Scan Report

October 14, 2025

Summary

This document reports on the results of an automatic security scan. All dates are displayed using the timezone "Coordinated Universal Time", which is abbreviated "UTC". The task was "kioptrix scan". The scan started at Tue Oct 14 18:28:29 2025 UTC and ended at Tue Oct 14 18:40:14 2025 UTC. The report first summarises the results found. Then, for each host, the report describes every issue found. Please consider the advice given in each description, in order to rectify the issue.

Contents

1 Result Overview

Host	High	Medium	Low	Log	False Positive
192.168.18.139	4	20	5	0	0
Total: 1	4	20	5	0	0

Vendor security updates are not trusted.
Overrides are off. Even when a result has an override, this report uses the actual threat of the result.
Information on overrides is included in the report.
Notes are included in the report.
This report might not show details of all issues that were found.
Issues with the threat level "Log" are not shown.
Issues with the threat level "Debug" are not shown.
Issues with the threat level "False Positive" are not shown.
Only results with a minimum QoD of 70 are shown.

This report contains all 29 results selected by the filtering described above. Before filtering there were 264 results.

1.1 Host Authentications

Host	Protocol	Result	Port/User
192.168.18.139	SMB	Success	Protocol SMB, Port 139, User

2 Results per Host

2.1 192.168.18.139

Host scan start Tue Oct 14 18:29:21 2025 UTC
Host scan end Tue Oct 14 18:40:07 2025 UTC

Service (Port)	Threat Level
443/tcp	High
22/tcp	High
80/tcp	High
443/tcp	Medium
22/tcp	Medium
80/tcp	Medium
443/tcp	Low
general/tcp	Low
22/tcp	Low

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Service (Port)	Threat Level
general/icmp	Low

2.1.1 High 443/tcp

High (CVSS: 7.5)

NVT: Webalizer Cross Site Scripting Vulnerability

Summary
Webalizer have a cross-site scripting vulnerability, that could allow malicious HTML tags to be injected in the reports generated by the Webalizer.

Quality of Detection (QoD): 80%

Vulnerability Detection Result
Vulnerability was detected according to the Vulnerability Detection Method.

Solution:
Solution type: VendorFix
Upgrade to Version 2.01-09 and change the directory in 'OutputDir'.

Vulnerability Detection Method
Details: `Webalizer Cross Site Scripting Vulnerability`
OID:1.3.6.1.4.1.25623.1.0.10816
Version used: `2023-08-01T13:29:10Z`

References
`cve: CVE-2001-0835`
`url: http://www.securityfocus.com/bid/3473`

High (CVSS: 7.5)

NVT: SSL/TLS: Report Vulnerable Cipher Suites for HTTPS

Product detection result
`cpe:/a:ietf:transport_layer_security`
`Detected by SSL/TLS: Report Supported Cipher Suites (OID: 1.3.6.1.4.1.25623.1.0.`
`↪802067)`

Summary

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This routine reports all SSL/TLS cipher suites accepted by a service where attack vectors exists only on HTTPS services.

Quality of Detection (QoD): 98%

Vulnerability Detection Result

```
'Vulnerable' cipher suites accepted by this service via the SSLv3 protocol:
TLS_DHE_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
TLS_DHE_RSA_WITH_DES_CBC_SHA (SWEET32)
TLS_RSA_EXPORT1024_WITH_DES_CBC_SHA (SWEET32)
TLS_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
TLS_RSA_WITH_DES_CBC_SHA (SWEET32)
'Vulnerable' cipher suites accepted by this service via the TLSv1.0 protocol:
TLS_DHE_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
TLS_DHE_RSA_WITH_DES_CBC_SHA (SWEET32)
TLS_RSA_EXPORT1024_WITH_DES_CBC_SHA (SWEET32)
TLS_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
TLS_RSA_WITH_DES_CBC_SHA (SWEET32)
```

Impact

This could allow remote attackers to obtain sensitive information or have other, unspecified impacts.

Solution:

Solution type: Mitigation

The configuration of this services should be changed so that it does not accept the listed cipher suites anymore.

Please see the references for more resources supporting you with this task.

Affected Software/OS

All services accepting vulnerable SSL/TLS cipher suites via HTTPS.

Vulnerability Insight

These rules are applied for the evaluation of the vulnerable cipher suites:

- 64-bit block cipher 3DES vulnerable to the SWEET32 attack (CVE-2016-2183).

Vulnerability Detection Method

Checks previous collected cipher suites.

Details: `SSL/TLS: Report Vulnerable Cipher Suites for HTTPS`

OID:1.3.6.1.4.1.25623.1.0.108031

Version used: `2025-03-27T05:38:50Z`

Product Detection Result

Product: `cpe:/a:ietf:transport_layer_security`

Method: `SSL/TLS: Report Supported Cipher Suites`

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OID: 1.3.6.1.4.1.25623.1.0.802067)

References

cve: CVE-2016-2183
cve: CVE-2016-6329
cve: CVE-2020-12872
url: https://ssl-config.mozilla.org
url: https://www.bsi.bund.de/SharedDocs/Downloads/EN/BSI/Publications/TechGuidel
↪ines/TG02102/BSI-TR-02102-1.html
url: https://www.bsi.bund.de/EN/Themen/Oeffentliche-Verwaltung/Mindeststandards/
↪TLS-Protokoll/TLS-Protokoll_node.html
url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Publikationen/Technisch
↪eRichtlinien/TR03116/BSI-TR-03116-4.html
url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Mindeststandards/Mindes
↪tstandard_BSI_TLS_Version_2_4.html
url: https://web.archive.org/web/20240113175943/https://www.bettercrypto.org
url: https://www.enisa.europa.eu/publications/algorithms-key-size-and-parameters
↪-report-2014
url: https://sweet32.info
cert-bund: WID-SEC-2024-1277
cert-bund: WID-SEC-2024-0209
cert-bund: WID-SEC-2024-0064
cert-bund: WID-SEC-2022-2226
cert-bund: WID-SEC-2022-1955
cert-bund: CB-K21/1094
cert-bund: CB-K20/1023
cert-bund: CB-K20/0321
cert-bund: CB-K20/0314
cert-bund: CB-K20/0157
cert-bund: CB-K19/0618
cert-bund: CB-K19/0615
cert-bund: CB-K18/0296
cert-bund: CB-K17/1980
cert-bund: CB-K17/1871
cert-bund: CB-K17/1803
cert-bund: CB-K17/1753
cert-bund: CB-K17/1750
cert-bund: CB-K17/1709
cert-bund: CB-K17/1558
cert-bund: CB-K17/1273
cert-bund: CB-K17/1202
cert-bund: CB-K17/1196
cert-bund: CB-K17/1055
cert-bund: CB-K17/1026
cert-bund: CB-K17/0939
cert-bund: CB-K17/0917

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cert-bund: CB-K17/0915
cert-bund: CB-K17/0877
cert-bund: CB-K17/0796
cert-bund: CB-K17/0724
cert-bund: CB-K17/0661
cert-bund: CB-K17/0657
cert-bund: CB-K17/0582
cert-bund: CB-K17/0581
cert-bund: CB-K17/0506
cert-bund: CB-K17/0504
cert-bund: CB-K17/0467
cert-bund: CB-K17/0345
cert-bund: CB-K17/0098
cert-bund: CB-K17/0089
cert-bund: CB-K17/0086
cert-bund: CB-K17/0082
cert-bund: CB-K16/1837
cert-bund: CB-K16/1830
cert-bund: CB-K16/1635
cert-bund: CB-K16/1630
cert-bund: CB-K16/1624
cert-bund: CB-K16/1622
cert-bund: CB-K16/1500
cert-bund: CB-K16/1465
cert-bund: CB-K16/1307
cert-bund: CB-K16/1296
dfn-cert: DFN-CERT-2025-0041
dfn-cert: DFN-CERT-2021-1618
dfn-cert: DFN-CERT-2021-0775
dfn-cert: DFN-CERT-2021-0770
dfn-cert: DFN-CERT-2021-0274
dfn-cert: DFN-CERT-2020-2141
dfn-cert: DFN-CERT-2020-0368
dfn-cert: DFN-CERT-2019-1455
dfn-cert: DFN-CERT-2019-0068
dfn-cert: DFN-CERT-2018-1296
dfn-cert: DFN-CERT-2018-0323
dfn-cert: DFN-CERT-2017-2070
dfn-cert: DFN-CERT-2017-1954
dfn-cert: DFN-CERT-2017-1885
dfn-cert: DFN-CERT-2017-1831
dfn-cert: DFN-CERT-2017-1821
dfn-cert: DFN-CERT-2017-1785
dfn-cert: DFN-CERT-2017-1626
dfn-cert: DFN-CERT-2017-1326
dfn-cert: DFN-CERT-2017-1239
dfn-cert: DFN-CERT-2017-1238

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```
dfn-cert: DFN-CERT-2017-1090
dfn-cert: DFN-CERT-2017-1060
dfn-cert: DFN-CERT-2017-0968
dfn-cert: DFN-CERT-2017-0947
dfn-cert: DFN-CERT-2017-0946
dfn-cert: DFN-CERT-2017-0904
dfn-cert: DFN-CERT-2017-0816
dfn-cert: DFN-CERT-2017-0746
dfn-cert: DFN-CERT-2017-0677
dfn-cert: DFN-CERT-2017-0675
dfn-cert: DFN-CERT-2017-0611
dfn-cert: DFN-CERT-2017-0609
dfn-cert: DFN-CERT-2017-0522
dfn-cert: DFN-CERT-2017-0519
dfn-cert: DFN-CERT-2017-0482
dfn-cert: DFN-CERT-2017-0351
dfn-cert: DFN-CERT-2017-0090
dfn-cert: DFN-CERT-2017-0089
dfn-cert: DFN-CERT-2017-0088
dfn-cert: DFN-CERT-2017-0086
dfn-cert: DFN-CERT-2016-1943
dfn-cert: DFN-CERT-2016-1937
dfn-cert: DFN-CERT-2016-1732
dfn-cert: DFN-CERT-2016-1726
dfn-cert: DFN-CERT-2016-1715
dfn-cert: DFN-CERT-2016-1714
dfn-cert: DFN-CERT-2016-1588
dfn-cert: DFN-CERT-2016-1555
dfn-cert: DFN-CERT-2016-1391
dfn-cert: DFN-CERT-2016-1378
```

[return to 192.168.18.139]

2.1.2 High 22/tcp

High (CVSS: 7.5)

NVT: Deprecated SSH-1 Protocol Detection

Summary
The host is running SSH and is providing / accepting one or more deprecated versions of the SSH protocol which have known cryptographic flaws.

Quality of Detection (QoD): 80%

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Vulnerability Detection Result

```
The service is providing / accepting the following deprecated versions of the SS
↪H protocol which have known cryptographic flaws:
1.33
1.5
```

Impact

Successful exploitation could allows remote attackers to bypass security restrictions and to obtain a client's public host key during a connection attempt and use it to open and authenticate an SSH session to another server with the same access.

Solution:

Solution type: VendorFix

Reconfigure the SSH service to only provide / accept the SSH protocol version SSH-2.

Affected Software/OS

Services providing / accepting the SSH protocol version SSH-1 (1.33 and 1.5).

Vulnerability Detection Method

Details: `Deprecated SSH-1 Protocol Detection`

OID:1.3.6.1.4.1.25623.1.0.801993

Version used: `2025-01-21T05:37:33Z`

References

