IPv6 Readiness Report

instagram.com — instagram.com

Scan to verify

Category: Social Media • Generated: 02 Nov 2026, 03:05 MYT • Last Checked: 08 Aug 2026, 18:19 MYT • Verification ID: b99673f7-d0b4-4cd0-ad54-641363a2728d
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/b99673f7-d0b4-4cd0-ad54-641363a2728d

⚠
Partially Compliant
MGv6C-1.0

83%
Partial Support

IPV6-ONLY READINESS
Website: ✓ **Ready**
DNS: ✓ **Ready**
Email: ✗ **Not Ready**

IPV6 ADDRESSES
`2a03:2880:f34c:22:face:b00c::4420`

IPV4 ADDRESSES
`57.144.152.34`

Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	meta-mnt	meta-mnt
Country	IE	IE
ASN	AS32934	AS32934
ASN Name	FACEBOOK - Facebook, Inc., US	FACEBOOK - Facebook, Inc., US
Network (CIDR)	2a03:2880::/29	57.141.0.0/16

Web Services (35%) — 8 / 8

#	CHECK	RESULT	DETAIL
1	**AAAA Record**	PASS	2a03:2880:f34c:22:face:b00c::4420
2	**Globally Routable IPv6**	PASS	All addresses are globally routable.
3	**HTTP over IPv6**	PASS	HTTP (port 80) responds over IPv6 — 696ms TTFB.
4	**HTTPS over IPv6**	PASS	HTTPS (port 443) responds over IPv6 — 678ms TTFB.
5	**IPv6-Only Reachability**	PASS	Site is fully reachable via IPv6-only.
6	**TLS Certificate Valid (IPv6)**	PASS	Certificate valid — issued by C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1, expires Aug 15 23:59:59 2026 GMT
7	**Dual-Stack (IPv4 + IPv6)**	PASS	Domain has both A and AAAA records.
8	**HTTP/3 (QUIC)**	PASS	Alt-Svc: h3 header detected.

DNS & DNSSEC (25%) — 4 / 5

#	CHECK	RESULT	DETAIL
1	**NS Has AAAA Record**	PASS	Nameserver has IPv6 address.
2	**NS Reachable via IPv6**	PASS	Nameserver is reachable via IPv6 on port 53.
3	**NS Answers Queries via IPv6**	PASS	DNS queries answered over IPv6.
4	**DNSSEC Validated**	FAIL	DNSSEC validation failed or zone is unsigned.
5	**Reverse DNS (PTR)**	PASS	PTR record found in ip6.arpa.
6	**DS Record at Parent**	FAIL	No DS record at parent.
7	**RRSIG Valid**	FAIL	No valid RRSIG found.

#	CHECK	RESULT	DETAIL
8	**Signing Algorithm**	INFO	No DNSKEY record found.

Email Services (25%) 3 / 6

#	CHECK	RESULT	DETAIL
1	**MX Record Exists**	PASS	MX record found.
2	**MX Server Has IPv6**	FAIL	MX server has no IPv6 address.
3	**SMTP Reachable via IPv6**	FAIL	SMTP is not reachable over IPv6.
4	**STARTTLS over IPv6**	FAIL	STARTTLS not available over IPv6.
5	**SPF Record**	PASS	SPF record found.
6	**DKIM Selector**	INFO	No common DKIM selector found.
7	**DMARC Record**	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	**A Record**	PASS	57.144.152.34
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4 — 650ms TTFB.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4 — 964ms TTFB.

Audit Trail & Evidence Record

Verification ID	b99673f7-d0b4-4cd0-ad54-641363a2728d
Domain	instagram.com
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:19:37 MYT
Finished	08 Aug 2026, 18:19:49 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/b99673f7-d0b4-4cd0-ad54-641363a2728d

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	11e87e4caf3184522adebfd9fe77284d1ebcdee531906bfd463a54e934e225f2
http_headers	25c39adff9d23a098db00c09c098861cc1a9f23305b310757f83d0d4fbe78ccb
dns_responses	6222599d4a6bf04f379288da2d0e0b40609c0b1ee61033e5585fab1c4f3cc601
tls_handshake	5bda428fa2a8474b694f0b8423b0355d48a669a4131d5c804eb2c9f668092fc5
connectivity_log	8c6fa4934c004bc379da70872ffaf5af3be238fdbb2f47ecfcef34b9e0f459a9
dns_resolution_times	12978845019c813b2cf08b1ea4e5c15c49a89ecc8961b21062c56b36dd95f916

Test Node Identity

Os	Linux srv1440888 6.8.0-136-generic #136-Ubuntu SMP PREEMPT_DYNAMIC Wed Jul 1 21:53:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.33
Server Ipv4	76.13.221.142
Server Ipv6	2a02:4780:5e:2789::1

DNS Resolution Performance

Comparison of A (IPv4) vs AAAA (IPv6) query times across resolvers and transports. Shows median (p50) and 95th percentile (p95) of 3 samples per tuple.

