SSL Report: eform.vd.ch (145.232.250.202)

Assessed on: Tue, 21 Mar 2017 08:13:49 UTC | Hide | Clear cache

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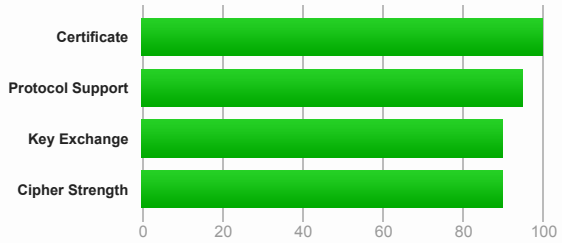
Summary

Overall Rating

A-



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

The server does not support Forward Secrecy with the reference browsers. Grade reduced to A-. MORE INFO »

Certificate #1: RSA 2048 bits (SHA256withRSA)

Server Key and Certificate #1

Subject	*.vd.ch Fingerprint SHA1: 65023c44f3d08c7bb49b2750c99654c804c4d1ac Pin SHA256: c1za8b18QvZ1RJxJ2lC/RgzqC1IruSlnfY7fdiLGEP4=
Common names	*.vd.ch
Alternative names	*.vd.ch vd.ch
Valid from	Wed, 02 Dec 2015 00:00:00 UTC
Valid until	Fri, 01 Dec 2017 23:59:59 UTC (expires in 8 months and 10 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	thawte SSL CA - G2 AIA: http://tj.symcb.com/tj.crt
Signature algorithm	SHA256withRSA
Extended Validation	No
Certificate Transparency	No
OCSP Must Staple	No
Revocation information	CRL, OCSP CRL: http://tj.symcb.com/tj.crl OCSP: http://tj.symcd.com
Revocation status	Good (not revoked)
DNS CAA	No
Trusted	Yes

Additional Certificates (if supplied)

Certificates provided	3 (3493 bytes)
Chain issues	Contains anchor

#2

Subject	thawte SSL CA - G2 Fingerprint SHA1: 2ea71c367d178c843fd21db4fdb630ba54a20dc5 Pin SHA256: aR6DUqN8qK4HQGhBpcDLVnkRAvOHH1behpQUU1Xl7fE=
Valid until	Mon, 30 Oct 2023 23:59:59 UTC (expires in 6 years and 7 months)
Key	RSA 2048 bits (e 65537)
Issuer	thawte Primary Root CA

Additional Certificates (if supplied)

Signature algorithm	SHA256withRSA

#3

Subject	thawte Primary Root CA In trust store Fingerprint SHA1: 91c6d6ee3e8ac86384e548c299295c756c817b81 Pin SHA256: HXXQgxueCIU5TTLHob/bPbwcKOKw6DkfsTWYHbxbqTY=
Valid until	Wed, 16 Jul 2036 23:59:59 UTC (expires in 19 years and 3 months)
Key	RSA 2048 bits (e 65537)
Issuer	thawte Primary Root CA Self-signed
Signature algorithm	SHA1withRSA Weak, but no impact on root certificate

Certification Paths

Click here to expand

Configuration

Protocols

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

Cipher Suites

TLS 1.2 (suites in server-preferred order)

TLS_RSA_WITH_AES_128_CBC_SHA256 (0x3c)	128
TLS_RSA_WITH_AES_256_CBC_SHA (0x35)	256
TLS_RSA_WITH_AES_128_CBC_SHA (0x2f)	128
TLS_RSA_WITH_3DES_EDE_CBC_SHA (0xa)	112

TLS 1.1 (suites in server-preferred order)

TLS 1.0 (suites in server-preferred order)

Handshake Simulation

Android 2.3.7 No SNI [2]	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA No FS
Android 4.0.4	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Android 4.1.1	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Android 4.2.2	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Android 4.3	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Android 4.4.2	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Android 5.0.0	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Android 6.0	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Android 7.0	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Baidu Jan 2015	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
BingPreview Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Chrome 49 / XP SP3	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Chrome 51 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Firefox 31.3.0 ESR / Win 7	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Firefox 47 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Firefox 49 / XP SP3	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Firefox 49 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Googlebot Feb 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
IE 6 / XP No FS [1] No SNI [2]	Server sent fatal alert: protocol_version		

