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SSL Report: cameonet.de (212.8.214.3)

Assessed on: Fri Nov 28 00:42:00 PST 2014 | Clear cache

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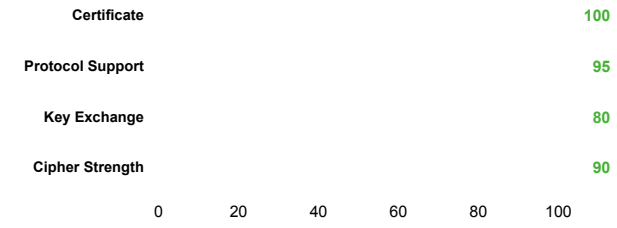
Summary

Overall Rating

A+



Visit our documentation page for more information, configuration guides, and books. Known issues are documented here.

This server is not vulnerable to the POODLE attack because it doesn't support SSL 3. MORE INFO »

This server supports HTTP Strict Transport Security with long duration. Grade set to A+. MORE INFO »

Authentication

Server Key and Certificate #1

Common names	www.cameonet.de
Alternative names	www.cameonet.de cameonet.de
Prefix handling	Both (with and without WWW)
Valid from	Mon Jun 23 17:00:00 PDT 2014
Valid until	Tue Sep 22 16:59:59 PDT 2015 (expires in 9 months and 28 days)
Key	RSA 2048 bits
Weak key (Debian)	No
Issuer	COMODO RSA Extended Validation Secure Server CA
Signature algorithm	SHA256withRSA
Extended Validation	Yes
Revocation information	CRL, OCSP
Revocation status	Good (not revoked)
Trusted	Yes

Additional Certificates (if supplied)

Certificates provided	3 (4508 bytes)
Chain issues	None

#2

Subject	COMODO RSA Extended Validation Secure Server CA SHA1: 1f365c20e52ad2a6b09020a0e5539759c98df8d0
Valid until	Thu Feb 11 15:59:59 PST 2027 (expires in 12 years and 2 months)
Key	RSA 2048 bits
Issuer	COMODO RSA Certification Authority
Signature algorithm	SHA384withRSA

Additional Certificates (if supplied)

#3

Subject	COMODO RSA Certification Authority SHA1: f5ad0bcc1ad56cd150725b1c866c30ad92ef21b0
Valid until	Sat May 30 03:48:38 PDT 2020 (expires in 5 years and 6 months)
Key	RSA 4096 bits
Issuer	AddTrust External CA Root
Signature algorithm	SHA384withRSA

Certification Paths

Path #1: Trusted

1	Sent by server	www.cameonet.de SHA1: 41538fd823985b48f70dc3dd89ddce8c009d85d5 RSA 2048 bits / SHA256withRSA
2	Sent by server	COMODO RSA Extended Validation Secure Server CA SHA1: 1f365c20e52ad2a6b09020a0e5539759c98df8d0 RSA 2048 bits / SHA384withRSA
3	Sent by server	COMODO RSA Certification Authority SHA1: f5ad0bcc1ad56cd150725b1c866c30ad92ef21b0 RSA 4096 bits / SHA384withRSA
4	In trust store	AddTrust External CA Root SHA1: 02faf3e291435468607857694df5e45b68851868 RSA 2048 bits / SHA1withRSA Weak or insecure signature, but no impact on root certificates

Configuration

Protocols

TLS 1.2	Yes
TLS 1.1	Yes
TLS 1.0	Yes
SSL 3	No
SSL 2	No

Cipher Suites (SSL 3+ suites in server-preferred order; deprecated and SSL 2 suites always at the end)

TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) ECDH 256 bits (eq. 3072 bits RSA) FS	256
TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) ECDH 256 bits (eq. 3072 bits RSA) FS	128
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) ECDH 256 bits (eq. 3072 bits RSA) FS	256
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) ECDH 256 bits (eq. 3072 bits RSA) FS	128
TLS_ECDHE_RSA_WITH_RC4_128_SHA (0xc011) ECDH 256 bits (eq. 3072 bits RSA) FS	128
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014) ECDH 256 bits (eq. 3072 bits RSA) FS	256
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) ECDH 256 bits (eq. 3072 bits RSA) FS	128
TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x9f) DH 1024 bits (p: 128, g: 1, Ys: 128) FS	256
TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x6b) DH 1024 bits (p: 128, g: 1, Ys: 128) FS	256
TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x39) DH 1024 bits (p: 128, g: 1, Ys: 128) FS	256
TLS_DHE_RSA_WITH_CAMELLIA_256_CBC_SHA (0x88) DH 1024 bits (p: 128, g: 1, Ys: 128) FS	256
TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x9e) DH 1024 bits (p: 128, g: 1, Ys: 128) FS	128
TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x67) DH 1024 bits (p: 128, g: 1, Ys: 128) FS	128
TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x33) DH 1024 bits (p: 128, g: 1, Ys: 128) FS	128
TLS_DHE_RSA_WITH_SEED_CBC_SHA (0x9a) DH 1024 bits (p: 128, g: 1, Ys: 128) FS	128
TLS_DHE_RSA_WITH_CAMELLIA_128_CBC_SHA (0x45) DH 1024 bits (p: 128, g: 1, Ys: 128) FS	128
TLS_RSA_WITH_RC4_128_SHA (0x5)	128

