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SSL Report: www.edp.com (52.31.60.123)

Assessed on: Wed, 04 Mar 2020 12:29:43 UTC | [Hide](#) | [Clear cache](#)

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Summary

Overall Rating

A+

Certificate

Protocol Support

Key Exchange

Cipher Strength

0

20

40

60

80

100


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.

HTTP Strict Transport Security (HSTS) with long duration deployed on this server. [MORE INFO »](#)

DNS Certification Authority Authorization (CAA) Policy found for this domain. [MORE INFO »](#)

Certificate #1: RSA 2048 bits (SHA256withRSA)



Server Key and Certificate #1

Subject

EDP - Energias de Portugal, S.A. / DGU

Fingerprint SHA256: 1a2a8d12b391c398b7e286ea96e11f5c5415a94b3712e76eb1834c8eb0fccfb9

Pin SHA256: xPNbhaCx9JpqlIP6ZycC5EFp6D+XrcyR6SCDpGnSrs5J=

Common names

-

Alternative names

annualreport.edp.com belgium.edpr.com bo.edp.com brasil.edp.com cachoeiracaldeirao.com.br edp.com edpdistribuicao.pt edpjari.com.br edplabelec.com edpr.com edprenovaveis.com energiapecem.com.br enerpeixe.com.br es.edp.com espana.edp.com france.edpr.com fundacaoedp.pt geracaoedp.edp.pt greece.edpr.com investco.com.br italy.edpr.com labelec.edp.com lets-go.pt maat.pt pecem.brasil.edp.com poland.edpr.com portugal.edp.com rd-new.com romania.edpr.com saomanoelenergia.com.br uhecachoeiracaldeirao.com.br uhejari.com.br universitychallenge.edp.com www.cachoeiracaldeirao.com.br www.edp.com www.edpdistribuicao.pt www.edpjari.com.br www.edplabelec.com www.edpr.com www.edprenovaveis.com www.energiapecem.com.br www.enerpeixe.com.br www.fundacaoedp.pt www.investco.com.br www.lets-go.pt www.maat.pt www.rd-new.com www.saomanoelenergia.com.br www.uhecachoeiracaldeirao.com.br www.uhejari.com.br www.universitychallenge.edp.com

Serial Number

35b6f73e13f4b96572fa6bc6f7dfc98

Valid from

Wed, 18 Dec 2019 00:00:00 UTC

Valid until

Tue, 01 Dec 2020 23:59:59 UTC (expires in 8 months and 27 days)

Key

RSA 2048 bits (e 65537)

Weak key (Debian)

No

Issuer

MarketWare - Soluções para Mercados Digitais, Lda. RSA EV CA

AIA: http://crt.usertrust.com/MarketWareSolucoesparaMercadosDigitaisLdaRSAEVCA.crt

Signature algorithm

SHA256withRSA

Extended Validation

Yes

Certificate Transparency

Yes (certificate)

OCSP Must Staple

No

Revocation information

CRL, OCSP

CRL: http://crl.usertrust.com/MarketWareSolucoesparaMercadosDigitaisLdaRSAEVCA.crl

OCSP: http://ocsp.usertrust.com

Revocation status

Good (not revoked)

https://www.ssllabs.com/ssltest/analyze.html?d=www.edp.com

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Server Key and Certificate #1

DNS CAA	Yes policy host: www.edp.com issue: comodoca.com flags:0
Trusted	Yes Mozilla Apple Android Java Windows



Additional Certificates (if supplied)

Certificates provided	3 (5925 bytes)
Chain issues	None

#2

Subject	MarketWare - Soluções para Mercados Digitais, Lda. RSA EV CA Fingerprint SHA256: 4b2b72ba0be27a63478c273a0c5b52f69b89e3699aad4f3a1a0eafe66b995265 Pin SHA256: qCF+PPuByTYruFr6MleAiLpr2ebZPZHbVpg73sPCJwl=
Valid until	Mon, 10 Nov 2025 23:59:59 UTC (expires in 5 years and 8 months)
Key	RSA 2048 bits (e 65537)
Issuer	USERTrust RSA Certification Authority
Signature algorithm	SHA384withRSA

#3

Subject	USERTrust RSA Certification Authority Fingerprint SHA256: 1a5174980a294a528a110726d5855650266c48d9883bea692b67b6d726da98c5 Pin SHA256: x4QzPSC810K5/cMjb05Qm4k3Bw5zBn4lTdO/nEW/Td4=
Valid until	Sat, 30 May 2020 10:48:38 UTC (expires in 2 months and 25 days)
Key	RSA 4096 bits (e 65537)
Issuer	AddTrust External CA Root
Signature algorithm	SHA384withRSA



Certification Paths



Click here to expand

Certificate #2: RSA 2048 bits (SHA256withRSA) No SNI



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

For TLS 1.3 tests, we only support RFC 8446.



