SSL Report: dnhctdonline.gov.in (61.0.45.119)

Assessed on: Mon, 26 Oct 2026 09:02:21 UTC | **HIDDEN** | Clear cache

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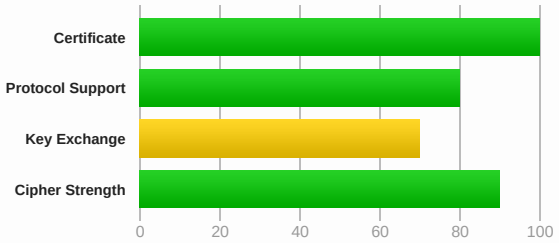
Summary

Overall Rating

B



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

This server supports weak Diffie-Hellman (DH) key exchange parameters. Grade capped to B. MORE INFO »

This server accepts RC4 cipher, but only with older protocols. Grade capped to B. MORE INFO »

This server does not support Forward Secrecy with the reference browsers. Grade capped to B. MORE INFO »

This server does not support TLS 1.3. MORE INFO »

This server does not support PQC (Post-Quantum Cryptography) key exchange.

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

Certificate #1: RSA 2048 bits (SHA384withRSA)

Server Key and Certificate #1

Subject	dnhctdonline.gov.in Fingerprint SHA256: 8dd4b9b4d89fa9c617bc509859961c2e4d4a1355e4355f928f49dec6aaf5e48c Pin SHA256: 7CPHUQjo0tEJDqcT8gs3xiAlh6iY78Chfpz77u8q3XI=
Common names	dnhctdonline.gov.in
Alternative names	www.dnhctdonline.gov.in dnhctdonline.gov.in
Serial Number	096cb9e2bcdec5e7735bdcea12bbd6
Valid from	Fri, 16 Oct 2026 22:43:21 UTC
Valid until	Wed, 13 Jan 2027 22:43:21 UTC (expires in 2 months and 18 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	EM DV TLS CA - G2A-1 AIA: http://repository.emsign.com/certs/EMDVTLSCAG2A1EE.p7c
Signature algorithm	SHA384withRSA
Extended Validation	No
Certificate Transparency	**Yes (certificate)**
OCSP Must Staple	No
Revocation information	CRL, OCSP CRL: http://crl.emsign.com?EMDVTLSCAG2A1.crl OCSP: http://ocsp-a.emsign.com

Server Key and Certificate #1

Revocation status	Good (not revoked)
DNS CAA	Yes policy host: dnhctdonline.gov.in issue: emsign.com flags:0
Trusted	Yes Mozilla Apple Android Java Windows

Additional Certificates (if supplied)

Certificates provided	3 (5079 bytes)
Chain issues	None

#2

Subject	EM DV TLS CA - G2A-1 Fingerprint SHA256: 3f13597d3355d341bd09328aee567d7f4e002d9919b986f9962daff197ea75d1 Pin SHA256: zrUpja649ZJ5SAtGACyJ93Vcw6FpUUsRuBC+/BlaANg=
Valid until	Mon, 28 May 2040 07:16:12 UTC (expires in 13 years and 7 months)
Key	RSA 4096 bits (e 65537)
Issuer	emSign Root TLS CA - G1
Signature algorithm	SHA384withRSA

#3

Subject	emSign Root TLS CA - G1 Fingerprint SHA256: 9b913476eab476e21e0887dbcde44345d1359d28116b83b7cd3e87bd807ebf68 Pin SHA256: 7OKONSic6GIcckB5SeUFAFKtRgfMMy6vm1RgKarL+3o=
Valid until	Sat, 09 Jul 2039 18:30:00 UTC (expires in 12 years and 8 months)
Key	RSA 4096 bits (e 65537)
Issuer	emSign Root CA - G1
Signature algorithm	SHA256withRSA

Certification Paths

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

Cipher Suites

TLS 1.2 (suites in server-preferred order)

TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028) ECDH secp256r1 (eq. 3072 bits RSA) FS **WEAK**	256
TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (0x9f) DH 1024 bits FS **WEAK**	256
TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (0x9e) DH 1024 bits FS **WEAK**	128
TLS_RSA_WITH_AES_256_GCM_SHA384 (0x9d) **WEAK**	256
TLS_RSA_WITH_AES_128_GCM_SHA256 (0x9c) **WEAK**	128
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027) ECDH secp256r1 (eq. 3072 bits RSA) FS **WEAK**	128