```
cve: CVE-2001-0361
cve: CVE-2001-0572
cve: CVE-2001-1473
url: http://www.kb.cert.org/vuls/id/684820
url: http://www.securityfocus.com/bid/2344
url: http://xforce.iss.net/xforce/xfdb/6603
cert-bund: CB-K15/1534
dfn-cert: DFN-CERT-2015-1619
```

[return to 192.168.18.139]

2.1.3 High 80/tcp

High (CVSS: 7.5)

NVT: Webalizer Cross Site Scripting Vulnerability

Summary

Webalizer have a cross-site scripting vulnerability, that could allow malicious HTML tags to be injected in the reports generated by the Webalizer.

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Quality of Detection (QoD): 80%

Vulnerability Detection Result
Vulnerability was detected according to the Vulnerability Detection Method.

Solution:
Solution type: VendorFix
Upgrade to Version 2.01-09 and change the directory in 'OutputDir'.

Vulnerability Detection Method
Details: `Webalizer Cross Site Scripting Vulnerability`
OID:1.3.6.1.4.1.25623.1.0.10816
Version used: `2023-08-01T13:29:10Z`

References
`cve: CVE-2001-0835`
`url: http://www.securityfocus.com/bid/3473`

[return to 192.168.18.139]

2.1.4 Medium 443/tcp

Medium (CVSS: 5.9)

NVT: SSL/TLS: Deprecated SSLv2 and SSLv3 Protocol Detection

Product detection result
`cpe:/a:ietf:transport_layer_security:1.0`
`Detected by SSL/TLS: Version Detection (OID: 1.3.6.1.4.1.25623.1.0.105782)`

Summary
It was possible to detect the usage of the deprecated SSLv2 and/or SSLv3 protocol on this system.

Quality of Detection (QoD): 98%

Vulnerability Detection Result
```
In addition to TLSv1.0+ the service is also providing the deprecated SSLv2 and S
↪SLv3 protocols and supports one or more ciphers. Those supported ciphers can b
↪e found in the 'SSL/TLS: Report Supported Cipher Suites' (OID: 1.3.6.1.4.1.256
↪23.1.0.802067) VT.
```

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Impact
An attacker might be able to use the known cryptographic flaws to eavesdrop the connection between clients and the service to get access to sensitive data transferred within the secured connection.
Furthermore newly uncovered vulnerabilities in this protocols won't receive security updates anymore.

Solution:
Solution type: Mitigation
It is recommended to disable the deprecated SSLv2 and/or SSLv3 protocols in favor of the TLSv1.2+ protocols.
Please see the references for more resources supporting you with this task.

Affected Software/OS
All services providing an encrypted communication using the SSLv2 and/or SSLv3 protocols.

Vulnerability Insight
The SSLv2 and SSLv3 protocols contain known cryptographic flaws like:
- CVE-2014-3566: Padding Oracle On Downgraded Legacy Encryption (POODLE)
- CVE-2016-0800: Decrypting RSA with Obsolete and Weakened eNcryption (DROWN)

Vulnerability Detection Method
Checks the used SSL protocols of the services provided by this system.
Details: `SSL/TLS: Deprecated SSLv2 and SSLv3 Protocol Detection`
OID:1.3.6.1.4.1.25623.1.0.111012
Version used: `2025-03-27T05:38:50Z`

Product Detection Result
Product: `cpe:/a:ietf:transport_layer_security:1.0`
Method: `SSL/TLS: Version Detection`
OID: 1.3.6.1.4.1.25623.1.0.105782)

References
`cve: CVE-2016-0800`
`cve: CVE-2014-3566`
`url: https://ssl-config.mozilla.org`
`url: https://www.bsi.bund.de/SharedDocs/Downloads/EN/BSI/Publications/TechGuidel`
`↪ines/TG02102/BSI-TR-02102-1.html`
`url: https://www.bsi.bund.de/EN/Themen/Oeffentliche-Verwaltung/Mindeststandards/`
`↪TLS-Protokoll/TLS-Protokoll_node.html`
`url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Publikationen/Technisch`
`↪eRichtlinien/TR03116/BSI-TR-03116-4.html`
`url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Mindeststandards/Mindes`
`↪tstandard_BSI_TLS_Version_2_4.html`
`url: https://web.archive.org/web/20240113175943/https://www.bettercrypto.org`

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```
url: https://www.enisa.europa.eu/publications/algorithms-key-size-and-parameters
↪-report-2014
url: https://drownattack.com
url: https://www.imperialviolet.org/2014/10/14/poodle.html
cert-bund: WID-SEC-2025-1658
cert-bund: WID-SEC-2023-0431
cert-bund: WID-SEC-2023-0427
cert-bund: CB-K18/0094
cert-bund: CB-K17/1198
cert-bund: CB-K17/1196
cert-bund: CB-K16/1828
cert-bund: CB-K16/1438
cert-bund: CB-K16/1384
cert-bund: CB-K16/1141
cert-bund: CB-K16/1107
cert-bund: CB-K16/1102
cert-bund: CB-K16/0792
cert-bund: CB-K16/0599
cert-bund: CB-K16/0597
cert-bund: CB-K16/0459
cert-bund: CB-K16/0456
cert-bund: CB-K16/0433
cert-bund: CB-K16/0424
cert-bund: CB-K16/0415
cert-bund: CB-K16/0413
cert-bund: CB-K16/0374
cert-bund: CB-K16/0367
cert-bund: CB-K16/0331
cert-bund: CB-K16/0329
cert-bund: CB-K16/0328
cert-bund: CB-K16/0156
cert-bund: CB-K15/1514
cert-bund: CB-K15/1358
cert-bund: CB-K15/1021
cert-bund: CB-K15/0972
cert-bund: CB-K15/0637
cert-bund: CB-K15/0590
cert-bund: CB-K15/0525
cert-bund: CB-K15/0393
cert-bund: CB-K15/0384
cert-bund: CB-K15/0287
cert-bund: CB-K15/0252
cert-bund: CB-K15/0246
cert-bund: CB-K15/0237
cert-bund: CB-K15/0118
cert-bund: CB-K15/0110
cert-bund: CB-K15/0108
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cert-bund: CB-K15/0080
cert-bund: CB-K15/0078
cert-bund: CB-K15/0077
cert-bund: CB-K15/0075
cert-bund: CB-K14/1617
cert-bund: CB-K14/1581
cert-bund: CB-K14/1537
cert-bund: CB-K14/1479
cert-bund: CB-K14/1458
cert-bund: CB-K14/1342
cert-bund: CB-K14/1314
cert-bund: CB-K14/1313
cert-bund: CB-K14/1311
cert-bund: CB-K14/1304
cert-bund: CB-K14/1296
dfn-cert: DFN-CERT-2018-0096
dfn-cert: DFN-CERT-2017-1238
dfn-cert: DFN-CERT-2017-1236
dfn-cert: DFN-CERT-2016-1929
dfn-cert: DFN-CERT-2016-1527
dfn-cert: DFN-CERT-2016-1468
dfn-cert: DFN-CERT-2016-1216
dfn-cert: DFN-CERT-2016-1174
dfn-cert: DFN-CERT-2016-1168
dfn-cert: DFN-CERT-2016-0884
dfn-cert: DFN-CERT-2016-0841
dfn-cert: DFN-CERT-2016-0644
dfn-cert: DFN-CERT-2016-0642
dfn-cert: DFN-CERT-2016-0496
dfn-cert: DFN-CERT-2016-0495
dfn-cert: DFN-CERT-2016-0465
dfn-cert: DFN-CERT-2016-0459
dfn-cert: DFN-CERT-2016-0453
dfn-cert: DFN-CERT-2016-0451
dfn-cert: DFN-CERT-2016-0415
dfn-cert: DFN-CERT-2016-0403
dfn-cert: DFN-CERT-2016-0388
dfn-cert: DFN-CERT-2016-0360
dfn-cert: DFN-CERT-2016-0359
dfn-cert: DFN-CERT-2016-0357
dfn-cert: DFN-CERT-2016-0171
dfn-cert: DFN-CERT-2015-1431
dfn-cert: DFN-CERT-2015-1075
dfn-cert: DFN-CERT-2015-1026
dfn-cert: DFN-CERT-2015-0664
dfn-cert: DFN-CERT-2015-0548
dfn-cert: DFN-CERT-2015-0404

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dfn-cert: DFN-CERT-2015-0396
dfn-cert: DFN-CERT-2015-0259
dfn-cert: DFN-CERT-2015-0254
dfn-cert: DFN-CERT-2015-0245
dfn-cert: DFN-CERT-2015-0118
dfn-cert: DFN-CERT-2015-0114
dfn-cert: DFN-CERT-2015-0083
dfn-cert: DFN-CERT-2015-0082
dfn-cert: DFN-CERT-2015-0081
dfn-cert: DFN-CERT-2015-0076
dfn-cert: DFN-CERT-2014-1717
dfn-cert: DFN-CERT-2014-1680
dfn-cert: DFN-CERT-2014-1632
dfn-cert: DFN-CERT-2014-1564
dfn-cert: DFN-CERT-2014-1542
dfn-cert: DFN-CERT-2014-1414
dfn-cert: DFN-CERT-2014-1366
dfn-cert: DFN-CERT-2014-1354
```

Medium (CVSS: 5.9)

NVT: SSL/TLS: Report Weak Cipher Suites

Product detection result

```
cpe:/a:ietf:transport_layer_security
Detected by SSL/TLS: Report Supported Cipher Suites (OID: 1.3.6.1.4.1.25623.1.0.
↪802067)
```

Summary

This routine reports all weak SSL/TLS cipher suites accepted by a service.

Quality of Detection (QoD): 98%

Vulnerability Detection Result

```
'Weak' cipher suites accepted by this service via the SSLv3 protocol:
TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA
TLS_RSA_EXPORT1024_WITH_DES_CBC_SHA
TLS_RSA_EXPORT1024_WITH_RC2_CBC_56_MD5
TLS_RSA_EXPORT1024_WITH_RC4_56_MD5
TLS_RSA_EXPORT1024_WITH_RC4_56_SHA
TLS_RSA_EXPORT_WITH_DES40_CBC_SHA
TLS_RSA_EXPORT_WITH_RC2_CBC_40_MD5
TLS_RSA_EXPORT_WITH_RC4_40_MD5
TLS_RSA_WITH_RC4_128_MD5
TLS_RSA_WITH_RC4_128_SHA
```

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'Weak' cipher suites accepted by this service via the TLSv1.0 protocol:
TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA
TLS_RSA_EXPORT1024_WITH_DES_CBC_SHA
TLS_RSA_EXPORT1024_WITH_RC2_CBC_56_MD5
TLS_RSA_EXPORT1024_WITH_RC4_56_MD5
TLS_RSA_EXPORT1024_WITH_RC4_56_SHA
TLS_RSA_EXPORT_WITH_DES40_CBC_SHA
TLS_RSA_EXPORT_WITH_RC2_CBC_40_MD5
TLS_RSA_EXPORT_WITH_RC4_40_MD5
TLS_RSA_WITH_RC4_128_MD5
TLS_RSA_WITH_RC4_128_SHA

Impact
This could allow remote attackers to obtain sensitive information or have other, unspecified impacts.

Solution:
Solution type: Mitigation
The configuration of this services should be changed so that it does not accept the listed weak cipher suites anymore.
Please see the references for more resources supporting you with this task.

Affected Software/OS
All services providing an encrypted communication using weak SSL/TLS cipher suites.

