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SSL Report: demo.plugincast.com (178.33.249.99)

Assessed on: Wed, 03 Mar 2021 15:17:27 UTC | **HIDDEN** | [Clear cache](#)

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Summary

Overall Rating

A

Certificate

Protocol Support

Key Exchange

Cipher Strength

020406080100

Visit our [documentation page](#) for more information, configuration guides, and books. Known issues are documented [here](#).

Certificate #1: RSA 4096 bits (SHA256withRSA)



Server Key and Certificate #1

Subject	*.plugin cast .com Fingerprint SHA256: f3e9ec0a0a50f11744582dd3f912d5c59abd87d039f42a285a9460fb605c7f7d Pin SHA256: 8ikk4b+eCbUzvyLaBbdn7uycSop4GeOMqzBdj4pgcuY=
Common names	*.plugin cast .com
Alternative names	*.plugin cast .com plugin cast .com
Serial Number	01c81031a7b057a3c0bd46c9f9e6bece
Valid from	Thu, 04 Jun 2020 00:00:00 UTC
Valid until	Thu, 21 Jul 2022 12:00:00 UTC (expires in 1 year and 4 months)
Key	RSA 4096 bits (e 65537)
Weak key (Debian)	No
Issuer	GeoTrust RSA CA 2018 AIA: http://cacerts.geotrust.com/GeoTrustRSACA2018.crt
Signature algorithm	SHA256withRSA
Extended Validation	No
Certificate Transparency	Yes (certificate)
OCSP Must Staple	No
Revocation information	CRL, OCSP CRL: http://cdp.geotrust.com/GeoTrustRSACA2018.crl OCSP: http://status.geotrust.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	Yes Mozilla Apple Android Java Windows



Additional Certificates (if supplied)

Certificates provided	2 (3017 bytes)
Chain issues	None
#2	
	GeoTrust RSA CA 2018
Subject	Fingerprint SHA256: 8cc34e11c167045824ade61c4907a6440edb2c4398e99c112a859d661f8e2bc7 Pin SHA256: zUlrARNo+4JoAYA7ROeWJArIloN4rIEbCpfCRQT6N6A=
Valid until	Sat, 06 Nov 2027 12:23:45 UTC (expires in 6 years and 8 months)

Additional Certificates (if supplied)

Key	RSA 2048 bits (e 65537)
Issuer	DigiCert Global Root CA
Signature algorithm	SHA256withRSA



Certification Paths



Click here to expand

Configuration



Protocols

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



Cipher Suites

# TLS 1.2 (suites in server-preferred order)				
TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)	ECDH secp256r1 (eq. 3072 bits RSA)	FS		128
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)	ECDH secp256r1 (eq. 3072 bits RSA)	FS	WEAK	128
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027)	ECDH secp256r1 (eq. 3072 bits RSA)	FS	WEAK	128
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)	ECDH secp384r1 (eq. 7680 bits RSA)	FS	WEAK	256
TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0xe09e)	DH 2048 bits	FS		128
TLS_DHE_RSA_WITH_AES_128_CBC_SHA (0xc033)	DH 2048 bits	FS	WEAK	128
TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (0xe067)	DH 2048 bits	FS	WEAK	128
TLS_DHE_RSA_WITH_AES_256_CBC_SHA (0xc039)	DH 2048 bits	FS	WEAK	256
TLS_DHE_RSA_WITH_AES_256_CBC_SHA256 (0xe06b)	DH 2048 bits	FS	WEAK	256
TLS_RSA_WITH_AES_128_GCM_SHA256 (0xc09c)			WEAK	128
TLS_RSA_WITH_AES_128_CBC_SHA (0xc02f)			WEAK	128
TLS_RSA_WITH_AES_128_CBC_SHA256 (0xc03c)			WEAK	128
TLS_RSA_WITH_AES_256_CBC_SHA (0xc035)			WEAK	256
TLS_RSA_WITH_AES_256_CBC_SHA256 (0xc03d)			WEAK	256



Handshake Simulation

Android 4.4.2	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 5.0.0	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 6.0	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 7.0	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 8.0	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 8.1	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 9.0	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
BingPreview Jan 2015	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Chrome 49 / XP SP3	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Chrome 69 / Win 7 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Chrome 70 / Win 10	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Chrome 80 / Win 10 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Firefox 31.3.0 ESR / Win 7	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Firefox 47 / Win 7 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Firefox 49 / XP SP3	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS

Handshake Simulation

Firefox 62 / Win 7 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Firefox 73 / Win 10 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Googlebot Feb 2018	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
IE 11 / Win 7 R	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
IE 11 / Win 8.1 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
IE 11 / Win Phone 8.1 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
IE 11 / Win Phone 8.1 Update R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
IE 11 / Win 10 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Edge 15 / Win 10 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Edge 16 / Win 10 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Edge 18 / Win 10 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Edge 13 / Win Phone 10 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Java 8u161	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Java 11.0.3	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Java 12.0.1	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
OpenSSL 1.0.1l R	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
OpenSSL 1.0.2s R	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
OpenSSL 1.1.0k R	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
OpenSSL 1.1.1c R	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 6 / iOS 6.0.1	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
Safari 7 / iOS 7.1 R	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
Safari 7 / OS X 10.9 R	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
Safari 8 / iOS 8.4 R	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
Safari 8 / OS X 10.10 R	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	ECDH secp256r1	FS
Safari 9 / iOS 9 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 9 / OS X 10.11 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 10 / iOS 10 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 10 / OS X 10.12 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 12.1.2 / MacOS 10.14.6 Beta R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 12.1.1 / iOS 12.3.1 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Apple ATS 9 / iOS 9 R	RSA 4096 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Yahoo Slurp Jan 2015	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
YandexBot Jan 2015	RSA 4096 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS

Not simulated clients (Protocol mismatch)



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- (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

	No, server keys and hostname not seen elsewhere with SSLv2	
DROWN	(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	
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 : 0xc013
GOLDENDOODLE	No (more info)	TLS 1.2 : 0xc013

Protocol Details		
OpenSSL 0-Length	No	(more info) TLS 1.2 : 0xc013
Sleeping POODLE	No	(more info) TLS 1.2 : 0xc013
Downgrade attack prevention	Unknown (requires support for at least two protocols, excl. SSL2)	
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)	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)
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	Yes	
Supported Named Groups	secp256r1, secp384r1, secp521r1 (server preferred order)	
SSL 2 handshake compatibility	Yes	



HTTP Requests		+
1	https://demo.plugincast.com/ (HTTP/1.1 200 Ok)	



Miscellaneous		
Test date	Wed, 03 Mar 2021 15:16:07 UTC	
Test duration	79.969 seconds	
HTTP status code	200	
HTTP server signature	Plugincast	
Server hostname	-	