2009-0590 |

| | |
|------|---------------|
| CVE | CVE-2009-0591 |
| CVE | CVE-2009-0789 |
| CVE | CVE-2009-5146 |
| XREF | CWE:119 |
| XREF | CWE:189 |
| XREF | CWE:287 |

Plugin Information

Published: 2012/01/04, Modified: 2018/07/16

Plugin Output

tcp/443/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.8k
```


17765 - OpenSSL < 0.9.8l Multiple Vulnerabilities

Synopsis

The remote server is affected by multiple vulnerabilities.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.8l. As such, it may be affected by multiple vulnerabilities :

- A remote attacker could crash the server by sending malformed ASN.1 data. This flaw only affects some architectures, Win64 and other unspecified platforms. (CVE-2009-0789)
- A remote attacker could saturate the server by sending a big number of 'future epoch' DTLS records. (CVE-2009-1377)
- A remote attacker could saturate the server by sending duplicate DTLS records, or DTLS records with too big sequence numbers. (CVE-2009-1378)
- A remote attacker could spoof certificates by computing MD2 hash collisions. (CVE-2009-2409)

See Also

<http://voodoo-circle.sourceforge.net/sa/sa-20090326-01.html>

<https://www.openssl.org/news/secadv/20090325.txt>

<http://voodoo-circle.sourceforge.net/sa/sa-20091012-01.html>

<https://rt.openssl.org/Ticket/Display.html?id=1930&user=guest&pass=guest>

<https://rt.openssl.org/Ticket/Display.html?id=1931&user=guest&pass=guest>

<http://cvs.openssl.org/chngview?cn=18187>

<http://cvs.openssl.org/chngview?cn=18188>

Solution

Upgrade to OpenSSL 0.9.8l or later.

Risk Factor

Medium

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

| | |
|------|---------------|
| BID | 34256 |
| BID | 35001 |
| CVE | CVE-2009-0789 |
| CVE | CVE-2009-1377 |
| CVE | CVE-2009-1378 |
| CVE | CVE-2009-2409 |
| XREF | EDB-ID:8720 |
| XREF | CWE:119 |
| XREF | CWE:189 |
| XREF | CWE:310 |
| XREF | CWE:399 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.81
```

17765 - OpenSSL < 0.9.8l Multiple Vulnerabilities

Synopsis

The remote server is affected by multiple vulnerabilities.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.8l. As such, it may be affected by multiple vulnerabilities :

- A remote attacker could crash the server by sending malformed ASN.1 data. This flaw only affects some architectures, Win64 and other unspecified platforms. (CVE-2009-0789)
- A remote attacker could saturate the server by sending a big number of 'future epoch' DTLS records. (CVE-2009-1377)
- A remote attacker could saturate the server by sending duplicate DTLS records, or DTLS records with too big sequence numbers. (CVE-2009-1378)
- A remote attacker could spoof certificates by computing MD2 hash collisions. (CVE-2009-2409)

See Also

<http://voodoo-circle.sourceforge.net/sa/sa-20090326-01.html>

<https://www.openssl.org/news/secadv/20090325.txt>

<http://voodoo-circle.sourceforge.net/sa/sa-20091012-01.html>

<https://rt.openssl.org/Ticket/Display.html?id=1930&user=guest&pass=guest>

<https://rt.openssl.org/Ticket/Display.html?id=1931&user=guest&pass=guest>

<http://cvs.openssl.org/chngview?cn=18187>

<http://cvs.openssl.org/chngview?cn=18188>

Solution

Upgrade to OpenSSL 0.9.8l or later.

Risk Factor

Medium

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

| | |
|------|---------------|
| BID | 34256 |
| BID | 35001 |
| CVE | CVE-2009-0789 |
| CVE | CVE-2009-1377 |
| CVE | CVE-2009-1378 |
| CVE | CVE-2009-2409 |
| XREF | EDB-ID:8720 |
| XREF | CWE:119 |
| XREF | CWE:189 |
| XREF | CWE:310 |
| XREF | CWE:399 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.81
```

58564 - OpenSSL < 0.9.8u Multiple Vulnerabilities

Synopsis

The remote host may be affected by multiple vulnerabilities.

Description

According to its banner, the remote web server uses an OpenSSL version prior to 0.9.8u. As such, it is reportedly affected by the following vulnerabilities :

- An error exists in the function 'mime_hdr_cmp' that could allow a NULL pointer to be dereferenced when parsing certain MIME headers. (CVE-2006-7250)
- The fix for CVE-2011-4619 was not complete.
- An error exists in the Cryptographic Message Syntax (CMS) and PKCS #7 implementation such that data can be decrypted using Million Message Attack (MMA) adaptive chosen cipher text attack. (CVE-2012-0884)
- An error exists in the function 'mime_param_cmp' in the file 'crypto/asn1/asn_mime.c' that can allow a NULL pointer to be dereferenced when handling certain S/MIME content. (CVE-2012-1165)

Note that SSL/TLS applications are not necessarily affected, but those using CMS, PKCS #7 and S/MIME decryption operations are.

See Also

<https://marc.info/?l=openssl-dev&m=115685408414194&w=2>

<https://www.openssl.org/news/secadv/20120312.txt>

<https://www.openssl.org/news/changelog.html>

<https://www.openwall.com/lists/oss-security/2012/03/13/2>

<https://www.openwall.com/lists/oss-security/2012/02/28/14>

<http://www.nessus.org/u?82fc5c0b>

<https://rt.openssl.org/Ticket/Display.html?id=2711&user=guest&pass=guest>

Solution

Upgrade to OpenSSL 0.9.8u or later.

Risk Factor

Medium

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|-----|---------------|
| BID | 51281 |
| BID | 52181 |
| BID | 52428 |
| BID | 52764 |
| CVE | CVE-2006-7250 |
| CVE | CVE-2011-4619 |
| CVE | CVE-2012-0884 |
| CVE | CVE-2012-1165 |

Plugin Information

Published: 2012/04/02, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.8u
```