Vulnerability Insight
These rules are applied for the evaluation of the cryptographic strength:
- RC4 is considered to be weak (CVE-2013-2566, CVE-2015-2808)
- Ciphers using 64 bit or less are considered to be vulnerable to brute force methods and therefore considered as weak (CVE-2015-4000)
- 1024 bit RSA authentication is considered to be insecure and therefore as weak
- Any cipher considered to be secure for only the next 10 years is considered as medium
- Any other cipher is considered as strong

Vulnerability Detection Method
Checks previous collected cipher suites.
NOTE: No severity for SMTP services with 'Opportunistic TLS' and weak cipher suites on port 25/tcp is reported. If too strong cipher suites are configured for this service the alternative would be to fall back to an even more insecure cleartext communication.
Details: SSL/TLS: Report Weak Cipher Suites
OID:1.3.6.1.4.1.25623.1.0.103440
Version used: 2025-03-27T05:38:50Z

Product Detection Result
Product: cpe:/a:ietf:transport_layer_security
Method: SSL/TLS: Report Supported Cipher Suites

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OID: 1.3.6.1.4.1.25623.1.0.802067)

References

cve: CVE-2013-2566
cve: CVE-2015-2808
cve: CVE-2015-4000
url: https://ssl-config.mozilla.org
url: https://www.bsi.bund.de/SharedDocs/Downloads/EN/BSI/Publications/TechGuidel
↪ines/TG02102/BSI-TR-02102-1.html
url: https://www.bsi.bund.de/EN/Themen/Oeffentliche-Verwaltung/Mindeststandards/
↪TLS-Protokoll/TLS-Protokoll_node.html
url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Publikationen/Technisch
↪eRichtlinien/TR03116/BSI-TR-03116-4.html
url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Mindeststandards/Mindes
↪tstandard_BSI_TLS_Version_2_4.html
url: https://web.archive.org/web/20240113175943/https://www.bettercrypto.org
url: https://www.enisa.europa.eu/publications/algorithms-key-size-and-parameters
↪-report-2014
cert-bund: CB-K21/0067
cert-bund: CB-K19/0812
cert-bund: CB-K17/1750
cert-bund: CB-K16/1593
cert-bund: CB-K16/1552
cert-bund: CB-K16/1102
cert-bund: CB-K16/0617
cert-bund: CB-K16/0599
cert-bund: CB-K16/0168
cert-bund: CB-K16/0121
cert-bund: CB-K16/0090
cert-bund: CB-K16/0030
cert-bund: CB-K15/1751
cert-bund: CB-K15/1591
cert-bund: CB-K15/1550
cert-bund: CB-K15/1517
cert-bund: CB-K15/1514
cert-bund: CB-K15/1464
cert-bund: CB-K15/1442
cert-bund: CB-K15/1334
cert-bund: CB-K15/1269
cert-bund: CB-K15/1136
cert-bund: CB-K15/1090
cert-bund: CB-K15/1059
cert-bund: CB-K15/1022
cert-bund: CB-K15/1015
cert-bund: CB-K15/0986
cert-bund: CB-K15/0964

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cert-bund: CB-K15/0962
cert-bund: CB-K15/0932
cert-bund: CB-K15/0927
cert-bund: CB-K15/0926
cert-bund: CB-K15/0907
cert-bund: CB-K15/0901
cert-bund: CB-K15/0896
cert-bund: CB-K15/0889
cert-bund: CB-K15/0877
cert-bund: CB-K15/0850
cert-bund: CB-K15/0849
cert-bund: CB-K15/0834
cert-bund: CB-K15/0827
cert-bund: CB-K15/0802
cert-bund: CB-K15/0764
cert-bund: CB-K15/0733
cert-bund: CB-K15/0667
cert-bund: CB-K14/0935
cert-bund: CB-K13/0942
dfn-cert: DFN-CERT-2023-2939
dfn-cert: DFN-CERT-2021-0775
dfn-cert: DFN-CERT-2020-1561
dfn-cert: DFN-CERT-2020-1276
dfn-cert: DFN-CERT-2017-1821
dfn-cert: DFN-CERT-2016-1692
dfn-cert: DFN-CERT-2016-1648
dfn-cert: DFN-CERT-2016-1168
dfn-cert: DFN-CERT-2016-0665
dfn-cert: DFN-CERT-2016-0642
dfn-cert: DFN-CERT-2016-0184
dfn-cert: DFN-CERT-2016-0135
dfn-cert: DFN-CERT-2016-0101
dfn-cert: DFN-CERT-2016-0035
dfn-cert: DFN-CERT-2015-1853
dfn-cert: DFN-CERT-2015-1679
dfn-cert: DFN-CERT-2015-1632
dfn-cert: DFN-CERT-2015-1608
dfn-cert: DFN-CERT-2015-1542
dfn-cert: DFN-CERT-2015-1518
dfn-cert: DFN-CERT-2015-1406
dfn-cert: DFN-CERT-2015-1341
dfn-cert: DFN-CERT-2015-1194
dfn-cert: DFN-CERT-2015-1144
dfn-cert: DFN-CERT-2015-1113
dfn-cert: DFN-CERT-2015-1078
dfn-cert: DFN-CERT-2015-1067
dfn-cert: DFN-CERT-2015-1038

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```
dfn-cert: DFN-CERT-2015-1016
dfn-cert: DFN-CERT-2015-1012
dfn-cert: DFN-CERT-2015-0980
dfn-cert: DFN-CERT-2015-0977
dfn-cert: DFN-CERT-2015-0976
dfn-cert: DFN-CERT-2015-0960
dfn-cert: DFN-CERT-2015-0956
dfn-cert: DFN-CERT-2015-0944
dfn-cert: DFN-CERT-2015-0937
dfn-cert: DFN-CERT-2015-0925
dfn-cert: DFN-CERT-2015-0884
dfn-cert: DFN-CERT-2015-0881
dfn-cert: DFN-CERT-2015-0879
dfn-cert: DFN-CERT-2015-0866
dfn-cert: DFN-CERT-2015-0844
dfn-cert: DFN-CERT-2015-0800
dfn-cert: DFN-CERT-2015-0737
dfn-cert: DFN-CERT-2015-0696
dfn-cert: DFN-CERT-2014-0977
```

Medium (CVSS: 5.8)

NVT: HTTP Debugging Methods (TRACE/TRACK) Enabled

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

Quality of Detection (QoD): 99%

Vulnerability Detection Result
`The web server has the following HTTP methods enabled: TRACE`

Impact
An attacker may use this flaw to trick your legitimate web users to give him their credentials.

Solution:
Solution type: Mitigation
Disable the TRACE and TRACK methods in your web server configuration.
Please see the manual of your web server or the references for more information.

Affected Software/OS
Web servers with enabled TRACE and/or TRACK methods.

Vulnerability Insight

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It has been shown that web servers supporting this methods are subject to cross-site-scripting attacks, dubbed XST for Cross-Site-Tracing, when used in conjunction with various weaknesses in browsers.

Vulnerability Detection Method
Checks if HTTP methods such as TRACE and TRACK are enabled and can be used.
Details: `HTTP Debugging Methods (TRACE/TRACK) Enabled`
OID:1.3.6.1.4.1.25623.1.0.11213
Version used: `2023-08-01T13:29:10Z`

References
cve: CVE-2003-1567
cve: CVE-2004-2320
cve: CVE-2004-2763
cve: CVE-2005-3398
cve: CVE-2006-4683
cve: CVE-2007-3008
cve: CVE-2008-7253
cve: CVE-2009-2823
cve: CVE-2010-0386
cve: CVE-2012-2223
cve: CVE-2014-7883
url: http://www.kb.cert.org/vuls/id/288308
url: http://www.securityfocus.com/bid/11604
url: http://www.securityfocus.com/bid/15222
url: http://www.securityfocus.com/bid/19915
url: http://www.securityfocus.com/bid/24456
url: http://www.securityfocus.com/bid/33374
url: http://www.securityfocus.com/bid/36956
url: http://www.securityfocus.com/bid/36990
url: http://www.securityfocus.com/bid/37995
url: http://www.securityfocus.com/bid/9506
url: http://www.securityfocus.com/bid/9561
url: http://www.kb.cert.org/vuls/id/867593
url: https://httpd.apache.org/docs/current/en/mod/core.html#traceenable
url: https://techcommunity.microsoft.com/t5/iis-support-blog/http-track-and-trac
↪e-verbs/ba-p/784482
url: https://owasp.org/www-community/attacks/Cross_Site_Tracing
cert-bund: CB-K14/0981
dfn-cert: DFN-CERT-2021-1825
dfn-cert: DFN-CERT-2014-1018
dfn-cert: DFN-CERT-2010-0020

Medium (CVSS: 5.3)

NVT: SSL/TLS: Server Certificate / Certificate in Chain with RSA keys less than 2048 bits

Summary
The remote SSL/TLS server certificate and/or any of the certificates in the certificate chain is using a RSA key with less than 2048 bits.

Quality of Detection (QoD): 80%

Vulnerability Detection Result
`The remote SSL/TLS server is using the following certificate(s) with a RSA key w`
`↪ith less than 2048 bits (public-key-size:public-key-algorithm:serial:issuer):`
`1024:RSA:00:1.2.840.113549.1.9.1=#726F6F74406C6F63616C686F73742E6C6F63616C646F6D`
`↪61696E,CN=localhost.localdomain,OU=SomeOrganizationalUnit,O=SomeOrganization,L`
`↪=SomeCity,ST=SomeState,C=-- (Server certificate)`

Impact
Using certificates with weak RSA key size can lead to unauthorized exposure of sensitive information.

Solution:
Solution type: Mitigation
Replace the certificate with a stronger key and reissue the certificates it signed.

Vulnerability Insight
SSL/TLS certificates using RSA keys with less than 2048 bits are considered unsafe.

Vulnerability Detection Method
Checks the RSA keys size of the server certificate and all certificates in chain for a size < 2048 bit.
Details: `SSL/TLS: Server Certificate / Certificate in Chain with RSA keys less than 2048.`
`↪..`
OID:1.3.6.1.4.1.25623.1.0.150710
Version used: `2021-12-10T12:48:00Z`

References
`url: https://www.cabforum.org/wp-content/uploads/Baseline_Requirements_V1.pdf`

Medium (CVSS: 5.0)

NVT: SSL/TLS: Known Untrusted / Dangerous Certificate Authority (CA) Detection

Product detection result
`cpe:/a:ietf:transport_layer_security`

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Detected by SSL/TLS: Collect and Report Certificate Details (OID: 1.3.6.1.4.1.25
↪623.1.0.103692)

Summary
The service is using an SSL/TLS certificate from a known untrusted and/or dangerous certificate authority (CA).

Quality of Detection (QoD): 99%

Vulnerability Detection Result

