SSL Report: galp.com (83.240.208.162)

Assessed on: Tue, 03 May 2022 23:13:03 UTC | Hide | Clear cache

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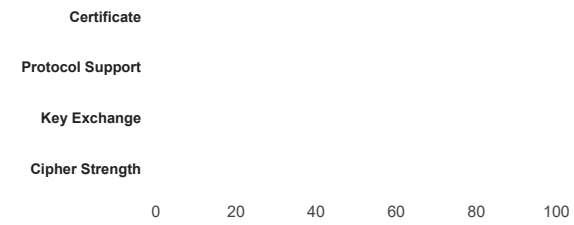
Summary

Overall Rating

A



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This server supports TLS 1.3.

Certificate #1: RSA 2048 bits (SHA512withRSA)

Server Key and Certificate #1

Subject	*.galp.com Fingerprint SHA256: 71ed8a4cb169320c1c2cb970d265ac70466f01e0d4ec6deed9981f81c3bfaa32 Pin SHA256: XHCkuLq78DznCSErXG6LWBRWVDWKymvELSxiXokGczM=
Common names	*.galp.com
Alternative names	*.galp.com galp.com
Serial Number	0aea884a9d0228af5c302b238cad8b8b
Valid from	Tue, 15 Mar 2022 00:00:00 UTC
Valid until	Wed, 15 Mar 2023 23:59:59 UTC (expires in 10 months and 12 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	DigiCert TLS RSA SHA256 2020 CA1 AIA: http://cacerts.digicert.com/DigiCertTLSRSASHA2562020CA1-1.crt
Signature algorithm	SHA512withRSA
Extended Validation	No
Certificate Transparency	Yes (certificate)
OCSP Must Staple	No
Revocation information	CRL, OCSP CRL: http://crl3.digicert.com/DigiCertTLSRSASHA2562020CA1-4.crl OCSP: http://ocsp.digicert.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	Yes Mozilla Apple Android Java Windows

Additional Certificates (if supplied)

Certificates provided	3 (3865 bytes)
Chain issues	Contains anchor

#2

Additional Certificates (if supplied)

Subject	DigiCert TLS RSA SHA256 2020 CA1 Fingerprint SHA256: 52274c57ce4dee3b49db7a7ff708c040f771898b3be88725a86fb4430182fe14 Pin SHA256: RQeZkB42znUfsDIIFWIRiYEcKl7nHwNFwWCrnMMJbVc=
Valid until	Sun, 13 Apr 2031 23:59:59 UTC (expires in 8 years and 11 months)
Key	RSA 2048 bits (e 65537)
Issuer	DigiCert Global Root CA
Signature algorithm	SHA256withRSA

#3

Subject	DigiCert Global Root CA In trust store Fingerprint SHA256: 4348a0e9444c78cb265e058d5e8944b4d84f9662bd26db257f8934a443c70161 Pin SHA256: r/mIkG3eEpVdm+u/ko/cwxzOMo1bk4TyHIlByibiA5E=
Valid until	Mon, 10 Nov 2031 00:00:00 UTC (expires in 9 years and 6 months)
Key	RSA 2048 bits (e 65537)
Issuer	DigiCert Global Root CA Self-signed
Signature algorithm	SHA1withRSA Weak, but no impact on root certificate

Certification Paths

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Configuration

Protocols

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

Cipher Suites

 # TLS 1.3 (suites in server-preferred order)

TLS_AES_128_GCM_SHA256 (0x1301) ECDH secp256r1 (eq. 3072 bits RSA) FS	128
TLS_AES_256_GCM_SHA384 (0x1302) ECDH secp256r1 (eq. 3072 bits RSA) FS	256

 # 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_256_GCM_SHA384 (0xc030) ECDH secp256r1 (eq. 3072 bits RSA) FS	256