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_SHA256 (0xc027)	ECDH secp256r1 (eq. 3072 bits RSA) FS WEAK	128
TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)	ECDH secp256r1 (eq. 3072 bits RSA) FS	256
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028)	ECDH secp256r1 (eq. 3072 bits RSA) FS WEAK	256

Cipher Suites

TLS_RSA_WITH_AES_128_GCM_SHA256 (0x9c)	WEAK	128
TLS_RSA_WITH_AES_128_CBC_SHA256 (0x3c)	WEAK	128
TLS_RSA_WITH_AES_256_GCM_SHA384 (0x9d)	WEAK	256
TLS_RSA_WITH_AES_256_CBC_SHA256 (0x3d)	WEAK	256



Handshake Simulation

Android 4.4.2	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 5.0.0	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 6.0	RSA 2048 (SHA256)	TLS 1.2 > http/1.1	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 7.0	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 8.0	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 8.1	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Android 9.0	RSA 2048 (SHA256)	TLS 1.2 > h2	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_128_GCM_SHA256	ECDH secp256r1	FS
Chrome 49 / XP SP3	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Chrome 69 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Chrome 70 / Win 10	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Chrome 75 / Win 10 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 47 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Firefox 49 / XP SP3	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Firefox 62 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Firefox 67 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2 > h2	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
IE 11 / Win 7 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256	ECDH secp256r1	FS
IE 11 / Win 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 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_128_CBC_SHA256	ECDH secp256r1	FS
IE 11 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Edge 15 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Edge 16 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Edge 18 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Edge 13 / Win Phone 10 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Java 8u161	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Java 11.0.3	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Java 12.0.1	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
OpenSSL 1.0.1l R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
OpenSSL 1.0.2s R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
OpenSSL 1.1.0k R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
OpenSSL 1.1.1c R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 6 / iOS 6.0.1	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256	ECDH secp256r1	FS
Safari 7 / iOS 7.1 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256	ECDH secp256r1	FS
Safari 7 / OS X 10.9 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256	ECDH secp256r1	FS
Safari 8 / iOS 8.4 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256	ECDH secp256r1	FS
Safari 8 / OS X 10.10 R	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256	ECDH secp256r1	FS
Safari 9 / iOS 9 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 9 / OS X 10.11 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 10 / iOS 10 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 10 / OS X 10.12 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 12.1.2 / MacOS 10.14.6 Beta R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Safari 12.1.1 / iOS 12.3.1 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Apple ATS 9 / iOS 9 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS
Yahoo Slurp Jan 2015	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1	FS

Handshake Simulation

YandexBot Jan 2015

RSA 2048 (SHA256)

TLS 1.2

TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256

ECDH secp256r1

FS

Not simulated clients (Protocol mismatch)

Click here to expand

- (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 : 0xc027
GOLDENDOODLE	No (more info)	TLS 1.2 : 0xc027
OpenSSL 0-Length	No (more info)	TLS 1.2 : 0xc027
Sleeping POODLE	No (more info)	TLS 1.2 : 0xc027
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)	
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	h2 http/1.1
NPN	Yes	h2 http/1.1
Session resumption (caching)	Yes	
Session resumption (tickets)	Yes	
OCSP stapling	No	
Strict Transport Security (HSTS)	Yes max-age=31536000; includeSubDomains	
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, secp521r1, brainpoolP512r1, brainpoolP384r1, secp384r1, brainpoolP256r1, secp256k1, sect571r1, sect571k1, sect409k1, sect409r1, sect283k1, sect283r1 (server preferred order)	
SSL 2 handshake compatibility	Yes	



HTTP Requests



- 1 https://www.edp.com/ (HTTP/1.1 301 Moved Permanently)
- 2 https://www.edp.com/en (HTTP/1.1 200 OK)



Miscellaneous

Test date	Wed, 04 Mar 2020 12:27:45 UTC
Test duration	117.723 seconds
HTTP status code	200
HTTP server signature	nginx
Server hostname	ec2-52-31-60-123.eu-west-1.compute.amazonaws.com

SSL Report v2.1.0