```
The certificate of the remote service is signed by the following untrusted and/o
↪r dangerous CA:
Issuer: 1.2.840.113549.1.9.1=#726F6F74406C6F63616C686F73742E6C6F63616C646F6D6169
↪6E,CN=localhost.localdomain,OU=SomeOrganizationalUnit,O=SomeOrganization,L=Som
↪eCity,ST=SomeState,C=--
Certificate details:
fingerprint (SHA-1)              | 9C4291C3BED2A95B983D10ACF766ECB987661D33
fingerprint (SHA-256)            | B4FE0D8F6D76DB37B1689244898C355C9C09D834C51B95
↪A1CB48DF9F7D18D35C
issued by                        | 1.2.840.113549.1.9.1=#726F6F74406C6F63616C686F
↪73742E6C6F63616C646F6D61696E,CN=localhost.localdomain,OU=SomeOrganizationalUni
↪t,O=SomeOrganization,L=SomeCity,ST=SomeState,C=--
public key algorithm             | RSA
public key size (bits)           | 1024
serial                           | 00
signature algorithm              | md5WithRSAEncryption
subject                          | 1.2.840.113549.1.9.1=#726F6F74406C6F63616C686F
↪73742E6C6F63616C646F6D61696E,CN=localhost.localdomain,OU=SomeOrganizationalUni
↪t,O=SomeOrganization,L=SomeCity,ST=SomeState,C=--
subject alternative names (SAN)  | None
valid from                       | 2009-09-26 09:32:06 UTC
valid until                      | 2010-09-26 09:32:06 UTC
```

Impact
An attacker could use this for man-in-the-middle (MITM) attacks, accessing sensible data and other attacks.

Solution:
Solution type: Mitigation
Replace the SSL/TLS certificate with one signed by a trusted CA.

Vulnerability Detection Method
The script reads the certificate used by the target host and checks if it was signed by a known untrusted and/or dangerous CA.
Details: SSL/TLS: Known Untrusted / Dangerous Certificate Authority (CA) Detection

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OID:1.3.6.1.4.1.25623.1.0.113054
Version used: 2024-06-14T05:05:48Z

Product Detection Result
Product: cpe:/a:ietf:transport_layer_security
Method: SSL/TLS: Collect and Report Certificate Details
OID: 1.3.6.1.4.1.25623.1.0.103692)

Medium (CVSS: 5.0)

NVT: Apache HTTP Server UserDir Sensitive Information Disclosure

Product detection result
cpe:/a:apache:http_server:1.3.20
Detected by Apache HTTP Server Detection Consolidation (OID: 1.3.6.1.4.1.25623.1
↪.0.117232)

Summary
An information leak occurs on Apache HTTP Server based web servers whenever the UserDir module is enabled. The vulnerability allows an external attacker to enumerate existing accounts by requesting access to their home directory and monitoring the response.

Quality of Detection (QoD): 70%

Vulnerability Detection Result
Vulnerability was detected according to the Vulnerability Detection Method.

Solution:
Solution type: Mitigation
1) Disable this feature by changing 'UserDir public_html' (or whatever) to 'UserDir disabled'.
Or
2) Use a RedirectMatch rewrite rule under Apache – this works even if there is no such entry in the password file, e.g.: RedirectMatch ^/ (.*)$ http://example.com/$1
Or
3) Add into httpd.conf:
ErrorDocument 404 http://example.com/sample.html
ErrorDocument 403 http://example.com/sample.html
(NOTE: You need to use a FQDN inside the URL for it to work properly).

Vulnerability Detection Method
Details: Apache HTTP Server UserDir Sensitive Information Disclosure
OID:1.3.6.1.4.1.25623.1.0.10766
Version used: 2023-06-22T10:34:15Z

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Product Detection Result
Product: cpe:/a:apache:http_server:1.3.20
Method: Apache HTTP Server Detection Consolidation
OID: 1.3.6.1.4.1.25623.1.0.117232)

References
cve: CVE-2001-1013
url: http://www.securiteam.com/unixfocus/5WP0C1F5FI.html
url: http://www.securityfocus.com/bid/3335
cert-bund: CB-K14/0304
dfn-cert: DFN-CERT-2014-0315

Medium (CVSS: 5.0)

NVT: SSL/TLS: Certificate Expired

Product detection result
cpe:/a:ietf:transport_layer_security
Detected by SSL/TLS: Collect and Report Certificate Details (OID: 1.3.6.1.4.1.25
↪623.1.0.103692)

Summary
The remote server's SSL/TLS certificate has already expired.

Quality of Detection (QoD): 99%

Vulnerability Detection Result
The certificate of the remote service expired on 2010-09-26 09:32:06.
Certificate details:

fingerprint (SHA-1)	9C4291C3BED2A95B983D10ACF766ECB987661D33
fingerprint (SHA-256)	B4FE0D8F6D76DB37B1689244898C355C9C09D834C51B95 ↪A1CB48DF9F7D18D35C
issued by	1.2.840.113549.1.9.1=#726F6F74406C6F63616C686F ↪73742E6C6F63616C646F6D61696E,CN=localhost.localdomain,OU=SomeOrganizationalUni ↪t,O=SomeOrganization,L=SomeCity,ST=SomeState,C=--
public key algorithm	RSA
public key size (bits)	1024
serial	00
signature algorithm	md5WithRSAEncryption
subject	1.2.840.113549.1.9.1=#726F6F74406C6F63616C686F ↪73742E6C6F63616C646F6D61696E,CN=localhost.localdomain,OU=SomeOrganizationalUni ↪t,O=SomeOrganization,L=SomeCity,ST=SomeState,C=--
subject alternative names (SAN)	None
valid from	2009-09-26 09:32:06 UTC

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valid until	2010-09-26 09:32:06 UTC

Solution:
Solution type: Mitigation
Replace the SSL/TLS certificate by a new one.

Vulnerability Insight
This script checks expiry dates of certificates associated with SSL/TLS-enabled services on the target and reports whether any have already expired.

Vulnerability Detection Method
Details: SSL/TLS: Certificate Expired
OID:1.3.6.1.4.1.25623.1.0.103955
Version used: 2024-06-14T05:05:48Z

Product Detection Result
Product: cpe:/a:ietf:transport_layer_security
Method: SSL/TLS: Collect and Report Certificate Details
OID: 1.3.6.1.4.1.25623.1.0.103692)

Medium (CVSS: 4.3)

NVT: Apache HTTP Server 'httpOnly' Cookie Information Disclosure Vulnerability

Product detection result
cpe:/a:apache:http_server:1.3.20
Detected by Apache HTTP Server Detection Consolidation (OID: 1.3.6.1.4.1.25623.1
↪.0.117232)

Summary
Apache HTTP Server is prone to a cookie information disclosure vulnerability.

Quality of Detection (QoD): 99%

Vulnerability Detection Result
Vulnerability was detected according to the Vulnerability Detection Method.

Impact
Successful exploitation will allow attackers to obtain sensitive information that may aid in further attacks.

Solution:
Solution type: VendorFix
Update to Apache HTTP Server version 2.2.22 or later.

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Affected Software/OS
Apache HTTP Server versions 2.2.0 through 2.2.21.

Vulnerability Insight
The flaw is due to an error within the default error response for status code 400 when no custom ErrorDocument is configured, which can be exploited to expose 'httpOnly' cookies.

Vulnerability Detection Method
Details: `Apache HTTP Server 'httpOnly' Cookie Information Disclosure Vulnerability`
OID:1.3.6.1.4.1.25623.1.0.902830
Version used: `2025-03-05T05:38:53Z`

Product Detection Result
Product: `cpe:/a:apache:http_server:1.3.20`
Method: `Apache HTTP Server Detection Consolidation`
OID: 1.3.6.1.4.1.25623.1.0.117232)

References
`cve: CVE-2012-0053`
`url: http://secunia.com/advisories/47779`
`url: http://www.securityfocus.com/bid/51706`
`url: http://www.exploit-db.com/exploits/18442`
`url: http://rhn.redhat.com/errata/RHSA-2012-0128.html`
`url: http://httpd.apache.org/security/vulnerabilities_22.html`
`url: http://svn.apache.org/viewvc?view=revision&revision=1235454`
`url: http://lists.opensuse.org/opensuse-security-announce/2012-02/msg00026.html`
`cert-bund: CB-K15/0080`
`cert-bund: CB-K14/1505`
`cert-bund: CB-K14/0608`
`dfn-cert: DFN-CERT-2015-0082`
`dfn-cert: DFN-CERT-2014-1592`
`dfn-cert: DFN-CERT-2014-0635`
`dfn-cert: DFN-CERT-2013-1307`
`dfn-cert: DFN-CERT-2012-1276`
`dfn-cert: DFN-CERT-2012-1112`
`dfn-cert: DFN-CERT-2012-0928`
`dfn-cert: DFN-CERT-2012-0758`
`dfn-cert: DFN-CERT-2012-0744`
`dfn-cert: DFN-CERT-2012-0568`
`dfn-cert: DFN-CERT-2012-0425`
`dfn-cert: DFN-CERT-2012-0424`
`dfn-cert: DFN-CERT-2012-0387`
`dfn-cert: DFN-CERT-2012-0343`
`dfn-cert: DFN-CERT-2012-0332`

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dfn-cert: DFN-CERT-2012-0306
dfn-cert: DFN-CERT-2012-0264
dfn-cert: DFN-CERT-2012-0203
dfn-cert: DFN-CERT-2012-0188

Medium (CVSS: 4.3)

NVT: SSL/TLS: Deprecated TLSv1.0 and TLSv1.1 Protocol Detection

Product detection result
cpe:/a:ietf:transport_layer_security:1.0
Detected by SSL/TLS: Version Detection (OID: 1.3.6.1.4.1.25623.1.0.105782)

Summary
It was possible to detect the usage of the deprecated TLSv1.0 and/or TLSv1.1 protocol on this system.

Quality of Detection (QoD): 98%

Vulnerability Detection Result
The service is only providing the deprecated TLSv1.0 protocol and supports one o
↪r more ciphers. Those supported ciphers can be found in the 'SSL/TLS: Report S
↪upported Cipher Suites' (OID: 1.3.6.1.4.1.25623.1.0.802067) VT.

Impact
An attacker might be able to use the known cryptographic flaws to eavesdrop the connection between clients and the service to get access to sensitive data transferred within the secured connection.
Furthermore newly uncovered vulnerabilities in this protocols won't receive security updates anymore.

Solution:
Solution type: Mitigation
It is recommended to disable the deprecated TLSv1.0 and/or TLSv1.1 protocols in favor of the TLSv1.2+ protocols.
Please see the references for more resources supporting you with this task.

Affected Software/OS
- All services providing an encrypted communication using the TLSv1.0 and/or TLSv1.1 protocols
- CVE-2023-41928: Kiloview P1 4G and P2 4G Video Encoder
- CVE-2024-41270: Gorush v1.18.4
- CVE-2025-3200: Multiple products from Wiesemann & Theis

Vulnerability Insight

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The TLSv1.0 and TLSv1.1 protocols contain known cryptographic flaws like:
- CVE-2011-3389: Browser Exploit Against SSL/TLS (BEAST)
- CVE-2015-0204: Factoring Attack on RSA-EXPORT Keys Padding Oracle On Downgraded Legacy Encryption (FREAK)

Vulnerability Detection Method
Checks the used TLS protocols of the services provided by this system.
Details: SSL/TLS: Deprecated TLSv1.0 and TLSv1.1 Protocol Detection
OID:1.3.6.1.4.1.25623.1.0.117274
Version used: 2025-04-30T05:39:51Z

Product Detection Result
Product: cpe:/a:ietf:transport_layer_security:1.0
Method: SSL/TLS: Version Detection
OID: 1.3.6.1.4.1.25623.1.0.105782)

References
cve: CVE-2011-3389
cve: CVE-2015-0204
cve: CVE-2023-41928
cve: CVE-2024-41270
cve: CVE-2025-3200
url: https://ssl-config.mozilla.org
url: https://www.bsi.bund.de/SharedDocs/Downloads/EN/BSI/Publications/TechGuidel
↪ines/TG02102/BSI-TR-02102-1.html
url: https://www.bsi.bund.de/EN/Themen/Oeffentliche-Verwaltung/Mindeststandards/
↪TLS-Protokoll/TLS-Protokoll_node.html
url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Publikationen/Technisch
↪eRichtlinien/TR03116/BSI-TR-03116-4.html
url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Mindeststandards/Mindes
↪tstandard_BSI_TLS_Version_2_4.html
url: https://web.archive.org/web/20240113175943/https://www.bettercrypto.org
url: https://www.enisa.europa.eu/publications/algorithms-key-size-and-parameters
↪-report-2014
url: https://datatracker.ietf.org/doc/rfc8996/
url: https://vnhacker.blogspot.com/2011/09/beast.html
url: https://web.archive.org/web/20201108095603/https://censys.io/blog/freak
url: https://certvde.com/en/advisories/VDE-2025-031/
url: https://gist.github.com/nyxfqq/cfae38fada582a0f576d154be1aeb1fc
url: https://advisories.ncsc.nl/advisory?id=NCSC-2024-0273
cert-bund: WID-SEC-2023-1435
cert-bund: CB-K18/0799
cert-bund: CB-K16/1289
cert-bund: CB-K16/1096
cert-bund: CB-K15/1751
cert-bund: CB-K15/1266

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cert-bund: CB-K15/0850
cert-bund: CB-K15/0764
cert-bund: CB-K15/0720
cert-bund: CB-K15/0548
cert-bund: CB-K15/0526
cert-bund: CB-K15/0509
cert-bund: CB-K15/0493
cert-bund: CB-K15/0384
cert-bund: CB-K15/0365
cert-bund: CB-K15/0364
cert-bund: CB-K15/0302
cert-bund: CB-K15/0192
cert-bund: CB-K15/0079
cert-bund: CB-K15/0016
cert-bund: CB-K14/1342
cert-bund: CB-K14/0231
cert-bund: CB-K13/0845
cert-bund: CB-K13/0796
cert-bund: CB-K13/0790
dfn-cert: DFN-CERT-2020-0177
dfn-cert: DFN-CERT-2020-0111
dfn-cert: DFN-CERT-2019-0068
dfn-cert: DFN-CERT-2018-1441
dfn-cert: DFN-CERT-2018-1408
dfn-cert: DFN-CERT-2016-1372
dfn-cert: DFN-CERT-2016-1164
dfn-cert: DFN-CERT-2016-0388
dfn-cert: DFN-CERT-2015-1853
dfn-cert: DFN-CERT-2015-1332
dfn-cert: DFN-CERT-2015-0884
dfn-cert: DFN-CERT-2015-0800
dfn-cert: DFN-CERT-2015-0758
dfn-cert: DFN-CERT-2015-0567
dfn-cert: DFN-CERT-2015-0544
dfn-cert: DFN-CERT-2015-0530
dfn-cert: DFN-CERT-2015-0396
dfn-cert: DFN-CERT-2015-0375
dfn-cert: DFN-CERT-2015-0374
dfn-cert: DFN-CERT-2015-0305
dfn-cert: DFN-CERT-2015-0199
dfn-cert: DFN-CERT-2015-0079
dfn-cert: DFN-CERT-2015-0021
dfn-cert: DFN-CERT-2014-1414
dfn-cert: DFN-CERT-2013-1847
dfn-cert: DFN-CERT-2013-1792
dfn-cert: DFN-CERT-2012-1979
dfn-cert: DFN-CERT-2012-1829

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dfn-cert: DFN-CERT-2012-1530
dfn-cert: DFN-CERT-2012-1380
dfn-cert: DFN-CERT-2012-1377
dfn-cert: DFN-CERT-2012-1292
dfn-cert: DFN-CERT-2012-1214
dfn-cert: DFN-CERT-2012-1213
dfn-cert: DFN-CERT-2012-1180
dfn-cert: DFN-CERT-2012-1156
dfn-cert: DFN-CERT-2012-1155
dfn-cert: DFN-CERT-2012-1039
dfn-cert: DFN-CERT-2012-0956
dfn-cert: DFN-CERT-2012-0908
dfn-cert: DFN-CERT-2012-0868
dfn-cert: DFN-CERT-2012-0867
dfn-cert: DFN-CERT-2012-0848
dfn-cert: DFN-CERT-2012-0838
dfn-cert: DFN-CERT-2012-0776
dfn-cert: DFN-CERT-2012-0722
dfn-cert: DFN-CERT-2012-0638
dfn-cert: DFN-CERT-2012-0627
dfn-cert: DFN-CERT-2012-0451
dfn-cert: DFN-CERT-2012-0418
dfn-cert: DFN-CERT-2012-0354
dfn-cert: DFN-CERT-2012-0234
dfn-cert: DFN-CERT-2012-0221
dfn-cert: DFN-CERT-2012-0177
dfn-cert: DFN-CERT-2012-0170
dfn-cert: DFN-CERT-2012-0146
dfn-cert: DFN-CERT-2012-0142
dfn-cert: DFN-CERT-2012-0126
dfn-cert: DFN-CERT-2012-0123
dfn-cert: DFN-CERT-2012-0095
dfn-cert: DFN-CERT-2012-0051
dfn-cert: DFN-CERT-2012-0047
dfn-cert: DFN-CERT-2012-0021
dfn-cert: DFN-CERT-2011-1953
dfn-cert: DFN-CERT-2011-1946
dfn-cert: DFN-CERT-2011-1844
dfn-cert: DFN-CERT-2011-1826
dfn-cert: DFN-CERT-2011-1774
dfn-cert: DFN-CERT-2011-1743
dfn-cert: DFN-CERT-2011-1738
dfn-cert: DFN-CERT-2011-1706
dfn-cert: DFN-CERT-2011-1628
dfn-cert: DFN-CERT-2011-1627
dfn-cert: DFN-CERT-2011-1619
dfn-cert: DFN-CERT-2011-1482

Medium (CVSS: 4.3)

NVT: Apache HTTP Server ETag Header Information Disclosure Weakness

Product detection result
cpe:/a:apache:http_server:1.3.20
Detected by Apache HTTP Server Detection Consolidation (OID: 1.3.6.1.4.1.25623.1
↪.0.117232)

Summary
A weakness has been discovered in the Apache HTTP Server if configured to use the FileETag directive.

Quality of Detection (QoD): 80%

Vulnerability Detection Result
Information that was gathered:
Inode: 34821
Size: 2890

Impact
Exploitation of this issue may provide an attacker with information that may be used to launch further attacks against a target network.

Solution:
Solution type: VendorFix
OpenBSD has released a patch that addresses this issue. Inode numbers returned from the server are now encoded using a private hash to avoid the release of sensitive information.
Novell has released TID10090670 to advise users to apply the available workaround of disabling the directive in the configuration file for Apache releases on NetWare. Please see the attached Technical Information Document for further details.

Vulnerability Detection Method
Due to the way in which Apache HTTP Server generates ETag response headers, it may be possible for an attacker to obtain sensitive information regarding server files. Specifically, ETag header fields returned to a client contain the file's inode number.
Details: Apache HTTP Server ETag Header Information Disclosure Weakness
OID:1.3.6.1.4.1.25623.1.0.103122
Version used: 2022-12-05T10:11:03Z

Product Detection Result
Product: cpe:/a:apache:http_server:1.3.20
Method: Apache HTTP Server Detection Consolidation
OID: 1.3.6.1.4.1.25623.1.0.117232)

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References

cve: CVE-2003-1418
url: http://www.securityfocus.com/bid/6939
url: http://httpd.apache.org/docs/mod/core.html#fileetag
url: http://www.openbsd.org/errata32.html
url: http://support.novell.com/docs/Tids/Solutions/10090670.html
cert-bund: CB-K17/1750
cert-bund: CB-K17/0896
cert-bund: CB-K15/0469
dfn-cert: DFN-CERT-2017-1821
dfn-cert: DFN-CERT-2017-0925
dfn-cert: DFN-CERT-2015-0495

Medium (CVSS: 4.3)

NVT: SSL/TLS: RSA Temporary Key Handling 'RSA_EXPORT' Downgrade Issue (FREAK)

Product detection result

cpe:/a:ietf:transport_layer_security
Detected by SSL/TLS: Report Supported Cipher Suites (OID: 1.3.6.1.4.1.25623.1.0.
↪802067)

Summary

This host is accepting 'RSA_EXPORT' cipher suites and is prone to a man-in-the-middle (MITM) vulnerability.

Quality of Detection (QoD): 80%

Vulnerability Detection Result

'RSA_EXPORT' cipher suites accepted by this service via the SSLv3 protocol:
TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA
TLS_RSA_EXPORT_WITH_DES40_CBC_SHA
TLS_RSA_EXPORT_WITH_RC2_CBC_40_MD5
TLS_RSA_EXPORT_WITH_RC4_40_MD5
'RSA_EXPORT' cipher suites accepted by this service via the TLSv1.0 protocol:
TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA
TLS_RSA_EXPORT_WITH_DES40_CBC_SHA
TLS_RSA_EXPORT_WITH_RC2_CBC_40_MD5
TLS_RSA_EXPORT_WITH_RC4_40_MD5

Impact

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Successful exploitation will allow remote attacker to downgrade the security of a session to use 'RSA_EXPORT' cipher suites, which are significantly weaker than non-export cipher suites. This may allow a man-in-the-middle attacker to more easily break the encryption and monitor or tamper with the encrypted stream.

Solution:
Solution type: VendorFix
- Remove support for 'RSA_EXPORT' cipher suites from the service. Please see the references for more resources supporting you with this task.
- If the service is using OpenSSL: Update to version 0.9.8zd, 1.0.0p, 1.0.1k or later.

Affected Software/OS
- Hosts accepting 'RSA_EXPORT' cipher suites.
- OpenSSL versions prior to 0.9.8zd, 1.0.0 prior to 1.0.0p and 1.0.1 prior to 1.0.1k.

Vulnerability Insight
Flaw is due to improper handling RSA temporary keys in a non-export RSA key exchange cipher suite.

Vulnerability Detection Method
Checks previous collected cipher suites.
Details: `SSL/TLS: RSA Temporary Key Handling 'RSA_EXPORT' Downgrade Issue (FREAK)`
OID:1.3.6.1.4.1.25623.1.0.805142
Version used: `2025-03-27T05:38:50Z`

Product Detection Result
Product: `cpe:/a:ietf:transport_layer_security`
Method: `SSL/TLS: Report Supported Cipher Suites`
OID: 1.3.6.1.4.1.25623.1.0.802067)

References
`cve: CVE-2015-0204`
`url: https://freakattack.com`
`url: https://openssl-library.org/news/secadv/20150108.txt`
`url: https://web.archive.org/web/20210122095002/http://www.securityfocus.com/bid`
`↪/71936`
`url: https://www.secpod.com/blog/freak-attack`
`url: https://blog.cryptographyengineering.com/2015/03/03/attack-of-week-freak-or`
`↪-factoring-nsa`
`url: https://ssl-config.mozilla.org`
`url: https://www.bsi.bund.de/SharedDocs/Downloads/EN/BSI/Publications/TechGuidel`
`↪ines/TG02102/BSI-TR-02102-1.html`
`url: https://www.bsi.bund.de/EN/Themen/Oeffentliche-Verwaltung/Mindeststandards/`
`↪TLS-Protokoll/TLS-Protokoll_node.html`
`url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Publikationen/Technisch`

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```
↪eRichtlinien/TR03116/BSI-TR-03116-4.html
url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Mindeststandards/Mindes
↪tstandard_BSI_TLS_Version_2_4.html
url: https://web.archive.org/web/20240113175943/https://www.bettercrypto.org
url: https://www.enisa.europa.eu/publications/algorithms-key-size-and-parameters
↪-report-2014
cert-bund: CB-K18/0799
cert-bund: CB-K16/1289
cert-bund: CB-K16/1096
cert-bund: CB-K15/1751
cert-bund: CB-K15/1266
cert-bund: CB-K15/0850
cert-bund: CB-K15/0764
cert-bund: CB-K15/0720
cert-bund: CB-K15/0548
cert-bund: CB-K15/0526
cert-bund: CB-K15/0509
cert-bund: CB-K15/0493
cert-bund: CB-K15/0384
cert-bund: CB-K15/0365
cert-bund: CB-K15/0364
cert-bund: CB-K15/0302
cert-bund: CB-K15/0192
cert-bund: CB-K15/0016
dfn-cert: DFN-CERT-2018-1408
dfn-cert: DFN-CERT-2016-1372
dfn-cert: DFN-CERT-2016-1164
dfn-cert: DFN-CERT-2016-0388
dfn-cert: DFN-CERT-2015-1853
dfn-cert: DFN-CERT-2015-1332
dfn-cert: DFN-CERT-2015-0884
dfn-cert: DFN-CERT-2015-0800
dfn-cert: DFN-CERT-2015-0758
dfn-cert: DFN-CERT-2015-0567
dfn-cert: DFN-CERT-2015-0544
dfn-cert: DFN-CERT-2015-0530
dfn-cert: DFN-CERT-2015-0396
dfn-cert: DFN-CERT-2015-0375
dfn-cert: DFN-CERT-2015-0374
dfn-cert: DFN-CERT-2015-0305
dfn-cert: DFN-CERT-2015-0199
dfn-cert: DFN-CERT-2015-0021
```

