SSL Report: www.trade.go.ke (102.210.148.26)

Assessed on: Mon, 26 Oct 2026 06:38:31 UTC | **HIDDEN** | Clear cache

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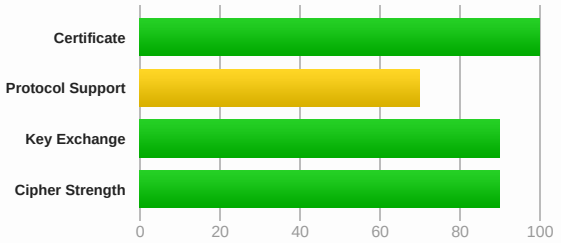
Summary

Overall Rating

B



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

This server supports TLS 1.0 and TLS 1.1. Grade capped to B. MORE INFO »

This server does not support TLS 1.3. MORE INFO »

This site works only in browsers with SNI support.

This server does not support PQC (Post-Quantum Cryptography) key exchange.

Certificate #1: RSA 2048 bits (SHA384withRSA)

Server Key and Certificate #1

Subject	*.trade.go.ke Fingerprint SHA256: e16ca7c382f22b5937b3e11dfc0438536e662d7aebbd97247a81db5a6a6e5c77 Pin SHA256: sVdjXgMy1YWXvBfCkGlgDEEEX2TzbNtriHEr5/vNBL0=
Common names	*.trade.go.ke
Alternative names	trade.go.ke *.trade.go.ke
Serial Number	3e7df7a5b9a829d2e955791aebd4cc
Valid from	Fri, 16 Oct 2026 22:53:23 UTC
Valid until	Wed, 13 Jan 2027 22:53:23 UTC (expires in 2 months and 18 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	EM DV TLS CA - G2A-1 AIA: http://repository.emsign.com/certs/EMDVTLSCAG2A1EE.p7c
Signature algorithm	SHA384withRSA
Extended Validation	No
Certificate Transparency	**Yes (certificate)**
OCSP Must Staple	No
Revocation information	CRL, OCSP CRL: http://crl.emsign.com?EMDVTLSCAG2A1.crl OCSP: http://ocsp-a.emsign.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)

Server Key and Certificate #1

Trusted	Yes Mozilla Apple Android Java Windows

Additional Certificates (if supplied)

Certificates provided	4 (5974 bytes)
Chain issues	Contains anchor

#2

Subject	EM DV TLS CA - G2A-1 Fingerprint SHA256: 3f13597d3355d341bd09328aee567d7f4e002d9919b986f9962daff197ea75d1 Pin SHA256: zrUpja649ZJ5SAtGACyJ93Vcw6FpUUsRuBC+/BlaANg=
Valid until	Mon, 28 May 2040 07:16:12 UTC (expires in 13 years and 7 months)
Key	RSA 4096 bits (e 65537)
Issuer	emSign Root TLS CA - G1
Signature algorithm	SHA384withRSA

#3

Subject	emSign Root TLS CA - G1 Fingerprint SHA256: 9b913476eab476e21e0887dbcde44345d1359d28116b83b7cd3e87bd807ebf68 Pin SHA256: 7OKONSic6GIcckB5SeUFAFKtRgfMMy6vm1RgKarL+3o=
Valid until	Sat, 09 Jul 2039 18:30:00 UTC (expires in 12 years and 8 months)
Key	RSA 4096 bits (e 65537)
Issuer	emSign Root CA - G1
Signature algorithm	SHA256withRSA

#4

Subject	emSign Root CA - G1 In trust store Fingerprint SHA256: 40f6af0346a99aa1cd1d555a4e9cce62c7f9634603ee406615833dc8c8d00367 Pin SHA256: N2oacIKlk9zMINVh0Rnpq40w8RzDIdCjf6QfDfKE4Bw=
Valid until	Wed, 18 Feb 2043 18:30:00 UTC (expires in 16 years and 3 months)
Key	RSA 2048 bits (e 65537)
Issuer	emSign Root CA - G1 Self-signed
Signature algorithm	SHA256withRSA

Certification Paths

Click here to expand

Certificate #2: RSA 2048 bits (SHA256withRSA) No SNI

Click here to expand

Configuration

Protocols

TLS 1.3	No
TLS 1.2	Yes*
TLS 1.1	Yes
TLS 1.0	Yes*
SSL 3	No

Protocols

SSL 2	No

(*) Experimental: Server negotiated using No-SNI

Cipher Suites

TLS 1.2 (suites in server-preferred order)

TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)	ECDH x25519 (eq. 3072 bits RSA)	FS		256
TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x9f)	DH 2048 bits	FS		256
TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)	ECDH x25519 (eq. 3072 bits RSA)	FS		256
TLS_DHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xccaa)	DH 2048 bits	FS		256
TLS_DHE_RSA_WITH_AES_256_CCM (0xc09f)	DH 2048 bits	FS		256
TLS_ECDHE_RSA_WITH_ARIA_256_GCM_SHA384 (0xc061)	ECDH x25519 (eq. 3072 bits RSA)	FS		256
TLS_DHE_RSA_WITH_ARIA_256_GCM_SHA384 (0xc053)	DH 2048 bits	FS		256
TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)	ECDH x25519 (eq. 3072 bits RSA)	FS		128
TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x9e)	DH 2048 bits	FS		128
TLS_DHE_RSA_WITH_AES_128_CCM (0xc09e)	DH 2048 bits	FS		128
TLS_ECDHE_RSA_WITH_ARIA_128_GCM_SHA256 (0xc060)	ECDH x25519 (eq. 3072 bits RSA)	FS		128
TLS_DHE_RSA_WITH_ARIA_128_GCM_SHA256 (0xc052)	DH 2048 bits	FS		128
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028)	ECDH x25519 (eq. 3072 bits RSA)	FS	WEAK	256
TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x6b)	DH 2048 bits	FS	WEAK	256
TLS_ECDHE_RSA_WITH_CAMELLIA_256_CBC_SHA384 (0xc077)	ECDH x25519 (eq. 3072 bits RSA)	FS	WEAK	256
TLS_DHE_RSA_WITH_CAMELLIA_256_CBC_SHA256 (0xc4)	DH 2048 bits	FS	WEAK	256
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027)	ECDH x25519 (eq. 3072 bits RSA)	FS	WEAK	128
TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x67)	DH 2048 bits	FS	WEAK	128
TLS_ECDHE_RSA_WITH_CAMELLIA_128_CBC_SHA256 (0xc076)	ECDH x25519 (eq. 3072 bits RSA)	FS	WEAK	128
TLS_DHE_RSA_WITH_CAMELLIA_128_CBC_SHA256 (0xbe)	DH 2048 bits	FS	WEAK	128
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)	ECDH x25519 (eq. 3072 bits RSA)	FS	WEAK	256
TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x39)	DH 2048 bits	FS	WEAK	256
TLS_DHE_RSA_WITH_CAMELLIA_256_CBC_SHA (0x88)	DH 2048 bits	FS	WEAK	256
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)	ECDH x25519 (eq. 3072 bits RSA)	FS	WEAK	128
TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x33)	DH 2048 bits	FS	WEAK	128
TLS_DHE_RSA_WITH_CAMELLIA_128_CBC_SHA (0x45)	DH 2048 bits	FS	WEAK	128
TLS_RSA_WITH_AES_256_GCM_SHA384 (0x9d)			WEAK	256
TLS_RSA_WITH_AES_256_CCM (0xc09d)			WEAK	256
TLS_RSA_WITH_ARIA_256_GCM_SHA384 (0xc051)			WEAK	256
TLS_RSA_WITH_AES_128_GCM_SHA256 (0x9c)			WEAK	128
TLS_RSA_WITH_AES_128_CCM (0xc09c)			WEAK	128
TLS_RSA_WITH_ARIA_128_GCM_SHA256 (0xc050)			WEAK	128
TLS_RSA_WITH_AES_256_CBC_SHA256 (0x3d)			WEAK	256
TLS_RSA_WITH_CAMELLIA_256_CBC_SHA256 (0xc0)			WEAK	256
TLS_RSA_WITH_AES_128_CBC_SHA256 (0x3c)			WEAK	128
TLS_RSA_WITH_CAMELLIA_128_CBC_SHA256 (0xba)			WEAK	128
TLS_RSA_WITH_AES_256_CBC_SHA (0x35)			WEAK	256
TLS_RSA_WITH_CAMELLIA_256_CBC_SHA (0x84)			WEAK	256
TLS_RSA_WITH_AES_128_CBC_SHA (0x2f)			WEAK	128
TLS_RSA_WITH_CAMELLIA_128_CBC_SHA (0x41)			WEAK	128
TLS_DHE_RSA_WITH_AES_256_CCM_8 (0xc0a3)	DH 2048 bits	FS		256
TLS_DHE_RSA_WITH_AES_128_CCM_8 (0xc0a2)	DH 2048 bits	FS		128
TLS_DHE_RSA_WITH_SEED_CBC_SHA (0x9a)	DH 2048 bits	FS	WEAK	128
TLS_RSA_WITH_AES_256_CCM_8 (0xc0a1)			WEAK	256
TLS_RSA_WITH_AES_128_CCM_8 (0xc0a0)			WEAK	128
TLS_RSA_WITH_SEED_CBC_SHA (0x96)			WEAK	128

