SSL Report: api.ecs.cloudfeaster.com (104.154.96.52)

Assessed on: Tue, 15 Mar 2016 10:50:15 UTC | **HIDDEN** | Clear cache

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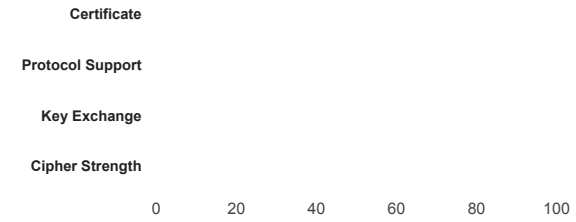
Summary

Overall Rating

A



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

This site works only in browsers with SNI support.

Authentication

Server Key and Certificate #1

Subject	api.ecs.cloudfeaster.com Fingerprint SHA1: d479b6080cf255403601e8d3f18b260e0b0eafdc Pin SHA256: azsQX2rNC49nMNrZq9hZUc5/OqFoP8TkJCEJ9uyaslw=
Common names	api.ecs.cloudfeaster.com
Alternative names	api.ecs.cloudfeaster.com www.api.ecs.cloudfeaster.com
Valid from	Sat, 05 Mar 2016 00:00:00 UTC
Valid until	Sun, 05 Mar 2017 23:59:59 UTC (expires in 11 months and 18 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	COMODO RSA Domain Validation Secure Server CA AIA: http://crt.comodoca.com/COMODORSADomainValidationSecureServerCA.crt
Signature algorithm	SHA256withRSA
Extended Validation	No
Certificate Transparency	No
Revocation information	CRL, OCSP CRL: http://crl.comodoca.com/COMODORSADomainValidationSecureServerCA.crl OCSP: http://ocsp.comodoca.com
Revocation status	Good (not revoked)
Trusted	**Yes**

Additional Certificates (if supplied)

Certificates provided	4 (5422 bytes)
Chain issues	**Contains anchor**

#2

Subject	COMODO RSA Domain Validation Secure Server CA Fingerprint SHA1: 339cdd57cfd5b141169b615ff31428782d1da639 Pin SHA256: klO23nT2ehFDXCfx3eHTDRESMz3asj1muO+4aldjiuY=

Valid until	Sun, 11 Feb 2029 23:59:59 UTC (expires in 12 years and 10 months)
Key	RSA 2048 bits (e 65537)
Issuer	COMODO RSA Certification Authority
Signature algorithm	SHA384withRSA

#3

Subject	COMODO RSA Certification Authority Fingerprint SHA1: f5ad0bcc1ad56cd150725b1c866c30ad92ef21b0 Pin SHA256: grX4Ta9HpZx6tSHkmCrvpApTQGo67CYDnvprLg5yRME=
Valid until	Sat, 30 May 2020 10:48:38 UTC (expires in 4 years and 2 months)
Key	RSA 4096 bits (e 65537)
Issuer	AddTrust External CA Root
Signature algorithm	SHA384withRSA

#4

Subject	AddTrust External CA Root In trust store Fingerprint SHA1: 02faf3e291435468607857694df5e45b68851868 Pin SHA256: ICppFqbkrlJ3EcVFAkeip0+44VaoJUymbnOaEUk7tEU=
Valid until	Sat, 30 May 2020 10:48:38 UTC (expires in 4 years and 2 months)
Key	RSA 2048 bits (e 65537)
Issuer	AddTrust External CA Root Self-signed
Signature algorithm	SHA1withRSA Weak, but no impact on root certificate

Certification Paths

Path #1: Trusted

1	Sent by server	api.ecs.cloudfeaster.com Fingerprint SHA1: d479b6080cf255403601e8d3f18b260e0b0eafdc Pin SHA256: azsQX2rNC49nMNrZq9hZUc5/OqFoP8TkJCEJ9uyasIw= RSA 2048 bits (e 65537) / SHA256withRSA
2	Sent by server	COMODO RSA Domain Validation Secure Server CA Fingerprint SHA1: 339cdd57cfd5b141169b615ff31428782d1da639 Pin SHA256: klO23nT2ehFDXCfx3eHTDRESMz3asj1muO+4aIdjiuY= RSA 2048 bits (e 65537) / SHA384withRSA
3	In trust store	COMODO RSA Certification Authority Self-signed Fingerprint SHA1: afe5d244a8d1194230ff479fe2f897bbcd7a8cb4 Pin SHA256: grX4Ta9HpZx6tSHkmCrvpApTQGo67CYDnvprLg5yRME= RSA 4096 bits (e 65537) / SHA384withRSA