Medium (CVSS: 4.0)

NVT: SSL/TLS: Certificate Signed Using A Weak Signature Algorithm

Summary
The remote service is using a SSL/TLS certificate in the certificate chain that has been signed using a cryptographically weak hashing algorithm.

Quality of Detection (QoD): 80%

Vulnerability Detection Result
```
The following certificates are part of the certificate chain but using insecure
↪signature algorithms:
Subject:              1.2.840.113549.1.9.1=#726F6F74406C6F63616C686F73742E6C6F63
↪616C646F6D61696E,CN=localhost.localdomain,OU=SomeOrganizationalUnit,O=SomeOrga
↪nization,L=SomeCity,ST=SomeState,C=--
Signature Algorithm:  md5WithRSAEncryption
```

Solution:
Solution type: Mitigation
Servers that use SSL/TLS certificates signed with a weak SHA-1, MD5, MD4 or MD2 hashing algorithm will need to obtain new SHA-2 signed SSL/TLS certificates to avoid web browser SSL/TLS certificate warnings.

Vulnerability Insight
The following hashing algorithms used for signing SSL/TLS certificates are considered cryptographically weak and not secure enough for ongoing use:
- Secure Hash Algorithm 1 (SHA-1)
- Message Digest 5 (MD5)
- Message Digest 4 (MD4)
- Message Digest 2 (MD2)
Beginning as late as January 2017 and as early as June 2016, browser developers such as Microsoft and Google will begin warning users when visiting web sites that use SHA-1 signed Secure Socket Layer (SSL) certificates.
NOTE: The script preference allows to set one or more custom SHA-1 fingerprints of CA certificates which are trusted by this routine. The fingerprints needs to be passed comma-separated and case-insensitive:
Fingerprint1
or
fingerprint1, Fingerprint2

Vulnerability Detection Method
Check which hashing algorithm was used to sign the remote SSL/TLS certificate.
Details: `SSL/TLS: Certificate Signed Using A Weak Signature Algorithm`
OID:1.3.6.1.4.1.25623.1.0.105880
Version used: `2021-10-15T11:13:32Z`

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References
url: https://blog.mozilla.org/security/2014/09/23/phasing-out-certificates-with-
↪sha-1-based-signature-algorithms/

Medium (CVSS: 4.0)

NVT: SSL/TLS: Diffie-Hellman Key Exchange Insufficient DH Group Strength Vulnerability

Summary
The SSL/TLS service uses Diffie-Hellman groups with insufficient strength (key size < 2048).