58564 - OpenSSL < 0.9.8u Multiple Vulnerabilities

Synopsis

The remote host may be affected by multiple vulnerabilities.

Description

According to its banner, the remote web server uses an OpenSSL version prior to 0.9.8u. As such, it is reportedly affected by the following vulnerabilities :

- An error exists in the function 'mime_hdr_cmp' that could allow a NULL pointer to be dereferenced when parsing certain MIME headers. (CVE-2006-7250)
- The fix for CVE-2011-4619 was not complete.
- An error exists in the Cryptographic Message Syntax (CMS) and PKCS #7 implementation such that data can be decrypted using Million Message Attack (MMA) adaptive chosen cipher text attack. (CVE-2012-0884)
- An error exists in the function 'mime_param_cmp' in the file 'crypto/asn1/asn_mime.c' that can allow a NULL pointer to be dereferenced when handling certain S/MIME content. (CVE-2012-1165)

Note that SSL/TLS applications are not necessarily affected, but those using CMS, PKCS #7 and S/MIME decryption operations are.

See Also

<https://marc.info/?l=openssl-dev&m=115685408414194&w=2>

<https://www.openssl.org/news/secadv/20120312.txt>

<https://www.openssl.org/news/changelog.html>

<https://www.openwall.com/lists/oss-security/2012/03/13/2>

<https://www.openwall.com/lists/oss-security/2012/02/28/14>

<http://www.nessus.org/u?82fc5c0b>

<https://rt.openssl.org/Ticket/Display.html?id=2711&user=guest&pass=guest>

Solution

Upgrade to OpenSSL 0.9.8u or later.

Risk Factor

Medium

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|-----|---------------|
| BID | 51281 |
| BID | 52181 |
| BID | 52428 |
| BID | 52764 |
| CVE | CVE-2006-7250 |
| CVE | CVE-2011-4619 |
| CVE | CVE-2012-0884 |
| CVE | CVE-2012-1165 |

Plugin Information

Published: 2012/04/02, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Banner          : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version    : 0.9.8u
```


85582 - Web Application Potentially Vulnerable to Clickjacking

Synopsis

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

Description

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

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

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

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

See Also

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

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

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

Solution

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

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

Risk Factor

Medium

CVSS v2.0 Base Score

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

References

XREF CWE:693

Plugin Information

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

Plugin Output

tcp/80/www

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

- <http://192.168.152.135/>
- <http://192.168.152.135/cgi-bin/badstore.cgi>

85582 - Web Application Potentially Vulnerable to Clickjacking

Synopsis

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

Description

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

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

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

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

See Also

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

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

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

Solution

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

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

Risk Factor

Medium

CVSS v2.0 Base Score

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

References

XREF CWE:693

Plugin Information

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

Plugin Output

tcp/443/www

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

- <https://192.168.152.135/>
- <https://192.168.152.135/cgi-bin/badstore.cgi>

17754 - OpenSSL < 0.9.7f Insecure Temporary File Creation

Synopsis

Arbitrary files could be overwritten on the remote server.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.7f.

The der_chop script that is shipped with these versions allows a malicious user to overwrite arbitrary files.

Note that this was fixed in the 0.9.6 CVS but no new version was published in the 0.9.6 branch.

See Also

<https://www.openssl.org/news/vulnerabilities.html#2004-0975>

Solution

Upgrade to OpenSSL 0.9.7f or later.

Risk Factor

Low

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|-----|---------------|
| BID | 11293 |
| CVE | CVE-2004-0975 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/80/www

Banner : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c

Reported version : 0.9.7c
Fixed version : 0.9.7f

17754 - OpenSSL < 0.9.7f Insecure Temporary File Creation

Synopsis

Arbitrary files could be overwritten on the remote server.

Description

According to its banner, the remote server is running a version of OpenSSL that is earlier than 0.9.7f.

The der_chop script that is shipped with these versions allows a malicious user to overwrite arbitrary files.

Note that this was fixed in the 0.9.6 CVS but no new version was published in the 0.9.6 branch.

See Also

<https://www.openssl.org/news/vulnerabilities.html#2004-0975>

Solution

Upgrade to OpenSSL 0.9.7f or later.

Risk Factor

Low

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|-----|---------------|
| BID | 11293 |
| CVE | CVE-2004-0975 |

Plugin Information

Published: 2012/01/04, Modified: 2018/11/15

Plugin Output

tcp/443/www

Banner : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c

Reported version : 0.9.7c
Fixed version : 0.9.7f

64532 - OpenSSL < 0.9.8y Multiple Vulnerabilities

Synopsis

The remote host may be affected by multiple vulnerabilities.

Description

According to its banner, the remote web server is running a version of OpenSSL prior to 0.9.8y. The OpenSSL library is, therefore, reportedly affected by the following vulnerabilities :

- An error exists related to the handling of OCSP response verification that could allow denial of service attacks.

(CVE-2013-0166)

- An error exists related to the SSL/TLS/DTLS protocols, CBC mode encryption and response time. An attacker could obtain plaintext contents of encrypted traffic via timing attacks. (CVE-2013-0169)

See Also

<https://www.openssl.org/news/secadv/20130204.txt>

Solution

Upgrade to OpenSSL 0.9.8y or later.

Risk Factor

Low

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|-----|---------------|
| BID | 57778 |
| BID | 60268 |
| CVE | CVE-2013-0166 |
| CVE | CVE-2013-0169 |

Plugin Information

Published: 2013/02/09, Modified: 2019/12/04

Plugin Output

tcp/80/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8y
```

