SSL Report: apps.gov.in (166.117.66.251)

Assessed on: Mon, 26 Oct 2026 07:13:38 UTC | **HIDDEN** | Clear cache

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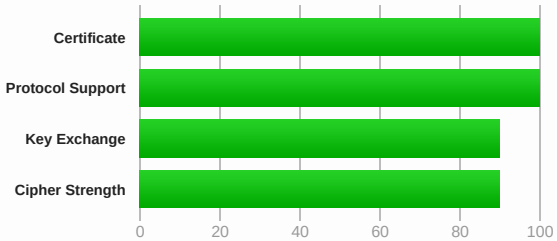
Summary

Overall Rating

A



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.

This server supports TLS 1.3. MORE INFO »

This server supports PQC (Post-Quantum Cryptography) key exchange.

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

Certificate #1: RSA 2048 bits (SHA256withRSA)

Server Key and Certificate #1

Subject	apps.gov.in Fingerprint SHA256: 7bf2a148a8ff996ffb8728125140bc1f58e76b86384c3567454e19ca188027d2 Pin SHA256: bd5FIdcgqMNvbksUaz0dAXkFZnf3CBBhp1GdEUmOX9Q=
Common names	apps.gov.in
Alternative names	apps.gov.in *.apps.gov.in
Serial Number	05b96268960d98811dd96091e6875114
Valid from	Fri, 24 Jul 2026 00:00:00 UTC
Valid until	Sat, 06 Feb 2027 23:59:59 UTC (expires in 3 months and 11 days)
Key	RSA 2048 bits (e 65537)
Weak key (Debian)	No
Issuer	Amazon RSA 2048 M04 AIA: http://crt.r2m04.amazontrust.com/r2m04.cer
Signature algorithm	SHA256withRSA
Extended Validation	No
Certificate Transparency	**Yes (certificate)**
OCSP Must Staple	No
Revocation information	CRL, OCSP CRL: http://crl.r2m04.amazontrust.com/r2m04.crl OCSP: http://ocsp.r2m04.amazontrust.com
Revocation status	Good (not revoked)
DNS CAA	**Yes** policy host: apps.gov.in issue: amazon.com flags:0

Server Key and Certificate #1

Trusted	**Yes** Mozilla Apple Android Java Windows

Additional Certificates (if supplied)

Certificates provided	3 (3780 bytes)
Chain issues	None

#2

Subject	Amazon RSA 2048 M04 Fingerprint SHA256: 138bdf6e23ac971eb4e626b279dd6a26f057510f1de394293a5eea2860de019b Pin SHA256: G9LNNAql897egYsabashkzUCTEJkWBzgoEtk8X/678c=
Valid until	Fri, 23 Aug 2030 22:26:35 UTC (expires in 3 years and 9 months)
Key	RSA 2048 bits (e 65537)
Issuer	Amazon Root CA 1
Signature algorithm	SHA256withRSA

#3

Subject	Amazon Root CA 1 Fingerprint SHA256: 87dcd4dc74640a322cd205552506d1be64f12596258096544986b4850bc72706 Pin SHA256: ++MBgDH5WGvL9Bcn5Be30cRcL0f5O+NyoXuWtQdX1aI=
Valid until	Thu, 31 Dec 2037 01:00:00 UTC (expires in 11 years and 2 months)
Key	RSA 2048 bits (e 65537)
Issuer	Starfield Services Root Certificate Authority - G2
Signature algorithm	SHA256withRSA

Certification Paths

Click here to expand

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

Click here to expand

Configuration

Protocols

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

(*) Experimental: Server negotiated using No-SNI

Cipher Suites

TLS 1.3 (suites in server-preferred order)

TLS_AES_128_GCM_SHA256 (0x1301)	X25519MLKEM768 (eq. 3072 bits RSA)	FS	128
TLS_AES_256_GCM_SHA384 (0x1302)	X25519MLKEM768 (eq. 3072 bits RSA)	FS	256

Cipher Suites

TLS_CHACHA20_POLY1305_SHA256 (0x1303)	X25519MLKEM768 (eq. 3072 bits RSA) FS	256

 # TLS 1.2 (suites in server-preferred order)

TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)	ECDH x25519 (eq. 3072 bits RSA) FS	128
TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)	ECDH x25519 (eq. 3072 bits RSA) FS	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 x25519 FS
Android 8.0	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519 FS
Android 8.1	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519 FS
Android 9.0	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519 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 x25519 FS
Chrome 70 / Win 10	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519 FS
Chrome 80 / Win 10 R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519 FS
Chrome 131 / Win 10 R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	PQC X25519MLKEM768 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 x25519 FS
Firefox 73 / Win 10 R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519 FS
Firefox 135 / Win 10 R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	PQC X25519MLKEM768 FS
Googlebot Feb 2018	RSA 2048 (SHA256)	TLS 1.2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519 FS
IE 11 / Win 7 R	Protocol or cipher suite mismatch			
IE 11 / Win 8.1 R	Protocol or cipher suite mismatch			
IE 11 / Win Phone 8.1 R	Protocol or cipher suite mismatch			
IE 11 / Win Phone 8.1 Update R	Protocol or cipher suite mismatch			
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 x25519 FS
Edge 16 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519 FS
Edge 18 / Win 10 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH x25519 FS
Edge 131 / Win 10 R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	PQC X25519MLKEM768 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	-	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 (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 x25519 FS
OpenSSL 1.1.1c R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519 FS
Opera 117 / Win 10 R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	PQC X25519MLKEM768 FS
Safari 6 / iOS 6.0.1	Protocol or cipher suite mismatch			
Safari 7 / iOS 7.1 R	Protocol or cipher suite mismatch			
Safari 7 / OS X 10.9 R	Protocol or cipher suite mismatch			
Safari 8 / iOS 8.4 R	Protocol or cipher suite mismatch			
Safari 8 / OS X 10.10 R	Protocol or cipher suite mismatch			
Safari 9 / iOS 9 R	RSA 2048 (SHA256)	TLS 1.2 > h2	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	ECDH secp256r1 FS

Handshake Simulation

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	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519 FS
Safari 12.1.1 / iOS 12.3.1 R	-	TLS 1.3	TLS_AES_128_GCM_SHA256	ECDH x25519 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
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

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)
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	Yes h2 http/1.1
NPN	Yes h2 http/1.1
Session resumption (caching)	**No (IDs assigned but not accepted)**
Session resumption (tickets)	Yes
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

Protocol Details

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	X25519MLKEM768, SecP256r1MLKEM768, x25519, secp256r1, secp384r1, secp521r1 (server preferred order)
PQC Key Exchange	**Supported**
Supported PQC Groups	X25519MLKEM768, SecP256r1MLKEM768
SSL 2 handshake compatibility	Yes
0-RTT enabled	No

HTTP Requests

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

Miscellaneous

Test date	Mon, 26 Oct 2026 07:12:01 UTC
Test duration	97.83 seconds
HTTP status code	403
HTTP server signature	awselb/2.0
Server hostname	aff6112dab614f35f.awsglobalaccelerator.com

SSL Report v2.4.3

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