Quality of Detection (QoD): 80%

Vulnerability Detection Result
Server Temporary Key Size: 512 bits

Impact
An attacker might be able to decrypt the SSL/TLS communication offline.

Solution:
Solution type: Workaround
- Deploy (Ephemeral) Elliptic-Curve Diffie-Hellman (ECDHE) or use a 2048-bit or stronger Diffie-Hellman group. Please see the references for more resources supporting you with this task.
- For Apache Web Servers: Beginning with version 2.4.7, mod_ssl will use DH parameters which include primes with lengths of more than 1024 bits.

Affected Software/OS
All services providing an encrypted communication using Diffie-Hellman groups with insufficient strength.

Vulnerability Insight
The Diffie-Hellman group are some big numbers that are used as base for the DH computations. They can be, and often are, fixed. The security of the final secret depends on the size of these parameters. It was found that 512 and 768 bits to be weak, 1024 bits to be breakable by really powerful attackers like governments.

Vulnerability Detection Method
Checks the DHE temporary public key size.
Details: SSL/TLS: Diffie-Hellman Key Exchange Insufficient DH Group Strength Vulnerabili.
↪..
OID:1.3.6.1.4.1.25623.1.0.106223
Version used: 2025-03-27T05:38:50Z

References

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```
url: https://weakdh.org
url: https://weakdh.org/sysadmin.html
url: https://ssl-config.mozilla.org
url: https://www.bsi.bund.de/SharedDocs/Downloads/EN/BSI/Publications/TechGuidel
↪ines/TG02102/BSI-TR-02102-1.html
url: https://www.bsi.bund.de/EN/Themen/Oeffentliche-Verwaltung/Mindeststandards/
↪TLS-Protokoll/TLS-Protokoll_node.html
url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Publikationen/Technisch
↪eRichtlinien/TR03116/BSI-TR-03116-4.html
url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Mindeststandards/Mindes
↪tstandard_BSI_TLS_Version_2_4.html
url: https://web.archive.org/web/20240113175943/https://www.bettercrypto.org
url: https://www.enisa.europa.eu/publications/algorithms-key-size-and-parameters
↪-report-2014
url: https://httpd.apache.org/docs/2.4/mod/mod_ssl.html#sslcertificatefile
```

[return to 192.168.18.139]

2.1.5 Medium 22/tcp

Medium (CVSS: 5.3)

NVT: Weak Key Exchange (KEX) Algorithm(s) Supported (SSH)

Product detection result

```
cpe:/a:ietf:secure_shell_protocol
Detected by SSH Protocol Algorithms Supported (OID: 1.3.6.1.4.1.25623.1.0.105565
↪)
```

Summary

The remote SSH server is configured to allow / support weak key exchange (KEX) algorithm(s).

Quality of Detection (QoD): 80%

Vulnerability Detection Result

```
The remote SSH server supports the following weak KEX algorithm(s):
KEX algorithm                     | Reason
----------------------------------------------------------------------------------
↪-----------
diffie-hellman-group-exchange-sha1 | Using SHA-1
diffie-hellman-group1-sha1         | Using Oakley Group 2 (a 1024-bit MODP group
↪) and SHA-1
```

Impact

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An attacker can quickly break individual connections.

Solution:
Solution type: Mitigation
Disable the reported weak KEX algorithm(s)
- 1024-bit MODP group / prime KEX algorithms:
Alternatively use elliptic-curve Diffie-Hellmann in general, e.g. Curve 25519.

Vulnerability Insight
- 1024-bit MODP group / prime KEX algorithms:
Millions of HTTPS, SSH, and VPN servers all use the same prime numbers for Diffie-Hellman key exchange. Practitioners believed this was safe as long as new key exchange messages were generated for every connection. However, the first step in the number field sieve-the most efficient algorithm for breaking a Diffie-Hellman connection-is dependent only on this prime.
A nation-state can break a 1024-bit prime.

Vulnerability Detection Method
Checks the supported KEX algorithms of the remote SSH server.
Currently weak KEX algorithms are defined as the following:
- non-elliptic-curve Diffie-Hellmann (DH) KEX algorithms with 1024-bit MODP group / prime
- ephemerally generated key exchange groups uses SHA-1
- using RSA 1024-bit modulus key
Details: `Weak Key Exchange (KEX) Algorithm(s) Supported (SSH)`
OID:1.3.6.1.4.1.25623.1.0.150713
Version used: `2024-06-14T05:05:48Z`

Product Detection Result
Product: `cpe:/a:ietf:secure_shell_protocol`
Method: `SSH Protocol Algorithms Supported`
OID: 1.3.6.1.4.1.25623.1.0.105565)

References
`url: https://weakdh.org/sysadmin.html`
`url: https://www.rfc-editor.org/rfc/rfc9142`
`url: https://www.rfc-editor.org/rfc/rfc9142#name-summary-guidance-for-implem`
`url: https://www.rfc-editor.org/rfc/rfc6194`
`url: https://www.rfc-editor.org/rfc/rfc4253#section-6.5`

Medium (CVSS: 5.3)

NVT: Weak Host Key Algorithm(s) (SSH)

Product detection result
`cpe:/a:ietf:secure_shell_protocol`

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Detected by SSH Protocol Algorithms Supported (OID: 1.3.6.1.4.1.25623.1.0.105565
↪)

Summary
The remote SSH server is configured to allow / support weak host key algorithm(s).

Quality of Detection (QoD): 80%

Vulnerability Detection Result
The remote SSH server supports the following weak host key algorithm(s):
host key algorithm | Description

↪---------
ssh-dss | Digital Signature Algorithm (DSA) / Digital Signature Stand
↪ard (DSS)

Solution:
Solution type: Mitigation
Disable the reported weak host key algorithm(s).

Vulnerability Detection Method
Checks the supported host key algorithms of the remote SSH server.
Currently weak host key algorithms are defined as the following:
- ssh-dss: Digital Signature Algorithm (DSA) / Digital Signature Standard (DSS)
Details: Weak Host Key Algorithm(s) (SSH)
OID:1.3.6.1.4.1.25623.1.0.117687
Version used: 2024-06-14T05:05:48Z

Product Detection Result
Product: cpe:/a:ietf:secure_shell_protocol
Method: SSH Protocol Algorithms Supported
OID: 1.3.6.1.4.1.25623.1.0.105565)

References
url: https://www.rfc-editor.org/rfc/rfc8332
url: https://www.rfc-editor.org/rfc/rfc8709
url: https://www.rfc-editor.org/rfc/rfc4253#section-6.6

Medium (CVSS: 4.3)

NVT: Weak Encryption Algorithm(s) Supported (SSH)

Product detection result

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cpe:/a:ietf:secure_shell_protocol
Detected by SSH Protocol Algorithms Supported (OID: 1.3.6.1.4.1.25623.1.0.105565 ↪)

Summary
The remote SSH server is configured to allow / support weak encryption algorithm(s).

Quality of Detection (QoD): 80%

Vulnerability Detection Result
The remote SSH server supports the following weak client-to-server encryption al ↪gorithm(s):
3des-cbc
aes128-cbc
aes192-cbc
aes256-cbc
arcfour
blowfish-cbc
cast128-cbc
rijndael-cbc@lysator.liu.se
rijndael128-cbc
rijndael192-cbc
rijndael256-cbc
The remote SSH server supports the following weak server-to-client encryption al ↪gorithm(s):
3des-cbc
aes128-cbc
aes192-cbc
aes256-cbc
arcfour
blowfish-cbc
cast128-cbc
rijndael-cbc@lysator.liu.se
rijndael128-cbc
rijndael192-cbc
rijndael256-cbc

Solution:
Solution type: Mitigation
Disable the reported weak encryption algorithm(s).

Vulnerability Insight
- The 'arcfour' cipher is the Arcfour stream cipher with 128-bit keys. The Arcfour cipher is believed to be compatible with the RC4 cipher [SCHNEIER]. Arcfour (and RC4) has problems with weak keys, and should not be used anymore.

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- The 'none' algorithm specifies that no encryption is to be done. Note that this method provides no confidentiality protection, and it is NOT RECOMMENDED to use it.
- A vulnerability exists in SSH messages that employ CBC mode that may allow an attacker to recover plaintext from a block of ciphertext.

Vulnerability Detection Method
Checks the supported encryption algorithms (client-to-server and server-to-client) of the remote SSH server.
Currently weak encryption algorithms are defined as the following:
- Arcfour (RC4) cipher based algorithms
- 'none' algorithm
- CBC mode cipher based algorithms
Details: `Weak Encryption Algorithm(s) Supported (SSH)`
OID:1.3.6.1.4.1.25623.1.0.105611
Version used: `2024-06-14T05:05:48Z`

Product Detection Result
Product: `cpe:/a:ietf:secure_shell_protocol`
Method: `SSH Protocol Algorithms Supported`
OID: 1.3.6.1.4.1.25623.1.0.105565)

References
`url: https://www.rfc-editor.org/rfc/rfc8758`
`url: https://www.kb.cert.org/vuls/id/958563`
`url: https://www.rfc-editor.org/rfc/rfc4253#section-6.3`

[return to 192.168.18.139]

2.1.6 Medium 80/tcp

Medium (CVSS: 5.8)

NVT: HTTP Debugging Methods (TRACE/TRACK) Enabled

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

Quality of Detection (QoD): 99%

Vulnerability Detection Result
`The web server has the following HTTP methods enabled: TRACE`

Impact

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An attacker may use this flaw to trick your legitimate web users to give him their credentials.

Solution:
Solution type: Mitigation
Disable the TRACE and TRACK methods in your web server configuration.
Please see the manual of your web server or the references for more information.

Affected Software/OS
Web servers with enabled TRACE and/or TRACK methods.

Vulnerability Insight
It has been shown that web servers supporting this methods are subject to cross-site-scripting attacks, dubbed XST for Cross-Site-Tracing, when used in conjunction with various weaknesses in browsers.

Vulnerability Detection Method
Checks if HTTP methods such as TRACE and TRACK are enabled and can be used.
Details: `HTTP Debugging Methods (TRACE/TRACK) Enabled`
OID:1.3.6.1.4.1.25623.1.0.11213
Version used: `2023-08-01T13:29:10Z`

References
`cve: CVE-2003-1567`
`cve: CVE-2004-2320`
`cve: CVE-2004-2763`
`cve: CVE-2005-3398`
`cve: CVE-2006-4683`
`cve: CVE-2007-3008`
`cve: CVE-2008-7253`
`cve: CVE-2009-2823`
`cve: CVE-2010-0386`
`cve: CVE-2012-2223`
`cve: CVE-2014-7883`
`url: http://www.kb.cert.org/vuls/id/288308`
`url: http://www.securityfocus.com/bid/11604`
`url: http://www.securityfocus.com/bid/15222`
`url: http://www.securityfocus.com/bid/19915`
`url: http://www.securityfocus.com/bid/24456`
`url: http://www.securityfocus.com/bid/33374`
`url: http://www.securityfocus.com/bid/36956`
`url: http://www.securityfocus.com/bid/36990`
`url: http://www.securityfocus.com/bid/37995`
`url: http://www.securityfocus.com/bid/9506`
`url: http://www.securityfocus.com/bid/9561`
`url: http://www.kb.cert.org/vuls/id/867593`
`url: https://httpd.apache.org/docs/current/en/mod/core.html#traceenable`

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```
url: https://techcommunity.microsoft.com/t5/iis-support-blog/http-track-and-trac
↪e-verbs/ba-p/784482
url: https://owasp.org/www-community/attacks/Cross_Site_Tracing
cert-bund: CB-K14/0981
dfn-cert: DFN-CERT-2021-1825
dfn-cert: DFN-CERT-2014-1018
dfn-cert: DFN-CERT-2010-0020
```

Medium (CVSS: 5.0)

NVT: Apache HTTP Server UserDir Sensitive Information Disclosure

Product detection result

```
cpe:/a:apache:http_server:1.3.20
Detected by Apache HTTP Server Detection Consolidation (OID: 1.3.6.1.4.1.25623.1
↪.0.117232)
```

Summary

An information leak occurs on Apache HTTP Server based web servers whenever the UserDir module is enabled. The vulnerability allows an external attacker to enumerate existing accounts by requesting access to their home directory and monitoring the response.