64532 - OpenSSL < 0.9.8y Multiple Vulnerabilities

Synopsis

The remote host may be affected by multiple vulnerabilities.

Description

According to its banner, the remote web server is running a version of OpenSSL prior to 0.9.8y. The OpenSSL library is, therefore, reportedly affected by the following vulnerabilities :

- An error exists related to the handling of OCSP response verification that could allow denial of service attacks.

(CVE-2013-0166)

- An error exists related to the SSL/TLS/DTLS protocols, CBC mode encryption and response time. An attacker could obtain plaintext contents of encrypted traffic via timing attacks. (CVE-2013-0169)

See Also

<https://www.openssl.org/news/secadv/20130204.txt>

Solution

Upgrade to OpenSSL 0.9.8y or later.

Risk Factor

Low

CVSS v2.0 Base Score

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

CVSS v2.0 Temporal Score

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

References

| | |
|-----|---------------|
| BID | 57778 |
| BID | 60268 |
| CVE | CVE-2013-0166 |
| CVE | CVE-2013-0169 |

Plugin Information

Published: 2013/02/09, Modified: 2019/12/04

Plugin Output

tcp/443/www

```
Banner      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
Fixed version  : 0.9.8y
```

48204 - Apache HTTP Server Version

Synopsis

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

Description

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

See Also

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

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0530

Plugin Information

Published: 2010/07/30, Modified: 2020/09/22

Plugin Output

tcp/80/www

```
URL      : http://192.168.152.135/
Version  : 1.3.28
backported : 0
modules  : mod_ssl/2.8.15 OpenSSL/0.9.7c
os       : Unix
```

48204 - Apache HTTP Server Version

Synopsis

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

Description

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

See Also

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

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0530

Plugin Information

Published: 2010/07/30, Modified: 2020/09/22

Plugin Output

tcp/443/www

```
URL      : https://192.168.152.135/
Version  : 1.3.28
backported : 0
modules  : mod_ssl/2.8.15 OpenSSL/0.9.7c
os       : Unix
```

33817 - CGI Generic Tests Load Estimation (all tests)

Synopsis

Load estimation for web application tests.

Description

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

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

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

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/10/26, Modified: 2021/01/19

Plugin Output

tcp/80/www

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

arbitrary command execution (time based) : S=144          SP=144          AP=156          SC=0
AC=156
format string                          : S=48            SP=48            AP=52            SC=0          AC=52

cross-site scripting (comprehensive test): S=96            SP=96            AP=104           SC=0

injectable parameter                   : S=48            SP=48            AP=52            SC=0          AC=52

arbitrary command execution             : S=384           SP=384           AP=416           SC=0
AC=416
local file inclusion                    : S=24            SP=24            AP=26            SC=0          AC=26

directory traversal                      : S=600           SP=600           AP=650           SC=0

web code injection                      : S=24            SP=24            AP=26            SC=0          AC=26