Cipher Suites

TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)	ECDH secp256r1 (eq. 3072 bits RSA) FS	WEAK	256
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)	ECDH secp256r1 (eq. 3072 bits RSA) FS	WEAK	128
TLS_RSA_WITH_AES_256_CBC_SHA256 (0x3d)		WEAK	256
TLS_RSA_WITH_AES_128_CBC_SHA256 (0x3c)		WEAK	128
TLS_RSA_WITH_AES_256_CBC_SHA (0x35)		WEAK	256
TLS_RSA_WITH_AES_128_CBC_SHA (0x2f)		WEAK	128
TLS_RSA_WITH_3DES_EDE_CBC_SHA (0xa)		WEAK	112
TLS_RSA_WITH_RC4_128_SHA (0x5)		INSECURE	128
TLS_RSA_WITH_RC4_128_MD5 (0x4)		INSECURE	128

Handshake Simulation

Android 4.4.2	RSA 2048 (SHA384)	TLS 1.2	TLS_DHE_RSA_WITH_AES_256_GCM_SHA384	DH 1024	FS
Android 5.0.0	RSA 2048 (SHA384)	TLS 1.2	TLS_DHE_RSA_WITH_AES_128_GCM_SHA256	DH 1024	FS
Android 6.0	RSA 2048 (SHA384)	TLS 1.2	TLS_DHE_RSA_WITH_AES_128_GCM_SHA256	DH 1024	FS
Android 7.0	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
Android 8.0	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
Android 8.1	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
Android 9.0	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
BingPreview Jan 2015	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Chrome 49 / XP SP3	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_128_GCM_SHA256	No FS	
Chrome 69 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
Chrome 70 / Win 10	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
Chrome 80 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
Chrome 131 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
Firefox 31.3.0 ESR / Win 7	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1	FS
Firefox 47 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1	FS
Firefox 49 / XP SP3	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1	FS
Firefox 62 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1	FS
Firefox 73 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	ECDH secp256r1	FS
Firefox 135 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
Googlebot Feb 2018	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
IE 11 / Win 7 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
IE 11 / Win 8.1 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
IE 11 / Win Phone 8.1 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256	ECDH secp256r1	FS
IE 11 / Win Phone 8.1 Update R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
IE 11 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Edge 15 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Edge 16 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Edge 18 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Edge 131 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
Edge 13 / Win Phone 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Java 8u161	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Java 11.0.3	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Java 12.0.1	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
OpenSSL 1.0.1l R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
OpenSSL 1.0.2s R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
OpenSSL 1.1.0k R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
OpenSSL 1.1.1c R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Opera 117 / Win 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_RSA_WITH_AES_256_GCM_SHA384	No FS	
Safari 6 / iOS 6.0.1	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 7 / iOS 7.1 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS

Handshake Simulation

Safari 7 / OS X 10.9 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 8 / iOS 8.4 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 8 / OS X 10.10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 9 / iOS 9 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 9 / OS X 10.11 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 10 / iOS 10 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 10 / OS X 10.12 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 12.1.2 / MacOS 10.14.6 Beta R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Safari 12.1.1 / iOS 12.3.1 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Apple ATS 9 / iOS 9 R	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
Yahoo Slurp Jan 2015	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	ECDH secp256r1	FS
YandexBot Jan 2015	RSA 2048 (SHA384)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	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

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	**Yes INSECURE** (more info)
Heartbeat (extension)	No
Heartbleed (vulnerability)	No (more info)
Ticketbleed (vulnerability)	No (more info)
OpenSSL CCS vuln. (CVE-2014-0224)	Unknown (more info)
OpenSSL Padding Oracle vuln. (CVE-2016-2107)	No (more info)
ROBOT (vulnerability)	No (more info)
Forward Secrecy	**Weak key exchange WEAK**
ALPN	No
NPN	No
Session resumption (caching)	Yes
Session resumption (tickets)	No
OCSP stapling	**Yes**
Strict Transport Security (HSTS)	No
HSTS Preloading	**Not in: Chrome Edge Firefox IE**
Public Key Pinning (HPKP)	No (more info)

Protocol Details

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	**Yes** Replace with custom DH parameters if possible (more info)
DH public server param (Ys) reuse	**Yes**
ECDH public server param reuse	**Yes**
Supported Named Groups	secp256r1, secp384r1 (server preferred order)
PQC Key Exchange	Not Supported
Supported PQC Groups	-
SSL 2 handshake compatibility	No

HTTP Requests

1 **https://dnhctdonline.gov.in/** (HTTP/1.1 403 Forbidden)

Miscellaneous

Test date	Mon, 26 Oct 2026 08:59:36 UTC
Test duration	164.922 seconds
HTTP status code	403
HTTP server signature	Microsoft-IIS/8.5
Server hostname	-

SSL Report v2.4.3

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