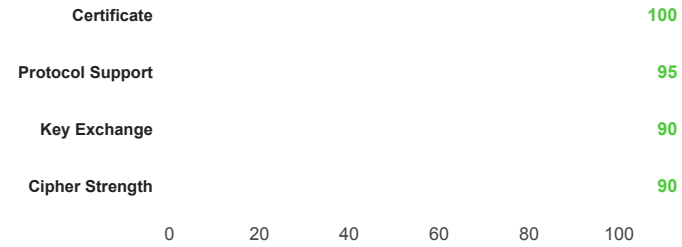
SSL Report: fdago-dev.conceptplusllc.net (54.86.64.47)

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_FALLBACK_SCSV to prevent protocol downgrade attacks.

Authentication

Server Key and Certificate #1

Common names	*.conceptplusllc.net
Alternative names	*.conceptplusllc.net conceptplusllc.net
Prefix handling	Not required for subdomains
Valid from	Wed, 06 May 2015 01:49:38 UTC
Valid until	Fri, 06 May 2016 01:49:38 UTC (expires in 9 months and 29 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	Go Daddy Secure Certificate Authority - G2
Signature algorithm	SHA256withRSA
Extended Validation	No
Certificate Transparency	No
Revocation information	CRL, OCSP
Revocation status	Good (not revoked)
Trusted	Yes

Additional Certificates (if supplied)

Certificates provided	1 (1339 bytes)
Chain issues	Incomplete

Certification Paths

Path #1: Trusted

1	Sent by server	*.conceptplusllc.net Fingerprint: 352cae4ab6b359eb2744d9bb7f0a797b99d564e2 RSA 2048 bits (e 65537) / SHA256withRSA
2	Extra download	Go Daddy Secure Certificate Authority - G2 Fingerprint: 27ac9369faf25207bb2627cefaccbe4ef9c319b8 RSA 2048 bits (e 65537) / SHA256withRSA
3	In trust store	Go Daddy Root Certificate Authority - G2 Self-signed Fingerprint: 47beabc922eae80e78783462a79f45c254fde68b RSA 2048 bits (e 65537) / SHA256withRSA

Configuration

Protocols

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

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

TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) ECDH 256 bits (eq. 3072 bits RSA) FS	128
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) ECDH 256 bits (eq. 3072 bits RSA) FS	128
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) ECDH 256 bits (eq. 3072 bits RSA) FS	128
TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030) ECDH 256 bits (eq. 3072 bits RSA) FS	256
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) ECDH 256 bits (eq. 3072 bits RSA) FS	256
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014) ECDH 256 bits (eq. 3072 bits RSA) FS	256
TLS_RSA_WITH_AES_128_GCM_SHA256 (0x9c)	128
TLS_RSA_WITH_AES_128_CBC_SHA256 (0x3c)	128
TLS_RSA_WITH_AES_128_CBC_SHA (0x2f)	128
TLS_RSA_WITH_AES_256_GCM_SHA384 (0x9d)	256
TLS_RSA_WITH_AES_256_CBC_SHA256 (0x3d)	256
TLS_RSA_WITH_AES_256_CBC_SHA (0x35)	256
TLS_RSA_WITH_3DES_EDE_CBC_SHA (0xa)	112

Handshake Simulation

Android 2.3.7 No SNI [2]	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA (0x2f) No FS	128
Android 4.0.4	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128
Android 4.1.1	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128
Android 4.2.2	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128
Android 4.3	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128
Android 4.4.2	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
Android 5.0.0	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
Baidu Jan 2015	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128

BingPreview Jan 2015	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
Chrome 42 / OS X R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
Firefox 31.3.0 ESR / Win 7	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
Firefox 37 / OS X R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
Googlebot Feb 2015	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
IE 6 / XP No FS [1] No SNI [2]	Protocol or cipher suite mismatch		Fail[3]
IE 7 / Vista	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128
IE 8 / XP No FS [1] No SNI [2]	TLS 1.0	TLS_RSA_WITH_3DES_EDE_CBC_SHA (0xa) No FS	112
IE 8-10 / Win 7 R	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128
IE 11 / Win 7 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) FS	128
IE 11 / Win 8.1 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) FS	128
IE Mobile 10 / Win Phone 8.0	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128
IE Mobile 11 / Win Phone 8.1	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) FS	128
Java 6u45 No SNI [2]	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA (0x2f) No FS	128
Java 7u25	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128
Java 8u31	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
OpenSSL 0.9.8y	TLS 1.0	TLS_RSA_WITH_AES_128_CBC_SHA (0x2f) No FS	128
OpenSSL 1.0.1l R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
OpenSSL 1.0.2 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
Safari 5.1.9 / OS X 10.6.8	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128
Safari 6 / iOS 6.0.1 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) FS	128
Safari 6.0.4 / OS X 10.8.4 R	TLS 1.0	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013) FS	128
Safari 7 / iOS 7.1 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) FS	128
Safari 7 / OS X 10.9 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) FS	128
Safari 8 / iOS 8.1.2 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) FS	128
Safari 8 / OS X 10.10 R	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) FS	128
Yahoo Slurp Jan 2015	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128
YandexBot Jan 2015	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f) FS	128

(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 tend to 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: 0xc013
POODLE (SSLv3)	No, SSL 3 not supported (more info)
POODLE (TLS)	No (more info)
Downgrade attack prevention	**Yes, TLS_FALLBACK_SCSV supported** (more info)
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 modern browsers (more info)
Next Protocol Negotiation (NPN)	No
Session resumption (caching)	**No (IDs assigned but not accepted)**
Session resumption (tickets)	Yes
OCSP stapling	No
Strict Transport Security (HSTS)	No
Public Key Pinning (HPKP)	No
Long handshake intolerance	No
TLS extension intolerance	No
TLS version intolerance	No
Incorrect SNI alerts	-
Uses common DH prime	No
SSL 2 handshake compatibility	Yes

Miscellaneous

Test date	Mon, 06 Jul 2015 14:52:36 UTC
Test duration	236.531 seconds
HTTP status code	200
HTTP server signature	Apache/2.2.22 (Ubuntu)
Server hostname	ec2-54-86-64-47.compute-1.amazonaws.com

SSL Report v1.18.1