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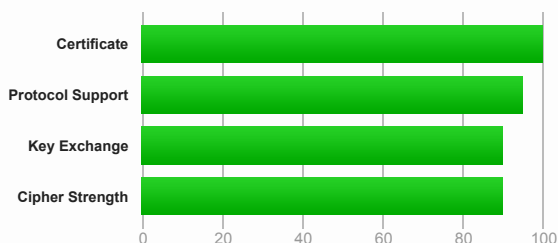
## SSL Report: eform.vd.ch (145.232.250.202)

Assessed on: Tue, 21 Mar 2017 08:13:49 UTC | [Hide](#) | [Clear cache](#)

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### Summary

Overall Rating



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



<b>Subject</b>	*.vd.ch Fingerprint SHA1: 65023c44f3d08c7bb49b2750c99654c804c4d1ac Pin SHA256: c1za8b18QvZ1RjXJ2IC/RgzqC1IruSlnfY7fdiLGEp4=
<b>Common names</b>	*.vd.ch
<b>Alternative names</b>	*.vd.ch vd.ch
<b>Valid from</b>	Wed, 02 Dec 2015 00:00:00 UTC
<b>Valid until</b>	Fri, 01 Dec 2017 23:59:59 UTC (expires in 8 months and 10 days)
<b>Key</b>	RSA 2048 bits (e 65537)
<b>Weak key (Debian)</b>	No
<b>Issuer</b>	thawte SSL CA - G2 AIA: http://tj.symcb.com/tj.crt
<b>Signature algorithm</b>	SHA256withRSA
<b>Extended Validation</b>	No
<b>Certificate Transparency</b>	No
<b>OCSP Must Staple</b>	No
<b>Revocation information</b>	CRL, OCSP CRL: http://tj.symcb.com/tj.crl OCSP: http://tj.symcd.com
<b>Revocation status</b>	Good (not revoked)
<b>DNS CAA</b>	No
<b>Trusted</b>	Yes



#### Additional Certificates (if supplied)



<b>Certificates provided</b>	3 (3493 bytes)
<b>Chain issues</b>	Contains anchor
<b>#2</b>	
<b>Subject</b>	thawte SSL CA - G2 Fingerprint SHA1: 2ea71c367d178c843fd21db4fdb630ba54a20dc5 Pin SHA256: aR6DUqN8qK4HQGHbpcDLVnkRAvOH11behpQUU1XI7IE=
<b>Valid until</b>	Mon, 30 Oct 2023 23:59:59 UTC (expires in 6 years and 7 months)
<b>Key</b>	RSA 2048 bits (e 65537)
<b>Issuer</b>	thawte Primary Root CA

### Additional Certificates (if supplied)



Signature algorithm	SHA256withRSA
<b>#3</b>	
Subject	thawte Primary Root CA <span style="color: green;">In trust store</span> Fingerprint SHA1: 91c6d6ee3e8ac86384e548c299295c756c817b81 Pin SHA256: HXXQgxueCIU5TTLHob/bPbwcKOKw6DkfsTWYHxbqTY=
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

<b># TLS 1.2 (suites in server-preferred order)</b>		-
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
<b># TLS 1.1 (suites in server-preferred order)</b>		+
<b># TLS 1.0 (suites in server-preferred order)</b>		+



### Handshake Simulation

<a href="#">Android 2.3.7</a> <span style="color: red;">No SNI<sup>2</sup></span>	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA No FS
<a href="#">Android 4.0.4</a>	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Android 4.1.1</a>	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Android 4.2.2</a>	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Android 4.3</a>	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Android 4.4.2</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
<a href="#">Android 5.0.0</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Android 6.0</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Android 7.0</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Baidu Jan 2015</a>	RSA 2048 (SHA256)	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">BingPreview Jan 2015</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_128_CBC_SHA256 No FS
<a href="#">Chrome 49 / XP SP3</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Chrome 51 / Win 7</a> <span style="color: green;">R</span>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Firefox 31.3.0 ESR / Win 7</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Firefox 47 / Win 7</a> <span style="color: green;">R</span>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Firefox 49 / XP SP3</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Firefox 49 / Win 7</a> <span style="color: green;">R</span>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">Googlebot Feb 2015</a>	RSA 2048 (SHA256)	TLS 1.2	TLS_RSA_WITH_AES_256_CBC_SHA No FS
<a href="#">IE 6 / XP</a> <span style="color: red;">No FS<sup>1</sup> No SNI<sup>2</sup></span>			Server sent fatal alert: protocol_version

## Handshake Simulation

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

	IP Address	Port	Export	Special	Status
	<a href="#">145.232.250.25</a>	443	No	No	handshake_failure
	<a href="#">145.232.250.26</a>	443	No	No	handshake_failure
<b>DROWN</b>	(1) For a better understanding of this test, please read <a href="#">this longer explanation</a> (2) Key usage data kindly provided by the <a href="#">Censys</a> network search engine; original DROWN test <a href="#">here</a> (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				
<b>Secure Renegotiation</b>	<b>Supported</b>				
Secure Client-Initiated Renegotiation	No				
Insecure Client-Initiated Renegotiation	No				
BEAST attack	Not mitigated server-side ( <a href="#">more info</a> ) TLS 1.0: 0x35				
POODLE (SSLv3)	No, SSL 3 not supported ( <a href="#">more info</a> )				
POODLE (TLS)	No ( <a href="#">more info</a> )				
Downgrade attack prevention	No, TLS_FALLBACK_SCSV not supported ( <a href="#">more info</a> )				
SSL/TLS compression	No				
RC4	No				
Heartbeat (extension)	No				
Heartbleed (vulnerability)	No ( <a href="#">more info</a> )				
OpenSSL CCS vuln. (CVE-2014-0224)	No ( <a href="#">more info</a> )				
OpenSSL Padding Oracle vuln. (CVE-2016-2107)	No ( <a href="#">more info</a> )				

## Protocol Details

<b>Forward Secrecy</b>	No <b>WEAK</b> ( <a href="#">more info</a> )
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	<b>TLS 1.3</b> 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	-