Handshake Simulation

IE 7 / Vista	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
IE 8 / XP No FS [1] No SNI [2]	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_3DES_EDE_CBC_SHA
IE 8-10 / Win 7 R	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
IE 11 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
IE 11 / Win 8.1 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
IE 10 / Win Phone 8.0	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
IE 11 / Win Phone 8.1 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
IE 11 / Win Phone 8.1 Update R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
IE 11 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Edge 13 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Edge 13 / Win Phone 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Java 6u45 No SNI [2]	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA No FS
Java 7u25	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA No FS
Java 8u31	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
OpenSSL 0.9.8y	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
OpenSSL 1.0.1l R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
OpenSSL 1.0.2e R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Safari 5.1.9 / OS X 10.6.8	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Safari 6 / iOS 6.0.1	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Safari 6.0.4 / OS X 10.8.4 R	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
Safari 7 / iOS 7.1 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Safari 7 / OS X 10.9 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Safari 8 / iOS 8.4 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Safari 8 / OS X 10.10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Safari 9 / iOS 9 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Safari 9 / OS X 10.11 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Safari 10 / iOS 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Safari 10 / OS X 10.12 R	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
Apple ATS 9 / iOS 9 R	Server sent fatal alert: handshake_failure		
Yahoo Slurp Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
YandexBot Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS

(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).

Protocol Details

DROWN

IP Address	Port	Export	Special	Status
145.232.250.25	443	No	No	handshake_failure
145.232.250.26	443	No	No	handshake_failure

(1) **For a better understanding of this test, please read this longer explanation**
(2) Key usage data kindly provided by the Censys network search engine; original DROWN test here
(3) Censys data is only indicative of possible key and certificate reuse; possibly out-of-date and incomplete
(4) We perform real-time key reuse checks, but stop checking after first confirmed vulnerability
(5) The "Special" column indicates vulnerable OpenSSL version; "Export" refers to export cipher suites

Secure Renegotiation	**Supported**
Secure Client-Initiated Renegotiation	No
Insecure Client-Initiated Renegotiation	No
BEAST attack	Not mitigated server-side (more info) TLS 1.0: 0x35
POODLE (SSLv3)	No, SSL 3 not supported (more info)
POODLE (TLS)	No (more info)
Downgrade attack prevention	No, TLS_FALLBACK_SCSV not supported (more info)
SSL/TLS compression	No
RC4	No
Heartbeat (extension)	No
Heartbleed (vulnerability)	No (more info)
OpenSSL CCS vuln. (CVE-2014-0224)	No (more info)
OpenSSL Padding Oracle vuln. (CVE-2016-2107)	No (more info)

Protocol Details

Forward Secrecy	**No WEAK** (more info)
ALPN	No
NPN	No
Session resumption (caching)	Yes
Session resumption (tickets)	No
OCSP stapling	No
Strict Transport Security (HSTS)	No
HSTS Preloading	Not in: Chrome Edge Firefox IE
Public Key Pinning (HPKP)	No
Public Key Pinning Report-Only	No
Long handshake intolerance	No
TLS extension intolerance	No
TLS version intolerance	**TLS 1.3** TLS 1.152 TLS 2.152
Incorrect SNI alerts	No
Uses common DH primes	No, DHE suites not supported
DH public server param (Ys) reuse	No, DHE suites not supported
ECDH public server param reuse	No, ECDHE suites not supported
Supported EC Named Curves	-
SSL 2 handshake compatibility	Yes

HTTP Requests

1 **https://eform.vd.ch/** (HTTP/1.1 403 Forbidden)

Miscellaneous

Test date	Tue, 21 Mar 2017 08:12:33 UTC
Test duration	76.34 seconds
HTTP status code	403
HTTP server signature	Apache
Server hostname	-

SSL Report v1.27.3