Handshake Simulation

Android 4.4.2	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Android 5.0.0	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Android 6.0	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Android 7.0	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Android 8.0	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Android 8.1	-	TLS 1.3	TLS_AES_128_GCM_SHA256 ECDH secp256r1 FS
Android 9.0	-	TLS 1.3	TLS_AES_128_GCM_SHA256 ECDH secp256r1 FS
BingPreview Jan 2015	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Chrome 49 / XP SP3	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Chrome 69 / Win 7 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 ECDH secp256r1 FS
Chrome 70 / Win 10	-	TLS 1.3	TLS_AES_128_GCM_SHA256 ECDH secp256r1 FS
Chrome 80 / Win 10 R	-	TLS 1.3	TLS_AES_128_GCM_SHA256 ECDH secp256r1 FS

Handshake Simulation

Firefox 31.3.0 ESR / Win 7	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Firefox 47 / Win 7 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Firefox 49 / XP SP3	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Firefox 62 / Win 7 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Firefox 73 / Win 10 R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH secp256r1 FS
Googlebot Feb 2018	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
IE 11 / Win 7 R	Server sent fatal alert: handshake_failure			
IE 11 / Win 8.1 R	Server sent fatal alert: handshake_failure			
IE 11 / Win Phone 8.1 R	Server sent fatal alert: handshake_failure			
IE 11 / Win Phone 8.1 Update R	Server sent fatal alert: handshake_failure			
IE 11 / Win 10 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Edge 15 / Win 10 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Edge 16 / Win 10 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Edge 18 / Win 10 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Edge 13 / Win Phone 10 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Java 8u161	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Java 11.0.3	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH secp256r1 FS
Java 12.0.1	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH secp256r1 FS
OpenSSL 1.0.1l R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
OpenSSL 1.0.2s R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
OpenSSL 1.1.0k R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
OpenSSL 1.1.1c R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH secp256r1 FS
Safari 6 / iOS 6.0.1	Server sent fatal alert: handshake_failure			
Safari 7 / iOS 7.1 R	Server sent fatal alert: handshake_failure			
Safari 7 / OS X 10.9 R	Server sent fatal alert: handshake_failure			
Safari 8 / iOS 8.4 R	Server sent fatal alert: handshake_failure			
Safari 8 / OS X 10.10 R	Server sent fatal alert: handshake_failure			
Safari 9 / iOS 9 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Safari 9 / OS X 10.11 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Safari 10 / iOS 10 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Safari 10 / OS X 10.12 R	RSA 2048 (SHA512)	TLS 1.2	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_128_GCM_SHA256	ECDH secp256r1 FS
Safari 12.1.1 / iOS 12.3.1 R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH secp256r1 FS
Apple ATS 9 / iOS 9 R	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
Yahoo Slurp Jan 2015	RSA 2048 (SHA512)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS
YandexBot Jan 2015	RSA 2048 (SHA512)	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

DROWN	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 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	Yes
Insecure Client-Initiated Renegotiation	No
BEAST attack	Mitigated server-side (more info)
POODLE (SSLv3)	No, SSL 3 not supported (more info)

Protocol Details

POODLE (TLS)	No (more info)
Zombie POODLE	No (more info)
GOLDENDOODLE	No (more info)
OpenSSL 0-Length	No (more info)
Sleeping POODLE	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)
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	No
NPN	No
Session resumption (caching)	**No (IDs empty)**
Session resumption (tickets)	No
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, DHE suites not supported
DH public server param (Ys) reuse	No, DHE suites not supported
ECDH public server param reuse	No
Supported Named Groups	secp256r1, x25519, secp384r1 (server preferred order)
SSL 2 handshake compatibility	Yes
0-RTT enabled	No

HTTP Requests

1 **https://galp.com/** (HTTP/1.1 301 Moved Permanently)

Miscellaneous

Test date	Tue, 03 May 2022 23:11:30 UTC
Test duration	92.326 seconds
HTTP status code	301
HTTP forwarding	https://www.galp.com
HTTP server signature	-
Server hostname	-

SSL Report v2.1.10