Resolver	Transport	A p50 (ms)	A p95 (ms)	AAAA p50 (ms)	AAAA p95 (ms)	Delta (ms)
System	Default	21.03	24.86	29.01	31.22	+8
Google	IPv4	84.98	91.08	85.99	92.8	+1
Google	IPv6	87.81	95.66	112.86	116.73	+25.1
Cloudflare	IPv4	21.13	21.44	21.21	21.73	+0.1
Cloudflare	IPv6	27.33	28.58	21.26	26.13	-6.1

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 7591
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
instagram.com.□□60□IN□A□163.70.132.174
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 61085
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.□□□896□IN□SOA□a.gtld-servers.net. nstld.verisign-grs.com. 1786184359 1800 900 604800 900
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 1453
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
instagram.com.□□7200□IN□MX□10 mxa-00082601.gslb.pphosted.com.
instagram.com.□□7200□IN□MX□10 mxb-00082601.gslb.pphosted.com.
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 63086
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 9

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
instagram.com.□□3600□IN□NS□a.ns.instagram.com.
instagram.com.□□3600□IN□NS□c.ns.instagram.com.
instagram.com.□□3600□IN□NS□d.ns.instagram.com.
instagram.com.□□3600□IN□NS□b.ns.instagram.com.
```

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 13228
;; flags: qr rd ra; QUERY: 1, ANSWER: 10, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
instagram.com.□□300□IN□TXT□"hyWdekepiNsp/V9b1JCR+wZDdzbESurl4GqY+FLMfiN+7aeFaway0Art+kNDHeL5OnGZipNeV/iIC+lOONSQVQ=="
instagram.com.□□3600□IN□TXT□"_yvfspgyfwcjnwgopowc9qjme14c32od"
instagram.com.□□3600□IN□TXT□"facebook-domain-verification=hksvhmzcutq39t1kgpmlx11kt8314q"
instagram.com.□□300□IN□TXT□"4cbb1b68-601f-4801-8e7f-e8f68a4a41dd"
instagram.com.□□300□IN□TXT□"google-site-verification=GGtId51KFyq0hqX2xNvt1u0P9Xp0C7k6pp9do49fCNw"
instagram.com.□□300□IN□TXT□"nEXgIFIbDifAKlSMQvAhly5SA-vpsAkm5wiOdwdkrzY"
instagram.com.□□300□IN□TXT□"google-site-verification=_iQgLr68Rdg7YnN2PqOljSG5dnWOFUUXISF9R77fs5c"
instagram.com.□□300□IN□TXT□"ms=ms86975275"
instagram.com.□□300□IN□TXT□"v=spf1 include:facebookmail.com include:_spf.fb.com -all"
instagram.com.□□300□IN□TXT□"adobe-idp-site-verification=367fda82-a8bb-46cf-9cff-0062d452d229"
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 44244
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
```

```
;; ANSWER SECTION:
instagram.com.□□60□IN□AAAA□2a03:2880:f27f:e2:face:b00c:0:4420
```

RRSIG

```
a.ns.instagram.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 23089
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
instagram.com.□□3596□IN□SOA□a.ns.instagram.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```

DNSSEC_VALIDATION

```
; unsigned answer
instagram.com.□□3596□IN□SOA□a.ns.instagram.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```