blind SQL injection (4 requests)        : S=96            SP=96            AP=104           SC=0
AC=104
```

| | | | | | |
|--|----------|---------|---------|------|-------|
| persistent XSS AC=104 | : S=96 | SP=96 | AP=104 | SC=0 | |
| directory traversal (write access) | : S=48 | SP=48 | AP=52 | SC=0 | AC=52 |
| XML injection | : S=24 | SP=24 | AP=26 | SC=0 | AC=26 |
| blind SQL injection AC=312 | : S=288 | SP=288 | AP=312 | SC=0 | |
| SQL injection AC=624 | : S=576 | SP=576 | AP=624 | SC=0 | |
| directory traversal (extended test) AC=1326 | : S=1224 | SP=1224 | AP=1326 | SC=0 | |
| SSI injection | : S=72 | SP=72 | AP=78 | SC=0 | AC=78 |
| unseen parameters AC=910 | : S=840 | SP=840 | AP=910 | SC=0 | |
| SQL injection (2nd order) | [...] | | | | |

33817 - CGI Generic Tests Load Estimation (all tests)

Synopsis

Load estimation for web application tests.

Description

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

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

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

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/10/26, Modified: 2021/01/19

Plugin Output

tcp/443/www

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

injectable parameter           : S=8          SP=8          AP=12          SC=0          AC=12
blind SQL injection (4 requests) : S=16       SP=16       AP=24          SC=0          AC=24
arbitrary command execution (time based) : S=24       SP=24       AP=36          SC=0          AC=36
cross-site scripting (comprehensive test): S=16       SP=16       AP=24          SC=0          AC=24
directory traversal (extended test) : S=204      SP=204      AP=306         SC=0          AC=306
arbitrary command execution     : S=64       SP=64       AP=96          SC=0          AC=96
local file inclusion            : S=4        SP=4        AP=6           SC=0          AC=6
web code injection              : S=4        SP=4        AP=6           SC=0          AC=6
SQL injection                   : S=96       SP=96       AP=144         SC=0          AC=144
```

| | | | | | |
|------------------------------------|---------|--------|--------|------|-------|
| directory traversal (write access) | : S=8 | SP=8 | AP=12 | SC=0 | AC=12 |
| unseen parameters | : S=140 | SP=140 | AP=210 | SC=0 | |
| AC=210 | | | | | |
| format string | : S=8 | SP=8 | AP=12 | SC=0 | AC=12 |
| directory traversal | : S=100 | SP=100 | AP=150 | SC=0 | |
| AC=150 | | | | | |
| XML injection | : S=4 | SP=4 | AP=6 | SC=0 | AC=6 |
| persistent XSS | : S=16 | SP=16 | AP=24 | SC=0 | AC=24 |
| SSI injection | : S=12 | SP=12 | AP=18 | SC=0 | AC=18 |
| SQL injection (2nd order) | : S=4 | SP=4 | AP=6 | SC=0 | AC=6 |
| blind SQL injection | [...] | | | | |

49704 - External URLs

Synopsis

Links to external sites were gathered.

Description

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/80/www

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

```
http://backup/ - //backup  
http://scanbot/ - //scanbot  
http://supplier/ - //supplier
```

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: 2021/05/19

Plugin Output

tcp/443/www

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

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/12/10, Modified: 2019/03/19

Plugin Output

tcp/80/www

Based on the response to an OPTIONS request :

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

//cgi-bin
/cgi-bin

- HTTP methods HEAD OPTIONS TRACE GET are allowed on :

/
//backup
//scanbot
//supplier
/DoingBusiness
/Procedures
/backup
/icons
/images
/scanbot

Based on tests of each method :

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

//cgi-bin
/cgi-bin

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

/
//backup
//scanbot
//supplier
/DoingBusiness
/Procedures
/backup
/icons
/images
/scanbot

- Invalid/unknown HTTP methods are allowed on :

//cgi-bin
/cgi-bin

43111 - HTTP Methods Allowed (per directory)

Synopsis

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

Description

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

The following HTTP methods are considered insecure:

PUT, DELETE, CONNECT, TRACE, HEAD

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

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

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

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

See Also

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

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

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

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2009/12/10, Modified: 2019/03/19

Plugin Output

tcp/443/www

Based on the response to an OPTIONS request :

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

//cgi-bin
/cgi-bin

- HTTP methods HEAD OPTIONS TRACE GET are allowed on :

/
//backup
//scanbot
//supplier
/DoingBusiness
/Procedures
/backup
/icons
/images
/scanbot

Based on tests of each method :

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

//cgi-bin
/cgi-bin

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

/
//backup
//scanbot
//supplier
/DoingBusiness
/Procedures
/backup
/icons
/images
/scanbot

- Invalid/unknown HTTP methods are allowed on :

//cgi-bin
/cgi-bin

10107 - HTTP Server Type and Version

Synopsis

A web server is running on the remote host.

Description

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

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0931

Plugin Information

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

Plugin Output

tcp/80/www

```
The remote web server type is :  
Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
```

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/443/www

```
The remote web server type is :  
Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
```

24260 - HyperText Transfer Protocol (HTTP) Information

Synopsis

Some information about the remote HTTP configuration can be extracted.

