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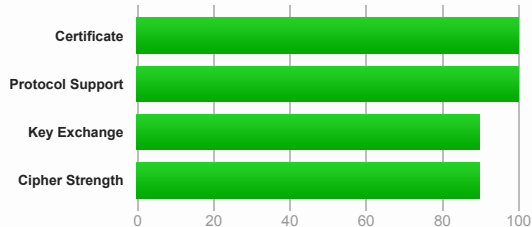
SSL Report: www.bancobpi.pt (195.85.221.50)

Assessed on: Mon, 25 Feb 2019 11:11:11 UTC | [Hide](#) | [Clear cache](#)

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Summary

Overall Rating



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

Renegotiation test has been disabled temporarily due to an Apache httpd 2.4.37 bug. [MORE INFO »](#)

Certificate #1: RSA 2048 bits (SHA256withRSA)



Server Key and Certificate #1



Subject	www.bancobpi.pt Fingerprint SHA256: ba16c8c2ab3eb274f13c3d076457b715995eab7820057c5dd0654e62d265bea1 Pin SHA256: hKG3679J90omENjdGalMwFrtP52DnffJUI6Mqy/C8YU=
Common names	www.bancobpi.pt
Alternative names	www.bancobpi.pt bancobpi.pt
Serial Number	009609faaf5bb3dabb536f6b03407a1ff7
Valid from	Thu, 19 Oct 2017 00:00:00 UTC
Valid until	Wed, 13 Nov 2019 23:59:59 UTC (expires in 8 months and 19 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	MarketWare Server CA 2 AIA: http://crl.usertrust.com/MarketWareServerCA2.crt
Signature algorithm	SHA256withRSA
Extended Validation	No
Certificate Transparency	No
OCSP Must Staple	No
Revocation information	CRL, OCSP CRL: http://crl.usertrust.com/MarketWareServerCA2.crl OCSP: http://ocsp.usertrust.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	Yes Mozilla Apple Android Java Windows



Additional Certificates (if supplied)



Certificates provided	4 (5554 bytes)
Chain issues	Contains anchor
#2	
Subject	MarketWare Server CA 2 Fingerprint SHA256: 65cf938fd9fb34200c9fd6f93ded73aa5b71c369cc74a7c491f0e47a1d5e74be Pin SHA256: nDi1HIIT115x0MuCzNMx50C66i0SdrTtqTFxWKBs9TA=
Valid until	Sat, 26 Oct 2024 23:59:59 UTC (expires in 5 years and 8 months)
Key	RSA 2048 bits (e 65537)

Additional Certificates (if supplied)



Issuer	USERTrust RSA Certification Authority
Signature algorithm	SHA384withRSA

#3

Subject	USERTrust RSA Certification Authority Fingerprint SHA256: 1a5174980a294a528a110726d5855650266c48d9883bea692b67b6d726da98c5 Pin SHA256: x4QzPSC810K5/cMjb05Qm4k3Bw5zBn4ITdO/nEW/Td4=
Valid until	Sat, 30 May 2020 10:48:38 UTC (expires in 1 year and 3 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 SHA256: 687fa451382278ff0c8b11f8d43d576671c6eb2bceab413fb83d965d06d2ff2 Pin SHA256: ICppFqbkrIJ3EcVFAkeip0+44VaoJUymbnOaEuk71EU=
Valid until	Sat, 30 May 2020 10:48:38 UTC (expires in 1 year and 3 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



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Configuration



Protocols

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

For TLS 1.3 tests, we only support RFC 8446.



Cipher Suites

TLS 1.2 (server has no preference)



TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027)	ECDH secp384r1 (eq. 7680 bits RSA)	FS	128
TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)	ECDH secp384r1 (eq. 7680 bits RSA)	FS	128
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028)	ECDH secp384r1 (eq. 7680 bits RSA)	FS	256
TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)	ECDH secp384r1 (eq. 7680 bits RSA)	FS	256



Handshake Simulation

Android 4.4.2	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp384r1	FS
Android 5.0.0	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp384r1	FS
Android 6.0	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 7.0	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
BingPreview Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp384r1	FS
Chrome 49 / XP SP3	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Chrome 69 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Chrome 70 / Win 10	RSA 2048 (SHA256)	TLS 1.2	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 47 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Firefox 49 / XP SP3	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Firefox 62 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Googlebot Feb 2018	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS

Handshake Simulation

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	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
IE 11 / Win Phone 8.1 R	RSA 2048 (SHA256)	TLS 1.2	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	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 15 / 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 8u161	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
OpenSSL 1.0.1l R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp384r1	FS
OpenSSL 1.0.2e R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
Safari 6 / iOS 6.0.1	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
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	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
Safari 9 / OS X 10.11 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
Safari 10 / iOS 10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
Safari 10 / OS X 10.12 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp256r1	FS
Apple ATS 9 / iOS 9 R	RSA 2048 (SHA256)	TLS 1.2	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 secp384r1	FS
YandexBot Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	ECDH secp384r1	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
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)	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

Protocol Details

Public Key Pinning (Static)	No (more info)
Long handshake intolerance	No
TLS extension intolerance	No
TLS version intolerance	TLS 2.152
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, secp384r1 (Server has no preference)
SSL 2 handshake compatibility	Yes



HTTP Requests



1 <https://www.bancobpi.pt/> (HTTP/1.1 301 Moved Permanently)



Miscellaneous

Test date	Mon, 25 Feb 2019 11:10:17 UTC
Test duration	53.537 seconds
HTTP status code	301
HTTP forwarding	http://www.bancobpi.pt PLAINTEXT
HTTP server signature	Oracle-HTTP-Server-12c
Server hostname	bancobpi.pt

SSL Report v1.32.16

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