TLS Handshake Evidence

IPV4 Connection

IP Used	57.144.152.34
IP Version	4

```
depth=2 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
verify return:1
depth=1 C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
verify return:1
depth=0 C = US, ST = California, L = Menlo Park, O = "Meta Platforms, Inc.", CN = *.instagram.com
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:C = US, ST = California, L = Menlo Park, O = "Meta Platforms, Inc.", CN = *.instagram.com
   i:C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
   a:PKEY: id-ecPublicKey, 256 (bit); sigalg: RSA-SHA256
   v:NotBefore: May 17 00:00:00 2026 GMT; NotAfter: Aug 15 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGXDCCBUSgAwIBAgIQDIw+pSCR92pfUUhyhzMYLTANBgkqhkiG9w0BAQsFADBZ
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMTMwMQYDVQQDEypE
aWdpQ2VydCBHbG9iYWwgRzIgVExTIFJTQSBTSEEyNTYgMjAyMCBDQTEwHhcNMjYw
NTE3MDAwMDAwWhcNMjYwODE1MjM1OTU5WjBwMQswCQYDVQQGEwJVUzETMBEGA1UE
CBMKQ2FsaWZvcm5pYTETMBEGA1UEBxMKTWVubG8gUGFyazEdMBsGA1UEChMUTWV0
YSBQbGF0Zm9ybXMsIEluYy4xGDAWBgNVBAMMDyouaW5zdGFncmFtLmNvbTBZMBMG
ByqGSM49AgEGCCqGSM49AwEHA0IABDs2j5MZywuq3YPiseUu8OZk9lrBQYzMV6pI
fyMKK333XCc2Np+5f8D91QXX7B9cOKM1xkAPBYLMd+7VcpXg39ejggPSMIIDzjAf
BgNVHSMEGDAWgBR0hYDAZsffN97PvSk3qgMdvu3NFzAdBgNVHQ4EFgQU6W/Zi+U5
Oq+ZogM9EBncdwYoDuIwawYDVR0RBGQwYoIPKi5pbnN0YWdyYW0uY29tghIqLmNk
bmluc3RhZ3JhbS5jb22CDSouaWdzb25hci5jb22CEGNkbmluc3RhZ3JhbS5jb22C
C2lnc29uYXIuY29tgg1pbnN0YWdyYW0uY29tMD4GA1UdIAQ3MDUwMwYGZ4EMAQIC
MCkwJwYIKwYBBQUHAgEWG2h0dHA6Ly93d3cuZGlnaWNlcnQuY29tL0NQUzAOBgNV
HQ8BAf8EBAMCA4gwEwYDVR0lBAwwCgYIKwYBBQUHAwEwgZ8GA1UdHwSBlzCBlDBI
oEagRIZCaHR0cDovL2NybDMuZGlnaWNlcnQuY29tL0RpZ2lDZXJ0R2xvYmFsRzJU
TFNSU0FTSEEyNTYyMDIwQ0ExLTEuY3JsMEigRqBEhkJodHRwOi8vY3JsNC5kaWdp
Y2VydC5jb20vRGlnaUNlcnRHbG9iYWxHMlRMU1JTQVNIQTI1NjIwMjBDQTEtMS5j
cmwwgYcGCCsGAQUFBwEBBHsweTAkBggrBgEFBQcwAYYYaHR0cDovL29jc3AuZGln
aWNlcnQuY29tMFEGCCsGAQUFBzAChkVodHRwOi8vY2FjZXJ0cy5kaWdpY2VydC5j
b20vRGlnaUNlcnRHbG9iYWxHMlRMU1JTQVNIQTI1NjIwMjBDQTEtMS5jcnQwDAYD
VR0TAQH/BAIwADCCAX4GCisGAQQB1nkCBAIEggFuBIIBagFoAHYAwjF+V0UZo0Xu
fzjespBB68fCIVoiv3/Vta12mtkOUs0AAAGeM28LcwAABAMARzBFAiA+uobJcyqs
gnKiexi/MyOC9PsniYv3EwLHJ6HbrpO+zQIhAIO7sI+dIx/uhk5nPof0iwfPGHwp
kog++MreRWJ8mg9TAHUA2AlVO5RPev/IFhlvlE+Fq7D4/F6HVSYPFdEucrtFSxQA
AAGeM28LlQAABAMARjBEAiAfPAd3xLBIadycri6CoPHKoeQEsXz7rKZfuG/1ve9Q