Description

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

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/80/www

Response Code : HTTP/1.1 200 OK

Protocol version : HTTP/1.1

SSL : no

Keep-Alive : yes

Options allowed : GET, HEAD, OPTIONS, TRACE

Headers :

Date: Mon, 21 Feb 2022 17:21:30 GMT

Server: Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c

Last-Modified: Sun, 14 May 2006 21:16:23 GMT

ETag: "14b-dff-44679e27"

Accept-Ranges: bytes

Content-Length: 3583

Keep-Alive: timeout=15, max=100

Connection: Keep-Alive

Content-Type: text/html

Response Body :

<HTML><HEAD><TITLE>Welcome to BadStore.net v1.2.3s</TITLE></HEAD>

<BODY bgColor=#ffffff leftMargin=0 topMargin=0 MARGINHEIGHT="0" MARGINWIDTH="0">

<TABLE cellSpacing=0 cellPadding=0 width=760 bgColor=#004b2c border=0>

<TBODY>

<TR>

```

        <TD width=326 bgColor=#004b2c>
<IMG height=60 alt="BadStore.net" hspace=0 src="/images/BadStore.jpg"
width=350
border=0>
    </TD></TR></TBODY></TABLE>
<TABLE cellSpacing=0 cellPadding=0 width=760 border=0>
    <TBODY>
    <TR valign=top align=left>
        <TD valign=top width=143 bgColor=#e0e0e0>
            <TABLE cellSpacing=0 cellPadding=0 width=143 bgColor=#004b2c border=0>
                <FORM name=search onsubmit=/cgi-bin/badstore.cgi
method=get>
                <TBODY>
                <TR>
                    <TD valign=top width=143 colSpan=3>
                        <TABLE cellSpacing=0 cellPadding=0 width=143 border=0>
                            <TBODY>
                            <TR bgColor=#004b2c>
                                </TR>
                                <TR valign=center bgColor=#004b2c width="138">
                                    <TD class=normal width=94 height=30>&nbsp;<INPUT class=normal
maxLength=60 size=10 name=searchquery> </TD>
                                <TD colspan=2>
<font color=yellow size=2 face=Arial><Center><B>Quick Item Search</B></Center></font>
                                    <TD width=44>
                                        <BR><INPUT type=hidden value='search' name='action'>
                                        <INPUT
                                        onclick="Go Search" type=image height=25 alt="Go Search"
                                        width=44
                                        src="/images/index.gif"
                                        border=0></A></TD></TR>
                                <TR bgColor=#004b2c>
                                    </TR>
                                </TD></TR></TBODY></TABLE>
        </TD>
    </TR>
    </TBODY>
</TABLE>
[...]
```

24260 - HyperText Transfer Protocol (HTTP) Information

Synopsis

Some information about the remote HTTP configuration can be extracted.

Description

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

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

Solution

n/a

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/443/www

Response Code : HTTP/1.0 200 OK

Protocol version : HTTP/1.0

SSL : yes

Keep-Alive : no

Options allowed : GET, HEAD, OPTIONS, TRACE

Headers :

Date: Mon, 21 Feb 2022 17:21:31 GMT

Server: Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c

Last-Modified: Sun, 14 May 2006 21:16:23 GMT

ETag: "14b-dff-44679e27"

Accept-Ranges: bytes

Content-Length: 3583

Connection: close

Content-Type: text/html

Response Body :

<HTML><HEAD><TITLE>Welcome to BadStore.net v1.2.3s</TITLE></HEAD>

<BODY bgColor=#ffffff leftMargin=0 topMargin=0 MARGINHEIGHT="0" MARGINWIDTH="0">

<TABLE cellSpacing=0 cellPadding=0 width=760 bgColor=#004b2c border=0>

<TBODY>

<TR>

<TD width=326 bgColor=#004b2c>

```

<IMG height=60 alt="BadStore.net" hspace=0 src="/images/BadStore.jpg"
width=350
border=0>
</TD></TR></TBODY></TABLE>
<TABLE cellSpacing=0 cellPadding=0 width=760 border=0>
<TBODY>
<TR valign=top align=left>
<TD valign=top width=143 bgColor=#e0e0e0>
<TABLE cellSpacing=0 cellPadding=0 width=143 bgColor=#004b2c border=0>
<FORM name=search onSubmit=/cgi-bin/badstore.cgi
method=get>
<TBODY>
<TR>
<TD valign=top width=143 colSpan=3>
<TABLE cellSpacing=0 cellPadding=0 width=143 border=0>
<TBODY>
<TR bgColor=#004b2c>
</TR>
<TR valign=center bgColor=#004b2c width="138">
<TD class=normal width=94 height=30>&nbsp;<INPUT class=normal
maxLength=60 size=10 name=searchquery> </TD>
<font color=yellow size=2 face=Arial><Center><B>Quick Item Search</B></Center></font>
<TD width=44>
<BR><INPUT type=hidden value='search' name='action'>
<INPUT
onclick="Go Search" type=image height=25 alt="Go Search"
width=44
src="/images/index.gif"
border=0></A></TD></TR>
<TR bgColor=#004b2c>
</TR>
<TR>
<TD colSpan= [...]

