SSL Report: sliceofbread.epizy.com (185.27.134.222)

Assessed on: Fri, 20 May 2022 00:38:43 UTC | Hide | Clear cache

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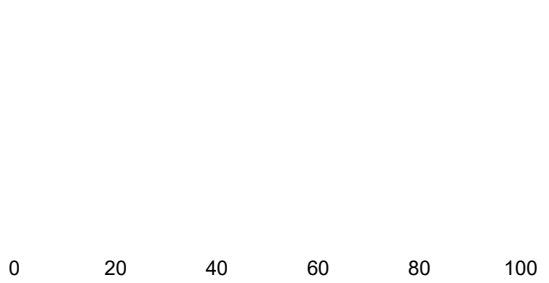
Summary

Overall Rating

B



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

This server's certificate chain is incomplete. Grade capped to B.

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

This site works only in browsers with SNI support.

This server supports TLS 1.3.

Certificate #1: RSA 2048 bits (SHA384withRSA)

Server Key and Certificate #1

Subject	sliceofbread.epizy.com Fingerprint SHA256: 321aeb939a9488043947be1619d701369fa16896db72895d274d48892cd782ca Pin SHA256: 3VLXlxDKBcxpi3mvZzDE6xtnviGEkpb3sqUi60OVMjw=
Common names	sliceofbread.epizy.com
Alternative names	sliceofbread.epizy.com *.sliceofbread.epizy.com
Serial Number	009da638f1926b4a16f791360e05039b27
Valid from	Thu, 19 May 2022 00:00:00 UTC
Valid until	Wed, 17 Aug 2022 23:59:59 UTC (expires in 2 months and 28 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	ZeroSSL RSA Domain Secure Site CA AIA: http://zerossl.crt.sectigo.com/ZeroSSLRSADomainSecureSiteCA.crt
Signature algorithm	SHA384withRSA
Extended Validation	No
Certificate Transparency	**Yes (certificate)**
OCSP Must Staple	No
Revocation information	OCSP OCSP: http://zerossl.ocsp.sectigo.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	**Yes** **Mozilla Apple Android Java Windows**

Additional Certificates (if supplied)

Certificates provided	1 (1689 bytes)
Chain issues	**Incomplete**

Certification Paths

Click here to expand

Configuration

Protocols

TLS 1.3	Yes
TLS 1.2	Yes
TLS 1.1	Yes
TLS 1.0	No
SSL 3	No
SSL 2	No

Cipher Suites

TLS 1.3 (suites in server-preferred order)

TLS_AES_256_GCM_SHA384 (0x1302)	ECDH x25519 (eq. 3072 bits RSA) FS	256
TLS_CHACHA20_POLY1305_SHA256 (0x1303)	ECDH x25519 (eq. 3072 bits RSA) FS	256
TLS_AES_128_GCM_SHA256 (0x1301)	ECDH x25519 (eq. 3072 bits RSA) FS	128

TLS 1.2 (suites in server-preferred order)

TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)	ECDH x25519 (eq. 3072 bits RSA) FS	128
TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)	ECDH x25519 (eq. 3072 bits RSA) FS	256
TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x9e)	DH 2048 bits FS	128
TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x9f)	DH 2048 bits FS	256
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027)	ECDH x25519 (eq. 3072 bits RSA) FS **WEAK**	128
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)	ECDH x25519 (eq. 3072 bits RSA) FS **WEAK**	128
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028)	ECDH x25519 (eq. 3072 bits RSA) FS **WEAK**	256
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)	ECDH x25519 (eq. 3072 bits RSA) FS **WEAK**	256
TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0x67)	DH 2048 bits FS **WEAK**	128
TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0x33)	DH 2048 bits FS **WEAK**	128
TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0x6b)	DH 2048 bits FS **WEAK**	256
TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0x39)	DH 2048 bits FS **WEAK**	256

Cipher Suites

TLS_RSA_WITH_AES_128_GCM_SHA256 (0x9c) **WEAK**		128
TLS_RSA_WITH_AES_256_GCM_SHA384 (0x9d) **WEAK**		256
TLS_RSA_WITH_AES_128_CBC_SHA256 (0x3c) **WEAK**		128
TLS_RSA_WITH_AES_256_CBC_SHA256 (0x3d) **WEAK**		256
TLS_RSA_WITH_AES_128_CBC_SHA (0x2f) **WEAK**		128
TLS_RSA_WITH_AES_256_CBC_SHA (0x35) **WEAK**		256
TLS_DHE_RSA_WITH_AES_256_CCM_8 (0xc0a3)	DH 2048 bits FS	256
TLS_DHE_RSA_WITH_AES_256_CCM (0xc09f)	DH 2048 bits FS	256
TLS_DHE_RSA_WITH_AES_128_CCM_8 (0xc0a2)	DH 2048 bits FS	128
TLS_DHE_RSA_WITH_AES_128_CCM (0xc09e)	DH 2048 bits FS	128
TLS_RSA_WITH_AES_256_CCM_8 (0xc0a1) **WEAK**		256
TLS_RSA_WITH_AES_256_CCM (0xc09d) **WEAK**		256
TLS_RSA_WITH_AES_128_CCM_8 (0xc0a0) **WEAK**		128
TLS_RSA_WITH_AES_128_CCM (0xc09c) **WEAK**		128
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_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_DHE_RSA_WITH_CAMELLIA_256_CBC_SHA (0x88)	DH 2048 bits FS **WEAK**	256
TLS_DHE_RSA_WITH_CAMELLIA_128_CBC_SHA (0x45)	DH 2048 bits FS **WEAK**	128
TLS_RSA_WITH_CAMELLIA_256_CBC_SHA256 (0xc0) **WEAK**		256
TLS_RSA_WITH_CAMELLIA_128_CBC_SHA256 (0xba) **WEAK**		128
TLS_RSA_WITH_CAMELLIA_256_CBC_SHA (0x84) **WEAK**		256
TLS_RSA_WITH_CAMELLIA_128_CBC_SHA (0x41) **WEAK**		128