Quality of Detection (QoD): 70%

Vulnerability Detection Result

Vulnerability was detected according to the Vulnerability Detection Method.

Solution:

Solution type: Mitigation

1) Disable this feature by changing 'UserDir public_html' (or whatever) to 'UserDir disabled'.
Or
2) Use a RedirectMatch rewrite rule under Apache – this works even if there is no such entry in the password file, e.g.: RedirectMatch ^/ (.*)$ http://example.com/$1
Or
3) Add into httpd.conf:
ErrorDocument 404 http://example.com/sample.html
ErrorDocument 403 http://example.com/sample.html
(NOTE: You need to use a FQDN inside the URL for it to work properly).

Vulnerability Detection Method

Details: `Apache HTTP Server UserDir Sensitive Information Disclosure`
OID:1.3.6.1.4.1.25623.1.0.10766
Version used: `2023-06-22T10:34:15Z`

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Product Detection Result
Product: cpe:/a:apache:http_server:1.3.20
Method: Apache HTTP Server Detection Consolidation
OID: 1.3.6.1.4.1.25623.1.0.117232)

References
cve: CVE-2001-1013
url: http://www.securiteam.com/unixfocus/5WP0C1F5FI.html
url: http://www.securityfocus.com/bid/3335
cert-bund: CB-K14/0304
dfn-cert: DFN-CERT-2014-0315

Medium (CVSS: 4.3)

NVT: Apache HTTP Server 'httpOnly' Cookie Information Disclosure Vulnerability

Product detection result
cpe:/a:apache:http_server:1.3.20
Detected by Apache HTTP Server Detection Consolidation (OID: 1.3.6.1.4.1.25623.1
↪.0.117232)

Summary
Apache HTTP Server is prone to a cookie information disclosure vulnerability.

Quality of Detection (QoD): 99%

Vulnerability Detection Result
Vulnerability was detected according to the Vulnerability Detection Method.

Impact
Successful exploitation will allow attackers to obtain sensitive information that may aid in further attacks.

Solution:
Solution type: VendorFix
Update to Apache HTTP Server version 2.2.22 or later.

Affected Software/OS
Apache HTTP Server versions 2.2.0 through 2.2.21.

Vulnerability Insight

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The flaw is due to an error within the default error response for status code 400 when no custom ErrorDocument is configured, which can be exploited to expose 'httpOnly' cookies.

Vulnerability Detection Method
Details: Apache HTTP Server 'httpOnly' Cookie Information Disclosure Vulnerability
OID:1.3.6.1.4.1.25623.1.0.902830
Version used: 2025-03-05T05:38:53Z

Product Detection Result
Product: cpe:/a:apache:http_server:1.3.20
Method: Apache HTTP Server Detection Consolidation
OID: 1.3.6.1.4.1.25623.1.0.117232)

References
cve: CVE-2012-0053
url: http://secunia.com/advisories/47779
url: http://www.securityfocus.com/bid/51706
url: http://www.exploit-db.com/exploits/18442
url: http://rhn.redhat.com/errata/RHSA-2012-0128.html
url: http://httpd.apache.org/security/vulnerabilities_22.html
url: http://svn.apache.org/viewvc?view=revision&revision=1235454
url: http://lists.opensuse.org/opensuse-security-announce/2012-02/msg00026.html
cert-bund: CB-K15/0080
cert-bund: CB-K14/1505
cert-bund: CB-K14/0608
dfn-cert: DFN-CERT-2015-0082
dfn-cert: DFN-CERT-2014-1592
dfn-cert: DFN-CERT-2014-0635
dfn-cert: DFN-CERT-2013-1307
dfn-cert: DFN-CERT-2012-1276
dfn-cert: DFN-CERT-2012-1112
dfn-cert: DFN-CERT-2012-0928
dfn-cert: DFN-CERT-2012-0758
dfn-cert: DFN-CERT-2012-0744
dfn-cert: DFN-CERT-2012-0568
dfn-cert: DFN-CERT-2012-0425
dfn-cert: DFN-CERT-2012-0424
dfn-cert: DFN-CERT-2012-0387
dfn-cert: DFN-CERT-2012-0343
dfn-cert: DFN-CERT-2012-0332
dfn-cert: DFN-CERT-2012-0306
dfn-cert: DFN-CERT-2012-0264
dfn-cert: DFN-CERT-2012-0203
dfn-cert: DFN-CERT-2012-0188

Medium (CVSS: 4.3)

NVT: Apache HTTP Server ETag Header Information Disclosure Weakness

Product detection result
cpe:/a:apache:http_server:1.3.20
Detected by Apache HTTP Server Detection Consolidation (OID: 1.3.6.1.4.1.25623.1
↪.0.117232)

Summary
A weakness has been discovered in the Apache HTTP Server if configured to use the FileETag directive.

Quality of Detection (QoD): 80%

Vulnerability Detection Result
Information that was gathered:
Inode: 34821
Size: 2890

Impact
Exploitation of this issue may provide an attacker with information that may be used to launch further attacks against a target network.

Solution:
Solution type: VendorFix
OpenBSD has released a patch that addresses this issue. Inode numbers returned from the server are now encoded using a private hash to avoid the release of sensitive information.
Novell has released TID10090670 to advise users to apply the available workaround of disabling the directive in the configuration file for Apache releases on NetWare. Please see the attached Technical Information Document for further details.

Vulnerability Detection Method
Due to the way in which Apache HTTP Server generates ETag response headers, it may be possible for an attacker to obtain sensitive information regarding server files. Specifically, ETag header fields returned to a client contain the file's inode number.
Details: Apache HTTP Server ETag Header Information Disclosure Weakness
OID:1.3.6.1.4.1.25623.1.0.103122
Version used: 2022-12-05T10:11:03Z

Product Detection Result
Product: cpe:/a:apache:http_server:1.3.20
Method: Apache HTTP Server Detection Consolidation
OID: 1.3.6.1.4.1.25623.1.0.117232)

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References
cve: CVE-2003-1418
url: http://www.securityfocus.com/bid/6939
url: http://httpd.apache.org/docs/mod/core.html#fileetag
url: http://www.openbsd.org/errata32.html
url: http://support.novell.com/docs/Tids/Solutions/10090670.html
cert-bund: CB-K17/1750
cert-bund: CB-K17/0896
cert-bund: CB-K15/0469
dfn-cert: DFN-CERT-2017-1821
dfn-cert: DFN-CERT-2017-0925
dfn-cert: DFN-CERT-2015-0495

[return to 192.168.18.139]

2.1.7 Low 443/tcp

Low (CVSS: 3.7)

NVT: SSL/TLS: 'DHE_EXPORT' MITM Security Bypass Vulnerability (LogJam)

Product detection result
cpe:/a:ietf:transport_layer_security
Detected by SSL/TLS: Report Supported Cipher Suites (OID: 1.3.6.1.4.1.25623.1.0.
↪802067)

Summary
This host is accepting 'DHE_EXPORT' cipher suites and is prone to a man-in-the-middle (MITM) vulnerability.

Quality of Detection (QoD): 80%

Vulnerability Detection Result
'DHE_EXPORT' cipher suites accepted by this service via the SSLv3 protocol:
TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA
'DHE_EXPORT' cipher suites accepted by this service via the TLSv1.0 protocol:
TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA

Impact
Successful exploitation will allow a man-in-the-middle attacker to downgrade the security of a TLS session to 512-bit export-grade cryptography, which is significantly weaker, allowing the attacker to more easily break the encryption and monitor or tamper with the encrypted stream.

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Solution:
Solution type: VendorFix
- Remove support for 'DHE_EXPORT' cipher suites from the service. Please see the references for more resources supporting you with this task.
- If the service is using OpenSSL: Update to version 1.0.1n, 1.0.2b or later.

Affected Software/OS
- Hosts accepting 'DHE_EXPORT' cipher suites.
- OpenSSL versions prior to 1.0.1n and 1.0.2 prior to 1.0.2b.

Vulnerability Insight
Flaw is triggered when handling Diffie-Hellman key exchanges defined in the 'DHE_EXPORT' cipher suites.

Vulnerability Detection Method
Checks previous collected cipher suites.
Details: `SSL/TLS: 'DHE_EXPORT' MITM Security Bypass Vulnerability (LogJam)`
OID:1.3.6.1.4.1.25623.1.0.805188
Version used: `2025-03-27T05:38:50Z`

Product Detection Result
Product: `cpe:/a:ietf:transport_layer_security`
Method: `SSL/TLS: Report Supported Cipher Suites`
OID: 1.3.6.1.4.1.25623.1.0.802067)

References
`cve: CVE-2015-4000`
`url: https://weakdh.org`
`url: https://weakdh.org/sysadmin.html`
`url: https://web.archive.org/web/20210122160144/http://www.securityfocus.com/bid/74733`
`url: https://weakdh.org/imperfect-forward-secrecy.pdf`
`url: https://openwall.com/lists/oss-security/2015/05/20/8`
`url: https://blog.cloudflare.com/logjam-the-latest-tls-vulnerability-explained`
`url: https://openssl-library.org/post/2015-05-20-logjam-freak-upcoming-changes/index.html`
`url: https://ssl-config.mozilla.org`
`url: https://www.bsi.bund.de/SharedDocs/Downloads/EN/BSI/Publications/TechGuidelines/TG02102/BSI-TR-02102-1.html`
`url: https://www.bsi.bund.de/EN/Themen/Oeffentliche-Verwaltung/Mindeststandards/TLS-Protokoll/TLS-Protokoll_node.html`
`url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Publikationen/TechnischeRichtlinien/TR03116/BSI-TR-03116-4.html`
`url: https://www.bsi.bund.de/SharedDocs/Downloads/DE/BSI/Mindeststandards/Mindestandard_BSI_TLS_Version_2_4.html`

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```
url: https://web.archive.org/web/20240113175943/https://www.bettercrypto.org
url: https://www.enisa.europa.eu/publications/algorithms-key-size-and-parameters
↪-report-2014
cert-bund: CB-K21/0067
cert-bund: CB-K19/0812
cert-bund: CB-K16/1593
cert-bund: CB-K16/1552
cert-bund: CB-K16/0617
cert-bund: CB-K16/0599
cert-bund: CB-K16/0168
cert-bund: CB-K16/0121
cert-bund: CB-K16/0090
cert-bund: CB-K16/0030
cert-bund: CB-K15/1591
cert-bund: CB-K15/1550
cert-bund: CB-K15/1517
cert-bund: CB-K15/1464
cert-bund: CB-K15/1442
cert-bund: CB-K15/1334
cert-bund: CB-K15/1269
cert-bund: CB-K15/1136
cert-bund: CB-K15/1090
cert-bund: CB-K15/1059
cert-bund: CB-K15/1022
cert-bund: CB-K15/1015
cert-bund: CB-K15/0964
cert-bund: CB-K15/0932
cert-bund: CB-K15/0927
cert-bund: CB-K15/0926
cert-bund: CB-K15/0907
cert-bund: CB-K15/0901
cert-bund: CB-K15/0896
cert-bund: CB-K15/0877
cert-bund: CB-K15/0834
cert-bund: CB-K15/0802
cert-bund: CB-K15/0733
dfn-cert: DFN-CERT-2023-2939
dfn-cert: DFN-CERT-2021-0775
dfn-cert: DFN-CERT-2020-1561
dfn-cert: DFN-CERT-2020-1276
dfn-cert: DFN-CERT-2016-1692
dfn-cert: DFN-CERT-2016-1648
dfn-cert: DFN-CERT-2016-0665
dfn-cert: DFN-CERT-2016-0642
dfn-cert: DFN-CERT-2016-0184
dfn-cert: DFN-CERT-2016-0135
dfn-cert: DFN-CERT-2016-0101
```

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```
dfn-cert: DFN-CERT-2016-0035
dfn-cert: DFN-CERT-2015-1679
dfn-cert: DFN-CERT-2015-1632
dfn-cert: DFN-CERT-2015-1608
dfn-cert: DFN-CERT-2015-1542
dfn-cert: DFN-CERT-2015-1518
dfn-cert: DFN-CERT-2015-1406
dfn-cert: DFN-CERT-2015-1341
dfn-cert: DFN-CERT-2015-1194
dfn-cert: DFN-CERT-2015-1144
dfn-cert: DFN-CERT-2015-1113
dfn-cert: DFN-CERT-2015-1078
dfn-cert: DFN-CERT-2015-1067
dfn-cert: DFN-CERT-2015-1016
dfn-cert: DFN-CERT-2015-0980
dfn-cert: DFN-CERT-2015-0977
dfn-cert: DFN-CERT-2015-0976
dfn-cert: DFN-CERT-2015-0960
dfn-cert: DFN-CERT-2015-0956
dfn-cert: DFN-CERT-2015-0944
dfn-cert: DFN-CERT-2015-0925
dfn-cert: DFN-CERT-2015-0879
dfn-cert: DFN-CERT-2015-0844
dfn-cert: DFN-CERT-2015-0737
```