```

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

Synopsis

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

Description

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

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

See Also

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

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

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

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

Solution

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

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/80/www

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

- <http://192.168.152.135/>
- <http://192.168.152.135/DoingBusiness/>
- <http://192.168.152.135/Procedures/>
- <http://192.168.152.135/Procedures/UploadProc.html>
- <http://192.168.152.135/backup/>
- <http://192.168.152.135/cgi-bin/badstore.cgi>
- <http://192.168.152.135/cgi-bin/bsheader.cgi>
- <http://192.168.152.135/images/>
- <http://192.168.152.135/scanbot/>
- <http://192.168.152.135/scanbot/deth2botz.html>
- <http://192.168.152.135/scanbot/scanbot>

- <http://192.168.152.135/scanbot/scanbot.html>

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

Synopsis

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

Description

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

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

See Also

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

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

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

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

Solution

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

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/443/www

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

- <https://192.168.152.135/>
- <https://192.168.152.135/Procedures/UploadProc.html>
- <https://192.168.152.135/cgi-bin/badstore.cgi>
- <https://192.168.152.135/cgi-bin/bsheader.cgi>
- <https://192.168.152.135/scanbot/scanbot.html>

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

Synopsis

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

Description

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

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

See Also

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

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

Solution

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

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/80/www

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

- http://192.168.152.135/
- http://192.168.152.135/DoingBusiness/
- http://192.168.152.135/Procedures/
- http://192.168.152.135/Procedures/UploadProc.html
- http://192.168.152.135/backup/
- http://192.168.152.135/cgi-bin/badstore.cgi
- http://192.168.152.135/cgi-bin/bsheader.cgi
- http://192.168.152.135/images/
- http://192.168.152.135/scanbot/
- http://192.168.152.135/scanbot/deth2botz.html
- http://192.168.152.135/scanbot/scanbot
- http://192.168.152.135/scanbot/scanbot.html

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

Synopsis

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

Description

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

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

See Also

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

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

Solution

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

Risk Factor

None

Plugin Information

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

Plugin Output

tcp/443/www

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

- <https://192.168.152.135/>
- <https://192.168.152.135/Procedures/UploadProc.html>
- <https://192.168.152.135/cgi-bin/badstore.cgi>
- <https://192.168.152.135/cgi-bin/bsheader.cgi>
- <https://192.168.152.135/scanbot/scanbot.html>

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: 2022/02/14

Plugin Output

tcp/80/www

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

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2022/02/14

Plugin Output

tcp/443/www

```
Port 443/tcp was found to be open
```

Synopsis

It is possible to determine which TCP ports are open.

Description

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

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

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2022/02/14

Plugin Output

tcp/3306

```
Port 3306/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: 2021/09/27

Plugin Output

tcp/0

Information about this scan :

```
Nessus version : 10.1.1
Nessus build : X20061
Plugin feed version : 202202200611
Scanner edition used : Nessus Home
Scanner OS : LINUX
Scanner distribution : debian6-x86-64
Scan type : Normal
Scan name : BAD STORE
```

```
Scan policy used : Web Application Tests
Scanner IP : 192.168.152.132
Port scanner(s) : nessus_syn_scanner
Port range : default
Ping RTT : 151.469 ms
Thorough tests : no
Experimental tests : no
Paranoia level : 1
Report verbosity : 1
Safe checks : yes
Optimize the test : yes
Credentialled checks : no
Patch management checks : None
Display superseded patches : yes (supersedence plugin did not launch)
CGI scanning : enabled
Web application tests : enabled
Web app tests - Test mode : single
Web app tests - Try all HTTP methods : no
Web app tests - Maximum run time : 5 minutes.
Web app tests - Stop at first flaw : CGI
Max hosts : 30
Max checks : 4
Recv timeout : 5
Backports : None
Allow post-scan editing: Yes
Scan Start Date : 2022/2/21 12:18 EST
Scan duration : 1212 sec
```


57323 - OpenSSL Version Detection

Synopsis

Nessus was able to detect the OpenSSL version.

Description

Nessus was able to extract the OpenSSL version from the web server's banner. Note that security patches in many cases are backported and the displayed version number does not show the patch level. Using it to identify vulnerable software is likely to lead to false detections.

See Also

<https://www.openssl.org/>

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0682

Plugin Information

Published: 2011/12/16, Modified: 2020/09/22

Plugin Output

tcp/80/www

```
Source      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
```

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Description

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See Also

<https://www.openssl.org/>

Solution

n/a

Risk Factor

None

References

XREF IAVT:0001-T-0682

Plugin Information

Published: 2011/12/16, Modified: 2020/09/22

Plugin Output

tcp/443/www