Path #2: Trusted

1	Sent by server	api.ecs.cloudfeaster.com Fingerprint SHA1: d479b6080cf255403601e8d3f18b260e0b0eafdc Pin SHA256: azsQX2rNC49nMNrZq9hZUc5/OqFoP8TkJCEJ9uyasIw= RSA 2048 bits (e 65537) / SHA256withRSA
2	Sent by server	COMODO RSA Domain Validation Secure Server CA Fingerprint SHA1: 339cdd57cfd5b141169b615ff31428782d1da639 Pin SHA256: klO23nT2ehFDXCfx3eHTDRESMz3asj1muO+4aIdjiuY= RSA 2048 bits (e 65537) / SHA384withRSA
3	Sent by server	COMODO RSA Certification Authority Fingerprint SHA1: f5ad0bcc1ad56cd150725b1c866c30ad92ef21b0 Pin SHA256: grX4Ta9HpZx6tSHkmCrvpApTQGo67CYDnvprLg5yRME= RSA 4096 bits (e 65537) / SHA384withRSA
4	Sent by server In trust store	AddTrust External CA Root Self-signed Fingerprint SHA1: 02faf3e291435468607857694df5e45b68851868 Pin SHA256: ICppFqbkrlJ3EcVFAkeip0+44VaoJUymbnOaEUk7tEU= 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	No
TLS 1.0	No
SSL 3	No
SSL 2	No

Cipher Suites (SSL 3+ suites in server-preferred order; deprecated and SSL 2 suites at the end)

TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)	ECDH secp256r1 (eq. 3072 bits RSA) FS	256
TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)	ECDH secp256r1 (eq. 3072 bits RSA) FS	128
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028)	ECDH secp256r1 (eq. 3072 bits RSA) FS	256
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027)	ECDH secp256r1 (eq. 3072 bits RSA) FS	128

Handshake Simulation

Android 2.3.7 No SNI [2]	Server closed connection			
Android 4.0.4	Server closed connection			
Android 4.1.1	Server closed connection			
Android 4.2.2	Server closed connection			
Android 4.3	Server closed connection			
Android 4.4.2	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 ECDH secp256r1 FS	
Android 5.0.0	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS	
Baidu Jan 2015	Server closed connection			
BingPreview Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 ECDH secp256r1 FS	
Chrome 48 / OS X R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS	
Firefox 31.3.0 ESR / Win 7	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS	
Firefox 42 / OS X R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS	
Firefox 44 / OS X R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS	
Googlebot Feb 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS	
IE 6 / XP No FS [1] No SNI [2]	Server closed connection			
IE 7 / Vista	Server closed connection			
IE 8 / XP No FS [1] No SNI [2]	Server closed connection			
IE 8-10 / Win 7 R	Server closed connection			
IE 11 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 ECDH secp256r1 FS	
IE 11 / Win 8.1 R	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 ECDH secp256r1 FS	
IE 10 / Win Phone 8.0	Server closed connection			
IE 11 / Win Phone 8.1 R	RSA 2048 (SHA256)	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 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 ECDH secp256r1 FS	
IE 11 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 ECDH secp256r1 FS	
Edge 13 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 ECDH secp256r1 FS	
Edge 13 / Win Phone 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 ECDH secp256r1 FS	
Java 6u45 No SNI [2]	Server closed connection			
Java 7u25	Server closed connection			
Java 8u31	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS	
OpenSSL 0.9.8y	Server closed connection			
OpenSSL 1.0.1l R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 ECDH secp256r1 FS	
OpenSSL 1.0.2e R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 ECDH secp256r1 FS	
Safari 5.1.9 / OS X 10.6.8	Server closed connection			
Safari 6 / iOS 6.0.1 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 ECDH secp256r1 FS	
Safari 6.0.4 / OS X 10.8.4 R	Server closed connection			
Safari 7 / iOS 7.1 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 ECDH secp256r1 FS	
Safari 7 / OS X 10.9 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 ECDH secp256r1 FS	

Safari 8 / iOS 8.4 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 8 / OS X 10.10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 9 / iOS 9 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
Safari 9 / OS X 10.11 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
Apple ATS 9 / iOS 9 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
Yahoo Slurp Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
YandexBot Jan 2015	RSA 2048 (SHA256)	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

DROWN (experimental)	No, server keys and hostname not seen elsewhere with SSLv2 **(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 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)
Downgrade attack prevention	Unknown (requires support for at least two protocols, excl. SSL2)
SSL/TLS compression	No
RC4	No
Heartbeat (extension)	Yes
Heartbleed (vulnerability)	No (more info)
OpenSSL CCS vuln. (CVE-2014-0224)	No (more info)
Forward Secrecy	**Yes (with most browsers) ROBUST** (more info)
ALPN	No
NPN	Yes h2 http/1.1
Session resumption (caching)	Yes
Session resumption (tickets)	No
OCSP stapling	**Yes**
Strict Transport Security (HSTS)	No
HSTS Preloading	**Not in: Chrome Edge Firefox IE Tor**
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	Yes

Miscellaneous

Test date	Tue, 15 Mar 2016 10:49:28 UTC
Test duration	46.742 seconds
HTTP status code	401
HTTP server signature	nginx/1.9.12
Server hostname	52.96.154.104.bc.googleusercontent.com

SSL Report v1.22.37