Low (CVSS: 3.4)

NVT: SSL/TLS: SSLv3 Protocol CBC Cipher Suites Information Disclosure Vulnerability (POODLE)

Product detection result

```
cpe:/a:ietf:transport_layer_security
Detected by SSL/TLS: Report Supported Cipher Suites (OID: 1.3.6.1.4.1.25623.1.0.
↪802067)
```

Summary

This host is prone to an information disclosure vulnerability.

Quality of Detection (QoD): 80%

Vulnerability Detection Result

Vulnerability was detected according to the Vulnerability Detection Method.

Impact

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Successful exploitation will allow a man-in-the-middle attackers gain access to the plain text data stream.

Solution:
Solution type: Mitigation
Possible Mitigations are:
- Disable SSLv3
- Disable cipher suites supporting CBC cipher modes
- Enable TLS_FALLBACK_SCSV if the service is providing TLSv1.0+

Vulnerability Insight
The flaw is due to the block cipher padding not being deterministic and not covered by the Message Authentication Code

Vulnerability Detection Method
Evaluate previous collected information about this service.
Details: `SSL/TLS: SSLv3 Protocol CBC Cipher Suites Information Disclosure Vulnerability ..`
OID:1.3.6.1.4.1.25623.1.0.802087
Version used: `2024-09-30T08:38:05Z`

Product Detection Result
Product: `cpe:/a:ietf:transport_layer_security`
Method: `SSL/TLS: Report Supported Cipher Suites`
OID: 1.3.6.1.4.1.25623.1.0.802067)

References
`cve: CVE-2014-3566`
`url: https://www.openssl.org/~bodo/ssl-poodle.pdf`
`url: http://www.securityfocus.com/bid/70574`
`url: https://www.imperialviolet.org/2014/10/14/poodle.html`
`url: https://www.dfranke.us/posts/2014-10-14-how-poodle-happened.html`
`url: http://googleonlinesecurity.blogspot.in/2014/10/this-poodle-bites-exploitin`
`↪g-ssl-30.html`
`cert-bund: WID-SEC-2025-1658`
`cert-bund: WID-SEC-2023-0431`
`cert-bund: CB-K17/1198`
`cert-bund: CB-K17/1196`
`cert-bund: CB-K16/1828`
`cert-bund: CB-K16/1438`
`cert-bund: CB-K16/1384`
`cert-bund: CB-K16/1102`
`cert-bund: CB-K16/0599`
`cert-bund: CB-K16/0156`
`cert-bund: CB-K15/1514`

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cert-bund: CB-K15/1358
cert-bund: CB-K15/1021
cert-bund: CB-K15/0972
cert-bund: CB-K15/0637
cert-bund: CB-K15/0590
cert-bund: CB-K15/0525
cert-bund: CB-K15/0393
cert-bund: CB-K15/0384
cert-bund: CB-K15/0287
cert-bund: CB-K15/0252
cert-bund: CB-K15/0246
cert-bund: CB-K15/0237
cert-bund: CB-K15/0118
cert-bund: CB-K15/0110
cert-bund: CB-K15/0108
cert-bund: CB-K15/0080
cert-bund: CB-K15/0078
cert-bund: CB-K15/0077
cert-bund: CB-K15/0075
cert-bund: CB-K14/1617
cert-bund: CB-K14/1581
cert-bund: CB-K14/1537
cert-bund: CB-K14/1479
cert-bund: CB-K14/1458
cert-bund: CB-K14/1342
cert-bund: CB-K14/1314
cert-bund: CB-K14/1313
cert-bund: CB-K14/1311
cert-bund: CB-K14/1304
cert-bund: CB-K14/1296
dfn-cert: DFN-CERT-2017-1238
dfn-cert: DFN-CERT-2017-1236
dfn-cert: DFN-CERT-2016-1929
dfn-cert: DFN-CERT-2016-1527
dfn-cert: DFN-CERT-2016-1468
dfn-cert: DFN-CERT-2016-1168
dfn-cert: DFN-CERT-2016-0884
dfn-cert: DFN-CERT-2016-0642
dfn-cert: DFN-CERT-2016-0388
dfn-cert: DFN-CERT-2016-0171
dfn-cert: DFN-CERT-2015-1431
dfn-cert: DFN-CERT-2015-1075
dfn-cert: DFN-CERT-2015-1026
dfn-cert: DFN-CERT-2015-0664
dfn-cert: DFN-CERT-2015-0548
dfn-cert: DFN-CERT-2015-0404
dfn-cert: DFN-CERT-2015-0396

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```
dfn-cert: DFN-CERT-2015-0259
dfn-cert: DFN-CERT-2015-0254
dfn-cert: DFN-CERT-2015-0245
dfn-cert: DFN-CERT-2015-0118
dfn-cert: DFN-CERT-2015-0114
dfn-cert: DFN-CERT-2015-0083
dfn-cert: DFN-CERT-2015-0082
dfn-cert: DFN-CERT-2015-0081
dfn-cert: DFN-CERT-2015-0076
dfn-cert: DFN-CERT-2014-1717
dfn-cert: DFN-CERT-2014-1680
dfn-cert: DFN-CERT-2014-1632
dfn-cert: DFN-CERT-2014-1564
dfn-cert: DFN-CERT-2014-1542
dfn-cert: DFN-CERT-2014-1414
dfn-cert: DFN-CERT-2014-1366
dfn-cert: DFN-CERT-2014-1354
```

[return to 192.168.18.139]

2.1.8 Low general/tcp

Low (CVSS: 2.6)

NVT: TCP Timestamps Information Disclosure

Summary
The remote host implements TCP timestamps and therefore allows to compute the uptime.

Quality of Detection (QoD): 80%

Vulnerability Detection Result

```
It was detected that the host implements RFC1323/RFC7323.
The following timestamps were retrieved with a delay of 1 seconds in-between:
Packet 1: 123294
Packet 2: 123404
```

Impact
A side effect of this feature is that the uptime of the remote host can sometimes be computed.

Solution:
Solution type: Mitigation
To disable TCP timestamps on linux add the line 'net.ipv4.tcp_timestamps = 0' to /etc/sysctl.conf. Execute 'sysctl -p' to apply the settings at runtime.
To disable TCP timestamps on Windows execute 'netsh int tcp set global timestamps=disabled'

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Starting with Windows Server 2008 and Vista, the timestamp can not be completely disabled.
The default behavior of the TCP/IP stack on this Systems is to not use the Timestamp options when initiating TCP connections, but use them if the TCP peer that is initiating communication includes them in their synchronize (SYN) segment.
See the references for more information.

Affected Software/OS
TCP implementations that implement RFC1323/RFC7323.

Vulnerability Insight
The remote host implements TCP timestamps, as defined by RFC1323/RFC7323.

Vulnerability Detection Method
Special IP packets are forged and sent with a little delay in between to the target IP. The responses are searched for a timestamps. If found, the timestamps are reported.
Details: `TCP Timestamps Information Disclosure`
OID:1.3.6.1.4.1.25623.1.0.80091
Version used: `2023-12-15T16:10:08Z`

References
`url: https://datatracker.ietf.org/doc/html/rfc1323`
`url: https://datatracker.ietf.org/doc/html/rfc7323`
`url: https://web.archive.org/web/20151213072445/http://www.microsoft.com/en-us/d`
`↪ownload/details.aspx?id=9152`
`url: https://www.fortiguard.com/psirt/FG-IR-16-090`

[return to 192.168.18.139]

2.1.9 Low 22/tcp

Low (CVSS: 2.6)

NVT: Weak MAC Algorithm(s) Supported (SSH)

Product detection result
`cpe:/a:ietf:secure_shell_protocol`
`Detected by SSH Protocol Algorithms Supported (OID: 1.3.6.1.4.1.25623.1.0.105565`
`↪)`

Summary
The remote SSH server is configured to allow / support weak MAC algorithm(s).

Quality of Detection (QoD): 80%

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Vulnerability Detection Result
The remote SSH server supports the following weak client-to-server MAC algorithm
↪(s):
hmac-md5
hmac-md5-96
hmac-sha1-96
The remote SSH server supports the following weak server-to-client MAC algorithm
↪(s):
hmac-md5
hmac-md5-96
hmac-sha1-96

Solution:
Solution type: Mitigation
Disable the reported weak MAC algorithm(s).

Vulnerability Detection Method
Checks the supported MAC algorithms (client-to-server and server-to-client) of the remote SSH server.
Currently weak MAC algorithms are defined as the following:
- MD5 based algorithms
- 96-bit based algorithms
- 64-bit based algorithms
- 'none' algorithm
Details: Weak MAC Algorithm(s) Supported (SSH)
OID:1.3.6.1.4.1.25623.1.0.105610
Version used: 2024-06-14T05:05:48Z

Product Detection Result
Product: cpe:/a:ietf:secure_shell_protocol
Method: SSH Protocol Algorithms Supported
OID: 1.3.6.1.4.1.25623.1.0.105565)

References
url: https://www.rfc-editor.org/rfc/rfc6668
url: https://www.rfc-editor.org/rfc/rfc4253#section-6.4

[return to 192.168.18.139]

2.1.10 Low general/icmp

Low (CVSS: 2.1)

NVT: ICMP Timestamp Reply Information Disclosure

Summary
The remote host responded to an ICMP timestamp request.

Quality of Detection (QoD): 80%

Vulnerability Detection Result
```
The following response / ICMP packet has been received:
- ICMP Type: 14
- ICMP Code: 0
```

Impact
This information could theoretically be used to exploit weak time-based random number generators in other services.

Solution:
Solution type: Mitigation
Various mitigations are possible:
- Disable the support for ICMP timestamp on the remote host completely
- Protect the remote host by a firewall, and block ICMP packets passing through the firewall in either direction (either completely or only for untrusted networks)

Vulnerability Insight
The Timestamp Reply is an ICMP message which replies to a Timestamp message. It consists of the originating timestamp sent by the sender of the Timestamp as well as a receive timestamp and a transmit timestamp.

Vulnerability Detection Method
Sends an ICMP Timestamp (Type 13) request and checks if a Timestamp Reply (Type 14) is received.
Details: `ICMP Timestamp Reply Information Disclosure`
OID:1.3.6.1.4.1.25623.1.0.103190
Version used: `2025-01-21T05:37:33Z`

References
```
cve: CVE-1999-0524
url: https://datatracker.ietf.org/doc/html/rfc792
url: https://datatracker.ietf.org/doc/html/rfc2780
cert-bund: CB-K15/1514
cert-bund: CB-K14/0632
dfn-cert: DFN-CERT-2014-0658
```

[return to 192.168.18.139]