```
Source      : Apache/1.3.28 (Unix) mod_ssl/2.8.15 OpenSSL/0.9.7c
Reported version : 0.9.7c
```

Synopsis

The remote web server hosts linkable content that can be crawled by Nessus.

Description

The remote web server contains linkable content that can be used to gather information about a target.

See Also

<http://www.nessus.org/u?5496c8d9>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2016/06/24, Modified: 2016/06/24

Plugin Output

tcp/80/www

The following sitemap was created from crawling linkable content on the target host :

- <http://192.168.152.135/>
- http://192.168.152.135/BadStore_net_v1_2_Manual.pdf
- <http://192.168.152.135/DoingBusiness/>
- <http://192.168.152.135/DoingBusiness/contract.doc>
- <http://192.168.152.135/Procedures/>
- <http://192.168.152.135/Procedures/UploadProc.html>
- <http://192.168.152.135/backup/>
- <http://192.168.152.135/cgi-bin/badstore.cgi>
- <http://192.168.152.135/cgi-bin/bsheader.cgi>
- <http://192.168.152.135/images/>
- <http://192.168.152.135/images/1000.jpg>
- <http://192.168.152.135/images/1001.jpg>
- <http://192.168.152.135/images/1002.jpg>
- <http://192.168.152.135/images/1003.jpg>
- <http://192.168.152.135/images/1004.jpg>
- <http://192.168.152.135/images/1005.jpg>
- <http://192.168.152.135/images/1006.jpg>
- <http://192.168.152.135/images/1007.jpg>
- <http://192.168.152.135/images/1008.jpg>
- <http://192.168.152.135/images/1009.jpg>
- <http://192.168.152.135/images/1010.jpg>
- <http://192.168.152.135/images/1011.jpg>

- <http://192.168.152.135/images/1012.jpg>
- <http://192.168.152.135/images/1013.jpg>
- <http://192.168.152.135/images/1014.jpg>
- <http://192.168.152.135/images/9999.jpg>
- <http://192.168.152.135/images/BadStore.jpg>
- <http://192.168.152.135/images/amex.jpg>
- <http://192.168.152.135/images/bucket.jpg>
- <http://192.168.152.135/images/cart.jpg>
- <http://192.168.152.135/images/discover.jpg>
- <http://192.168.152.135/images/index.gif>
- <http://192.168.152.135/images/mastercard.jpg>
- <http://192.168.152.135/images/seal.jpg>
- <http://192.168.152.135/images/store1.jpg>
- <http://192.168.152.135/images/visa.jpg>
- <http://192.168.152.135/scanbot/>
- <http://192.168.152.135/scanbot/deth2botz.html>
- <http://192.168.152.135/scanbot/scanbot>
- <http://192.168.152.135/scanbot/scanbot.html>

Attached is a copy of the sitemap file.

91815 - Web Application Sitemap

Synopsis

The remote web server hosts linkable content that can be crawled by Nessus.

Description

The remote web server contains linkable content that can be used to gather information about a target.

See Also

<http://www.nessus.org/u?5496c8d9>

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2016/06/24, Modified: 2016/06/24

Plugin Output

tcp/443/www

The following sitemap was created from crawling linkable content on the target host :

- <https://192.168.152.135/>
- https://192.168.152.135/BadStore_net_v1_2_Manual.pdf
- <https://192.168.152.135/DoingBusiness/contract.doc>
- <https://192.168.152.135/Procedures/UploadProc.html>
- <https://192.168.152.135/cgi-bin/badstore.cgi>
- <https://192.168.152.135/cgi-bin/bsheader.cgi>
- <https://192.168.152.135/scanbot/scanbot.html>

Attached is a copy of the sitemap file.

11032 - Web Server Directory Enumeration

Synopsis

It is possible to enumerate directories on the web server.

Description

This plugin attempts to determine the presence of various common directories on the remote web server. By sending a request for a directory, the web server response code indicates if it is a valid directory or not.

See Also

<http://projects.webappsec.org/w/page/13246953/Predictable%20Resource%20Location>

Solution

n/a

Risk Factor

None

References

XREF OWASP:OWASP-CM-006

Plugin Information

Published: 2002/06/26, Modified: 2021/08/17

Plugin Output

tcp/80/www

The following directories were discovered:

/backup, /cgi-bin, /icons, /images, //cgi-bin, //scanbot, //backup, //supplier

While this is not, in and of itself, a bug, you should manually inspect these directories to ensure that they are in compliance with company security standards

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See Also

<http://projects.webappsec.org/w/page/13246953/Predictable%20Resource%20Location>

Solution

n/a

Risk Factor

None

References

XREF OWASP:OWASP-CM-006

Plugin Information

Published: 2002/06/26, Modified: 2021/08/17

Plugin Output

tcp/443/www

The following directories were discovered:

/backup, /cgi-bin, /icons, /images, //cgi-bin, //scanbot, //backup, //supplier

While this is not, in and of itself, a bug, you should manually inspect these directories to ensure that they are in compliance with company security standards

Synopsis

The remote web server hosts office-related files.

Description

This plugin connects to the remote web server and attempts to find office-related files such as .doc, .ppt, .xls, .pdf etc.

Solution

Make sure that such files do not contain any confidential or otherwise sensitive information and that they are only accessible to those with valid credentials.

Risk Factor

None

Plugin Information

Published: 2003/03/19, Modified: 2021/01/19

Plugin Output

tcp/80/www

```
The following office-related files are available on the remote server :
```

- Word files (.doc) :
 /DoingBusiness/contract.doc
- Adobe Acrobat files (.pdf) :
 /BadStore_net_v1_2_Manual.pdf

Synopsis

The remote web server hosts office-related files.

Description

This plugin connects to the remote web server and attempts to find office-related files such as .doc, .ppt, .xls, .pdf etc.

Solution

Make sure that such files do not contain any confidential or otherwise sensitive information and that they are only accessible to those with valid credentials.

Risk Factor

None

Plugin Information

Published: 2003/03/19, Modified: 2021/01/19

Plugin Output

tcp/443/www