 # TLS 1.1 (suites in server-preferred order)

Handshake Simulation

Android 4.4.2	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Android 5.0.0	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS

Handshake Simulation

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 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519	FS	
Android 8.0	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519	FS	
Android 8.1	-	TLS 1.3	TLS_AES_256_GCM_SHA384	ECDH x25519	FS	
Android 9.0	-	TLS 1.3	TLS_AES_256_GCM_SHA384	ECDH x25519	FS	
BingPreview Jan 2015	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS	
Chrome 49 / XP SP3	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS	
Chrome 69 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519	FS	
Chrome 70 / Win 10	-	TLS 1.3	TLS_AES_256_GCM_SHA384	ECDH x25519	FS	
Chrome 80 / Win 10 R	-	TLS 1.3	TLS_AES_256_GCM_SHA384	ECDH x25519	FS	
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 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS	
Firefox 49 / XP SP3	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS	
Firefox 62 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519	FS	
Firefox 73 / Win 10 R	-	TLS 1.3	TLS_AES_256_GCM_SHA384	ECDH x25519	FS	
Googlebot Feb 2018	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519	FS	
IE 11 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2	TLS_DHE_RSA_WITH_AES_128_GCM_SHA256	DH 2048	FS	
IE 11 / Win 8.1 R	RSA 2048 (SHA384)	TLS 1.2 > http/1.1	TLS_DHE_RSA_WITH_AES_128_GCM_SHA256	DH 2048	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_128_GCM_SHA256	DH 2048	FS	
IE 11 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS	
Edge 15 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519	FS	
Edge 16 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519	FS	
Edge 18 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519	FS	
Edge 13 / Win Phone 10 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS	
Java 8u161	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS	
Java 11.0.3	-	TLS 1.3	TLS_AES_256_GCM_SHA384	ECDH secp256r1	FS	
Java 12.0.1	-	TLS 1.3	TLS_AES_256_GCM_SHA384	ECDH secp256r1	FS	
OpenSSL 1.0.1l R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS	
OpenSSL 1.0.2s R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS	

Handshake Simulation

OpenSSL 1.1.0k R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH x25519 FS
OpenSSL 1.1.1c R	-	TLS 1.3	TLS_AES_256_GCM_SHA384 ECDH x25519 FS
Safari 6 / iOS 6.0.1	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
Safari 7 / iOS 7.1 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
Safari 7 / OS X 10.9 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
Safari 8 / iOS 8.4 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
Safari 8 / OS X 10.10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 ECDH secp256r1 FS
Safari 9 / iOS 9 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Safari 9 / OS X 10.11 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Safari 10 / iOS 10 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Safari 10 / OS X 10.12 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Safari 12.1.2 / MacOS 10.14.6 Beta R	-	TLS 1.3	TLS_AES_256_GCM_SHA384 ECDH x25519 FS
Safari 12.1.1 / iOS 12.3.1 R	-	TLS 1.3	TLS_AES_256_GCM_SHA384 ECDH x25519 FS
Apple ATS 9 / iOS 9 R	RSA 2048 (SHA384)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Yahoo Slurp Jan 2015	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
YandexBot Jan 2015	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS

 # Not simulated clients (Protocol mismatch)

Click here to expand

(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

DROWN

Unable to perform this test due to an internal error.

(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 website here

(3) Censys data is only indicative of possible key and certificate reuse; possibly out-of-date and not complete

Protocol Details

	INTERNAL ERROR: Connection refused (Connection refused) **INTERNAL ERROR: Connection refused (Connection refused)**
Secure Renegotiation	**Supported**
Secure Client-Initiated Renegotiation	No
Insecure Client-Initiated Renegotiation	No
BEAST attack	Mitigated server-side (more info)
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 h2 http/1.1
NPN	Yes h2 http/1.1
Session resumption (caching)	Yes
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)

Protocol Details

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, x448, secp521r1, secp384r1 (server preferred order)
SSL 2 handshake compatibility	No
0-RTT enabled	No

HTTP Requests

1 **https://sliceofbread.epizy.com/** (HTTP/1.1 200 OK)

Miscellaneous

Test date	Fri, 20 May 2022 00:36:09 UTC
Test duration	154.179 seconds
HTTP status code	200
HTTP server signature	nginx
Server hostname	-

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