Handshake Simulation

Android 2.3.7 No SNI [2]	TLS 1.0	TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x33) FS	128
Android 4.0.4	TLS 1.0	TLS_ECDHE_RSA_WITH_RC4_128_SHA (0xc011) FS RC4	128
Android 4.1.1	TLS 1.0	TLS_ECDHE_RSA_WITH_RC4_128_SHA (0xc011) FS RC4	128
Android 4.2.2	TLS 1.0	TLS_ECDHE_RSA_WITH_RC4_128_SHA (0xc011) FS RC4	128
Android 4.3	TLS 1.0	TLS_ECDHE_RSA_WITH_RC4_128_SHA (0xc011) FS RC4	128
Android 4.4.2	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) FS	256
BingBot Dec 2013 No SNI [2]	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014) FS	256
BingPreview Jun 2014	TLS 1.0	TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x39) FS	256
Chrome 37 / OS X R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
Firefox 24.2.0 ESR / Win 7	TLS 1.0	TLS_ECDHE_RSA_WITH_RC4_128_SHA (0xc011) FS RC4	128
Firefox 32 / OS X R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
Googlebot Jun 2014	TLS 1.0	TLS_ECDHE_RSA_WITH_RC4_128_SHA (0xc011) FS RC4	128
IE 6 / XP No FS [1] No SNI [2]	Protocol or cipher suite mismatch		Fail[3]
IE 7 / Vista	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014) FS	256
IE 8 / XP No FS [1] No SNI [2]	TLS 1.0	TLS_RSA_WITH_RC4_128_SHA (0x5) No FS RC4	128
IE 8-10 / Win 7 R	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014) FS	256
IE 11 / Win 7 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) FS	128
IE 11 / Win 8.1 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) FS	256
IE Mobile 10 / Win Phone 8.0	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014) FS	256
IE Mobile 11 / Win Phone 8.1	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) FS	128
Java 6u45 No SNI [2]	TLS 1.0	TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x33) FS	128
Java 7u25	TLS 1.0	TLS_ECDHE_RSA_WITH_RC4_128_SHA (0xc011) FS RC4	128
Java 8b132	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
OpenSSL 0.9.8y	TLS 1.0	TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x39) FS	256
OpenSSL 1.0.1h	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) FS	256
Safari 5.1.9 / OS X 10.6.8	TLS 1.0	TLS_ECDHE_RSA_WITH_RC4_128_SHA (0xc011) FS RC4	128
Safari 6 / iOS 6.0.1 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) FS	256
Safari 7 / iOS 7.1 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) FS	256
Safari 8 / iOS 8.0 Beta R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) FS	256
Safari 6.0.4 / OS X 10.8.4 R	TLS 1.0	TLS_ECDHE_RSA_WITH_RC4_128_SHA (0xc011) FS RC4	128
Safari 7 / OS X 10.9 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) FS	256
Yahoo Slurp Jun 2014 No SNI [2]	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) FS	256
YandexBot Sep 2014	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) FS	256

(1) Clients that do not support Forward Secrecy (FS) are excluded when determining support for it.
(2) No support for virtual SSL hosting (SNI). Connects to the default site if the server uses SNI.
(3) Only first connection attempt simulated. Browsers tend to retry with a lower protocol version.
(R) Denotes a reference browser or client, with which we expect better effective security.
(All) We use defaults, but some platforms do not use their best protocols and features (e.g., Java 6 & 7, older IE).

Protocol Details

Secure Renegotiation	**Supported**
Secure Client-Initiated Renegotiation	No
Insecure Client-Initiated Renegotiation	No
BEAST attack	Mitigated server-side (more info) TLS 1.0: 0xc011
POODLE attack	No, SSL 3 not supported (more info)
Downgrade attack prevention	**No, TLS_FALLBACK_SCSV not supported** (more info)
TLS compression	No
RC4	Yes (not with TLS 1.1 and newer) (more info)
Heartbeat (extension)	Yes
Heartbleed (vulnerability)	No (more info)
OpenSSL CCS vuln. (CVE-2014-0224)	No (more info)

Protocol Details

Forward Secrecy	**Yes (with most browsers) ROBUST** (more info)
Next Protocol Negotiation	No
Session resumption (caching)	Yes
Session resumption (tickets)	Yes
OCSP stapling	No
Strict Transport Security (HSTS)	**Yes** max-age=31536000; includeSubDomains
Long handshake intolerance	No
TLS extension intolerance	No
TLS version intolerance	**TLS 2.98**
SSL 2 handshake compatibility	Yes

Miscellaneous

Test date	Fri Nov 28 00:40:10 PST 2014
Test duration	110.760 seconds
HTTP status code	200
HTTP server signature	nginx/1.4.6 (Ubuntu)
Server hostname	-
PCI compliant	Yes
FIPS-ready	No

SSL Report v1.10.36