```
The following office-related files are available on the remote server :
```

- Word files (.doc) :
 /DoingBusiness/contract.doc
- Adobe Acrobat files (.pdf) :
 /BadStore_net_v1_2_Manual.pdf

10302 - Web Server robots.txt Information Disclosure

Synopsis

The remote web server contains a 'robots.txt' file.

Description

The remote host contains a file named 'robots.txt' that is intended to prevent web 'robots' from visiting certain directories in a website for maintenance or indexing purposes. A malicious user may also be able to use the contents of this file to learn of sensitive documents or directories on the affected site and either retrieve them directly or target them for other attacks.

See Also

<http://www.robotstxt.org/orig.html>

Solution

Review the contents of the site's robots.txt file, use Robots META tags instead of entries in the robots.txt file, and/or adjust the web server's access controls to limit access to sensitive material.

Risk Factor

None

Plugin Information

Published: 1999/10/12, Modified: 2018/11/15

Plugin Output

tcp/80/www

```
Contents of robots.txt :  
  
# /robots.txt file for http://www.badstore.net/  
# mail webmaster@badstore.net for constructive criticism  
  
User-agent: badstore_webcrawler  
Disallow:  
  
User-agent: googlebot  
Disallow: /cgi-bin  
Disallow: /scanbot # We like Google  
  
User-agent: *  
Disallow: /backup  
Disallow: /cgi-bin  
Disallow: /supplier  
Disallow: /upload
```

10302 - Web Server robots.txt Information Disclosure

Synopsis

The remote web server contains a 'robots.txt' file.

Description

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See Also

<http://www.robotstxt.org/orig.html>

Solution

Review the contents of the site's robots.txt file, use Robots META tags instead of entries in the robots.txt file, and/or adjust the web server's access controls to limit access to sensitive material.

Risk Factor

None

Plugin Information

Published: 1999/10/12, Modified: 2018/11/15

Plugin Output

tcp/443/www

```
Contents of robots.txt :

# /robots.txt file for http://www.badstore.net/
# mail webmaster@badstore.net for constructive criticism

User-agent: badstore_webcrawler
Disallow:

User-agent: googlebot
Disallow: /cgi-bin
Disallow: /scanbot # We like Google

User-agent: *
Disallow: /backup
Disallow: /cgi-bin
Disallow: /supplier
Disallow: /upload
```

10662 - Web mirroring

Synopsis

Nessus can crawl the remote website.

Description

This plugin makes a mirror of the remote website(s) and extracts the list of CGIs that are used by the remote host.

It is suggested that you change the number of pages to mirror in the 'Options' section of the client.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/05/04, Modified: 2022/02/14

Plugin Output

tcp/80/www

```
Webmirror performed 53 queries in 1s (53.000 queries per second)
```

```
The following CGIs have been discovered :
```

```
+ CGI : /cgi-bin/badstore.cgi
  Methods : GET
  Argument : action
    Value: cartview
  Argument : searchquery
```

```
+ CGI : /
  Methods : GET
  Argument : action
    Value: search
  Argument : searchquery
```

```
+ CGI : /backup/
  Methods : GET
  Argument : D
    Value: A
  Argument : M
    Value: A
  Argument : N
    Value: D
```

```
Argument : S
Value: A

+ CGI : /images/
Methods : GET
Argument : D
Value: A
Argument : M
Value: A
Argument : N
Value: D
Argument : S
Value: A

+ CGI : /scanbot/
Methods : GET
Argument : D
Value: A
Argument : M
Value: A
Argument : N
Value: D
Argument : S
Value: A

+ CGI : /DoingBusiness/
Methods : GET
Argument : D
Value: A
Argument : M
Value: A
Argument : N
Value: D
Argument : S
Value: A

+ CGI : /Procedures/
Methods : GET
Argument : D
Value: A
Argument : M
Value: A
Argument : N
Value: D
Argument : S
Value: A

Directory index found at /backup/
Directory index found at /images/
Directory index found at /scanbot/
Directory index found at /DoingBusiness/
Directory index found at /Procedures/
```

10662 - Web mirroring

Synopsis

Nessus can crawl the remote website.

Description

This plugin makes a mirror of the remote website(s) and extracts the list of CGIs that are used by the remote host.

It is suggested that you change the number of pages to mirror in the 'Options' section of the client.

Solution

n/a

Risk Factor

None

Plugin Information

Published: 2001/05/04, Modified: 2022/02/14

Plugin Output

tcp/443/www

```
Webmirror performed 20 queries in 1s (20.000 queries per second)
```

```
The following CGIs have been discovered :
```

```
+ CGI : /cgi-bin/badstore.cgi
  Methods : GET
  Argument : action
    Value: cartview
  Argument : searchquery
```

```
+ CGI : /
  Methods : GET
  Argument : action
    Value: search
  Argument : searchquery
```