Scan Report

June 23, 2022

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 "WSScan-01-06". The scan started at Wed Jun 1 09:31:02 2022 UTC and ended at Wed Jun 1 10:22:48 2022 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.

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1 Result Overview

Host	High	Medium	Low	Log	False Positive
79.61.138.204 host-79-61-138-204.business.telecomitalia.it	1	4	0	0	0
Total: 1	1	4	0	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 5 results selected by the filtering described above. Before filtering there were 430 results.

2 Results per Host

2.1 79.61.138.204

Host scan start	Wed Jun 1 09:31:20 2022 UTC
Host scan end	Wed Jun 1 10:22:43 2022 UTC

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

2.1.1 High 443/tcp

High (CVSS: 7.5)
NVT: SSL/TLS: Report Vulnerable Cipher Suites for HTTPS

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

Vulnerability Detection Result

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'Vulnerable' cipher suites accepted by this service via the TLSv1.0 protocol:
TLS_DHE_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
TLS_ECDHE_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
TLS_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
'Vulnerable' cipher suites accepted by this service via the TLSv1.1 protocol:
TLS_DHE_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
TLS_ECDHE_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
TLS_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
'Vulnerable' cipher suites accepted by this service via the TLSv1.2 protocol:
TLS_DHE_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
TLS_ECDHE_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)
TLS_RSA_WITH_3DES_EDE_CBC_SHA (SWEET32)

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
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
Details: SSL/TLS: Report Vulnerable Cipher Suites for HTTPS
OID:1.3.6.1.4.1.25623.1.0.108031
Version used: 2021-09-20T09:01:50Z

References
cve: CVE-2016-2183
cve: CVE-2016-6329
cve: CVE-2020-12872
url: https://bettercrypto.org/
url: https://mozilla.github.io/server-side-tls/ssl-config-generator/
url: https://sweet32.info/
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

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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
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-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

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```
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
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 79.61.138.204]

2.1.2 Medium 443/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.

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
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: `2022-05-13T10:17:58Z`

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`

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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: 5.0)
NVT: SSL/TLS: Known Untrusted / Dangerous Certificate Authority (CA) Detection

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

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=#726F6F74406C6F63616C686F7374,CN=localhost,OU=SomeO
↪rganizationalUnit,O=SomeOrganization,L=SomeCity,ST=SomeState,C=--
Certificate details:
fingerprint (SHA-1)             | 58706028C6043E8095A95D0C77083785ED66FE62
fingerprint (SHA-256)           | 6963D3A1B67E5063004A68CF25FA0C877E9A370E35EA64
↪598150847524E627F0
issued by                       | 1.2.840.113549.1.9.1=#726F6F74406C6F63616C686F
↪7374,CN=localhost,OU=SomeOrganizationalUnit,O=SomeOrganization,L=SomeCity,ST=S
↪omeState,C=--
public key algorithm            | RSA
public key size (bits)          | 2048
serial                          | 0506
signature algorithm             | sha256WithRSAEncryption
subject                         | 1.2.840.113549.1.9.1=#726F6F74406C6F63616C686F
↪7374,CN=localhost,OU=SomeOrganizationalUnit,O=SomeOrganization,L=SomeCity,ST=S
↪omeState,C=--
subject alternative names (SAN) | None
valid from                      | 2022-05-25 08:18:47 UTC
```

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valid until	2023-05-25 08:18:47 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
OID:1.3.6.1.4.1.25623.1.0.113054
Version used: 2021-11-22T15:32:39Z

Medium (CVSS: 4.3)
NVT: SSL/TLS: Deprecated TLSv1.0 and TLSv1.1 Protocol Detection

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

Vulnerability Detection Result
In addition to TLSv1.2+ the service is also providing the deprecated TLSv1.0 and
↪ TLSv1.1 protocols and supports one or more ciphers. Those supported ciphers c
↪an be found in the 'SSL/TLS: Report Supported 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 information.

Affected Software/OS
All services providing an encrypted communication using the TLSv1.0 and/or TLSv1.1 protocols.

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Vulnerability Insight
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
Check 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: 2021-07-19T08:11:48Z

References
url: https://ssl-config.mozilla.org/
cve: CVE-2011-3389
cve: CVE-2015-0204
url: https://bettercrypto.org/
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://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-K15/0079
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

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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
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

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```
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
```

[return to 79.61.138.204]

2.1.3 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.

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.

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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: `2022-05-13T10:17:58Z`

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`

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```
↪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
```

[return to 79.61.138.204]
