QUALYS® SSL LABS

SSL Report: arthur.dent42.com (104.236.56.76)

Assessed on: Tue, 02 Feb 2016 19:57:28 UTC | **HIDDEN** | 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 »

This server supports TLS_FALLBACK_SCSV to prevent protocol downgrade attacks.

Authentication

Server Key and Certificate #1

Subject	arthur.dent42.com Fingerprint SHA1: 14fdac8bb9ed7fb6fde5623577f23482711f6520 Pin SHA256: we3POHSFryPLmcImx+PLMQMwIhW0UIuUoE7rTmfb804=
Common names	arthur.dent42.com
Alternative names	arthur.dent42.com chaturbate.dent42.com
Prefix handling	Not required for subdomains
Valid from	Tue, 22 Dec 2015 20:26:00 UTC
Valid until	Mon, 21 Mar 2016 20:26:00 UTC (expires in 1 month and 19 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	Let's Encrypt Authority X1
Signature algorithm	SHA256withRSA
Extended Validation	No
Certificate Transparency	No
Revocation information	OCSP
Trusted	Yes

Additional Certificates (if supplied)

Certificates provided	2 (2509 bytes)
Chain issues	None

#2

Subject	Let's Encrypt Authority X1 Fingerprint SHA1: 3eae91937ec85d74483ff4b77b07b43e2af36bf4 Pin SHA256: YLh1dUR9y6Kja30RrAn7JKnbQG/uEtLMkBgFF2Fuihg=
Valid until	Mon, 19 Oct 2020 22:33:36 UTC (expires in 4 years and 8 months)
Key	RSA 2048 bits (e 65537)
Issuer	DST Root CA X3
Signature algorithm	SHA256withRSA

Certification Paths

Path #1: Trusted

1	Sent by server	arthur.dent42.com Fingerprint SHA1: 14fdac8bb9ed7fb6fde5623577f23482711f6520 Pin SHA256: we3POHSFryPLmcImx+PLMQMwIhW0UIuUoE7rTmfb804= RSA 2048 bits (e 65537) / SHA256withRSA
2	Sent by server	Let's Encrypt Authority X1 Fingerprint SHA1: 3eae91937ec85d74483ff4b77b07b43e2af36bf4 Pin SHA256: YLh1dUR9y6Kja30RrAn7JKnbQG/uEtLMkBgFF2Fuihg= RSA 2048 bits (e 65537) / SHA256withRSA
3	In trust store	DST Root CA X3 Self-signed Fingerprint SHA1: dac9024f54d8f6df94935fb1732638ca6ad77c13 Pin SHA256: Vjs8r4z+80wjNcr1YKepWQboSIRi63WsWXhIMN+eWys= RSA 2048 bits (e 65537) / SHA1withRSA Weak or insecure signature, but no impact on root certificate

Configuration

Protocols

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

Cipher Suites (sorted by strength as the server has no preference; deprecated and SSL 2 suites at the end)

TLS_RSA_WITH_3DES_EDE_CBC_SHA (0xa)	112
TLS_ECDHE_RSA_WITH_3DES_EDE_CBC_SHA (0xc012) ECDH secp256r1 (eq. 3072 bits RSA) FS	112
TLS_RSA_WITH_AES_128_CBC_SHA (0x2f)	128
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) ECDH secp256r1 (eq. 3072 bits RSA) FS	128
TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) ECDH secp256r1 (eq. 3072 bits RSA) FS	128
TLS_RSA_WITH_AES_256_CBC_SHA (0x35)	256
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014) ECDH secp256r1 (eq. 3072 bits RSA) FS	256
TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) ECDH secp256r1 (eq. 3072 bits RSA) FS	256

Handshake Simulation

Android 2.3.7 No SNI [2]	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA No FS	
Android 4.0.4	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Android 4.1.1	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Android 4.2.2	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Android 4.3	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Android 4.4.2	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Android 5.0.0	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Baidu Jan 2015	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
BingPreview Jan 2015	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Chrome 47 / OS X R	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Firefox 31.3.0 ESR / Win 7	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Firefox 42 / OS X R	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Googlebot Feb 2015	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
IE 6 / XP No FS [1] No SNI [2]	Protocol or cipher suite mismatch		
IE 7 / Vista	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA No FS	
IE 8 / XP No FS [1] No SNI [2]	TLS 1.0	TLS_RSA_WITH_3DES_EDE_CBC_SHA	
IE 8-10 / Win 7 R	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
IE 11 / Win 7 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
IE 11 / Win 8.1 R	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
IE 10 / Win Phone 8.0	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA No FS	
IE 11 / Win Phone 8.1 R	TLS 1.2 > http/1.1	TLS_RSA_WITH_AES_128_CBC_SHA No FS	
IE 11 / Win Phone 8.1 Update R	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
IE 11 / Win 10 R	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Edge 13 / Win 10 R	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Edge 13 / Win Phone 10 R	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Java 6u45 No SNI [2]	Protocol or cipher suite mismatch		
Java 7u25	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1 FS
Java 8u31	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1 FS
OpenSSL 0.9.8y	TLS 1.0	TLS_RSA_WITH_AES_256_CBC_SHA No FS	
OpenSSL 1.0.1l R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
OpenSSL 1.0.2 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Safari 5.1.9 / OS X 10.6.8	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1 FS
Safari 6 / iOS 6.0.1 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Safari 6.0.4 / OS X 10.8.4 R	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Safari 7 / iOS 7.1 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Safari 7 / OS X 10.9 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Safari 8 / iOS 8.4 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Safari 8 / OS X 10.10 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1 FS
Safari 9 / iOS 9 R	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Safari 9 / OS X 10.11 R	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Apple ATS 9 / iOS 9 R	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
Yahoo Slurp Jan 2015	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 FS
YandexBot Jan 2015	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1 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

Secure Renegotiation	**Supported**
Secure Client-Initiated Renegotiation	No
Insecure Client-Initiated Renegotiation	No
BEAST attack	Not mitigated server-side (more info) TLS 1.0: 0xa
POODLE (SSLv3)	No, SSL 3 not supported (more info)
POODLE (TLS)	No (more info)
Downgrade attack prevention	**Yes, TLS_FALLBACK_SCSV 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)
Forward Secrecy	**With some browsers** (more info)
Application-Layer Protocol Negotiation (ALPN)	Yes
Next Protocol Negotiation (NPN)	Yes http/1.1
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 Tor** arthur.dent42.com
Public Key Pinning (HPKP)	No
Public Key Pinning Report-Only	No
Long handshake intolerance	No
TLS extension intolerance	No
TLS version intolerance	No
Incorrect SNI alerts	No
Uses common DH primes	No, DHE suites not supported
DH public server param (Ys) reuse	No, DHE suites not supported
SSL 2 handshake compatibility	No

Miscellaneous

Test date	Tue, 02 Feb 2016 19:56:03 UTC
Test duration	85.466 seconds
HTTP status code	200
HTTP server signature	-
Server hostname	-

SSL Report v1.21.13