Cipher Suites

TLS 1.1 (suites in server-preferred order)

TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)	ECDH x25519 (eq. 3072 bits RSA) FS	WEAK	256
TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x39)	DH 2048 bits FS	WEAK	256
TLS_DHE_RSA_WITH_CAMELLIA_256_CBC_SHA (0x88)	DH 2048 bits FS	WEAK	256
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)	ECDH x25519 (eq. 3072 bits RSA) FS	WEAK	128
TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x33)	DH 2048 bits FS	WEAK	128
TLS_DHE_RSA_WITH_CAMELLIA_128_CBC_SHA (0x45)	DH 2048 bits FS	WEAK	128
TLS_RSA_WITH_AES_256_CBC_SHA (0x35)		WEAK	256
TLS_RSA_WITH_CAMELLIA_256_CBC_SHA (0x84)		WEAK	256
TLS_RSA_WITH_AES_128_CBC_SHA (0x2f)		WEAK	128
TLS_RSA_WITH_CAMELLIA_128_CBC_SHA (0x41)		WEAK	128
TLS_DHE_RSA_WITH_SEED_CBC_SHA (0x9a)	DH 2048 bits FS	WEAK	128
TLS_RSA_WITH_SEED_CBC_SHA (0x96)		WEAK	128
TLS_RSA_WITH_IDEA_CBC_SHA (0x7)		WEAK	128

TLS 1.0 (suites in server-preferred order)

TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)	ECDH x25519 (eq. 3072 bits RSA) FS	WEAK	256
TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x39)	DH 2048 bits FS	WEAK	256
TLS_DHE_RSA_WITH_CAMELLIA_256_CBC_SHA (0x88)	DH 2048 bits FS	WEAK	256
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)	ECDH x25519 (eq. 3072 bits RSA) FS	WEAK	128
TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x33)	DH 2048 bits FS	WEAK	128
TLS_DHE_RSA_WITH_CAMELLIA_128_CBC_SHA (0x45)	DH 2048 bits FS	WEAK	128
TLS_RSA_WITH_AES_256_CBC_SHA (0x35)		WEAK	256
TLS_RSA_WITH_CAMELLIA_256_CBC_SHA (0x84)		WEAK	256
TLS_RSA_WITH_AES_128_CBC_SHA (0x2f)		WEAK	128
TLS_RSA_WITH_CAMELLIA_128_CBC_SHA (0x41)		WEAK	128
TLS_DHE_RSA_WITH_SEED_CBC_SHA (0x9a)	DH 2048 bits FS	WEAK	128
TLS_RSA_WITH_SEED_CBC_SHA (0x96)		WEAK	128
TLS_RSA_WITH_IDEA_CBC_SHA (0x7)		WEAK	128

Handshake Simulation

Android 2.3.7 No SNI [2]	Incorrect certificate because this client doesn't support SNI RSA 2048 (SHA256) | TLS 1.0 | TLS_DHE_RSA_WITH_AES_128_CBC_SHA | DH 2048			
Android 4.0.4	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Android 4.1.1	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Android 4.2.2	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Android 4.3	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Android 4.4.2	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Android 5.0.0	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Android 6.0	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Android 7.0	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Android 8.0	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Android 8.1	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Android 9.0	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Baidu Jan 2015	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
BingPreview Jan 2015	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Chrome 49 / XP SP3	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256	ECDH secp256r1 FS
Chrome 69 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Chrome 70 / Win 10	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Chrome 80 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Chrome 131 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS

Handshake Simulation

Firefox 31.3.0 ESR / Win 7	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Firefox 47 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256	ECDH secp256r1 FS
Firefox 49 / XP SP3	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Firefox 62 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Firefox 73 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Firefox 135 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Googlebot Feb 2018	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
IE 7 / Vista	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
IE 8 / XP No FS [1] No SNI [2]	Server sent fatal alert: handshake_failure			
IE 8-10 / Win 7 R	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
IE 11 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2	TLS_DHE_RSA_WITH_AES_256_GCM_SHA384	DH 2048 FS
IE 11 / Win 8.1 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_DHE_RSA_WITH_AES_256_GCM_SHA384	DH 2048 FS
IE 10 / Win Phone 8.0	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
IE 11 / Win Phone 8.1 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256	ECDH secp256r1 FS
IE 11 / Win Phone 8.1 Update R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_DHE_RSA_WITH_AES_256_GCM_SHA384	DH 2048 FS
IE 11 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Edge 15 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Edge 16 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Edge 18 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Edge 131 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Edge 13 / Win Phone 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Java 6u45 No SNI [2]	Client does not support DH parameters > 1024 bits RSA 2048 (SHA256) | TLS 1.0 | TLS_DHE_RSA_WITH_AES_128_CBC_SHA | DH 2048			
Java 7u25	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1 FS
Java 8u161	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Java 11.0.3	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Java 12.0.1	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
OpenSSL 0.9.8y	RSA 2048 (SHA384)	TLS 1.0	TLS_DHE_RSA_WITH_AES_256_CBC_SHA	DH 2048 FS
OpenSSL 1.0.1l R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
OpenSSL 1.0.2s R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
OpenSSL 1.1.0k R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
OpenSSL 1.1.1c R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Opera 117 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Safari 5.1.9 / OS X 10.6.8	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Safari 6 / iOS 6.0.1	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1 FS
Safari 6.0.4 / OS X 10.8.4 R	RSA 2048 (SHA384)	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Safari 7 / iOS 7.1 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1 FS
Safari 7 / OS X 10.9 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1 FS
Safari 8 / iOS 8.4 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1 FS
Safari 8 / OS X 10.10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1 FS
Safari 9 / iOS 9 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Safari 9 / OS X 10.11 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Safari 10 / iOS 10 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Safari 10 / OS X 10.12 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Safari 12.1.2 / MacOS 10.14.6 Beta R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Safari 12.1.1 / iOS 12.3.1 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH x25519 FS
Apple ATS 9 / iOS 9 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Yahoo Slurp Jan 2015	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
YandexBot Jan 2015	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS

 # Not simulated clients (Protocol mismatch)

Handshake Simulation

IE 6 / XP	No FS [1] No SNI [2]	Protocol mismatch (not simulated)

(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 sometimes 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).

(All) Certificate trust is not checked in handshake simulation, we only perform TLS handshake.

Protocol Details

Secure Renegotiation	**Supported**
Secure Client-Initiated Renegotiation	No
Insecure Client-Initiated Renegotiation	No
BEAST attack	Not mitigated server-side (more info) TLS 1.0: `0xc014`
POODLE (SSLv3)	No, SSL 3 not supported (more info)
POODLE (TLS)	No (more info)
Zombie POODLE	No (more info) TLS 1.2 : `0xc027`
GOLDENDOODLE	No (more info) TLS 1.2 : `0xc027`
OpenSSL 0-Length	No (more info) TLS 1.2 : `0xc027`
Sleeping POODLE	No (more info) TLS 1.2 : `0xc027`
Downgrade attack prevention	**Yes, TLS_FALLBACK_SCSV supported** (more info)
SSL/TLS compression	No
RC4	No
Heartbeat (extension)	No
Heartbleed (vulnerability)	No (more info)
Ticketbleed (vulnerability)	No (more info)
OpenSSL CCS vuln. (CVE-2014-0224)	No (more info)
OpenSSL Padding Oracle vuln. (CVE-2016-2107)	No (more info)
ROBOT (vulnerability)	No (more info)
Forward Secrecy	**Yes (with most browsers) ROBUST** (more info)
ALPN	Yes http/1.1
NPN	No
Session resumption (caching)	**No (IDs empty)**
Session resumption (tickets)	Yes
OCSP stapling	No
Strict Transport Security (HSTS)	No
HSTS Preloading	**Not in: Chrome Edge Firefox IE**
Public Key Pinning (HPKP)	No (more info)
Public Key Pinning Report-Only	No
Public Key Pinning (Static)	No (more info)
Long handshake intolerance	No
TLS extension intolerance	No
TLS version intolerance	No
Incorrect SNI alerts	No
Uses common DH primes	No
DH public server param (Ys) reuse	No
ECDH public server param reuse	No
Supported Named Groups	x25519, secp256r1, secp384r1, secp521r1, brainpoolP256r1, brainpoolP384r1, brainpoolP512r1 (server preferred order)
PQC Key Exchange	Not Supported
Supported PQC Groups	-
SSL 2 handshake compatibility	Yes

HTTP Requests

1 **https://www.trade.go.ke/** (HTTP/1.1 200 OK)

Miscellaneous

Test date	Mon, 26 Oct 2026 06:34:15 UTC
Test duration	255.886 seconds
HTTP status code	200
HTTP server signature	Apache
Server hostname	-

SSL Report v2.4.3

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