JgIgNnoDAbK/KeDOZ53wr90zVmPa4aMp3AXPU9L+GBXELwEAdwCUTkOH+uzB74Hz
GSQmqBhlAcfTXzgCAT9yZ31VNy4Z2AAAAZ4zbwuMAAAEAwBIMEYCIQCtn6aBjCG2
FmmpHcxZ4VwDXesU75IrM6ADdyjzUuq5nwIhAKKgaZFx4OZDIduwn0Qmn+lljFhu
xILFhLKqeOyyTrhaMA0GCSqGSIb3DQEBCwUAA4IBAQBwTUto4HURL1g/9SXu3igj
c9fFkHGK3twCjlZMZdX8JqYmGv12AUq1eoMMujh1Cq69wTfIyfX/SivBvVd7kjGD
rwNuuDDKGBad+TJIXXAnXrd5fruuPqiBdRs1c9WsZvY6gWz20gliFyNNVfdePp1p
ju1HxeXsqkpbugWrXoiU9w22Hgs0qpvcGj8wh0dmdpHXpIe5JhRcAoNQGD0FnBQy
DtER9aeiLU/5BjYtPmVzA02LNkK63R1PvCVBMXTacF9+cCL17ttnCN2ZI6d9nsTs
QUmAv+eLFcz+tY6XNi5bUrAHMb6lwiUvwhDRxcjhsyZixdLN9Qe3nakWy/gyfIK/
-----END CERTIFICATE-----
 1 s:C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
   i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Mar 30 00:00:00 2021 GMT; NotAfter: Mar 29 23:59:59 2031 GMT
-----BEGIN CERTIFICATE-----
MIIEyDCCA7CgAwIBAgIQDPW9BitWAvR6uFAsI8zwZjANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBH
MjAeFw0yMTAzMzAwMDAwMDBaFw0zMTAzMjkyMzU5NTlaMFkxCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxMzAxBgNVBAMTKkRpZ2lDZXJ0IEdsb2Jh
bCBHMiBUTFMgUlNBIFNIQTI1NiAyMDIwIENBMTCCASIwDQYJKoZIhvcNAQEBBQAD
ggEPADCCAQoCggEBAMz3EGJPprtjb+2QUlbFbSd7ehJWivH0+dbn4Y+9lavyYEEV
cNsSAPonCrVXOFt9slGTcZUOakGUWzUb+nv6u8W+JDD+Vu/E832X4xT1FE3LpxDy
FuqrIvAxIhFhaZAmunjZlx/jfWardUSVc8is/+9dCopZQ+GssjoP80j812s3wWPc
3kbW20X+fSP9kOhRBx5Ro1/tSUZUfyyIxfQTnJcVPAPooTncaQwywa8WV0yUR0J8
osicfebUTVSvQpmowQTCd5zWSOTOEeAqgJnwQ3DPP3Zr0UxJqyRewg2C/Uaoq2yT
zGJSQnWS+Jr6Xl6ysGHlHx+5fwmY6D36g39HaaECAwEAAaOCAYIwggF+MBIGA1Ud
EwEB/wQIMAYBAf8CAQAwHQYDVR0OBBYEFHSFgMBmx9833s+9KTeqAx2+7c0XMB8G
A1UdIwQYMBaAFE4iVCAYlebjbuYP+vq5Eu0GF485MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHSUEFjAUBggrBgEFBQcDAQYIKwYBBQUHAwIwdgYIKwYBBQUHAQEEajBoMCQG
CCsGAQUFBzABhhhodHRwOi8vb2NzcC5kaWdpY2VydC5jb20wQAYIKwYBBQUHMAKG
NGh0dHA6Ly9jYWNlcnRzLmRpZ2ljZXJ0LmNvbS9EaWdpQ2VydEdsb2JhbFJvb3RH
Mi5jcnQwQgYDVR0fBDswOTA3oDWgM4YxaHR0cDovL2NybDMuZGlnaWNlcnQuY29t
```

```
L0RpZ2lDZXJ0R2xvYmFsUm9vdEcyLmNybDA9BgNVHSAENjA0MAsGCWCGSAGG/WwC
ATAHBgVngQwBATAIBgZngQwBAgEwCAYGZ4EMAQICMAgGBmeBDAECAzANBgkqhkiG
9w0BAQsFAAOCAQEAkPFwyyiXaZd8dP3A+iZ7U6utzWX9upwGnIrXWkOH7U1MVl+t
wcW1BSAuWdH/SvWgKtiwla3JLko716f2b4gp/DA/JIS7w7d7kwcsr4drdjPtAFVS
slme5LnQ89/nD/7d+MS5EHKBCQRfz5eeLjJ1js+aWNJXMX43AYGyZm0pGrFmCW3R
bpD0ufovARTFXFZkAdl9h6g4U5+LXUZtXMYnhIHUfoyMo5tS58aI7Dd8KvvwVVo4
chDYABPPTHPbqjc1qCmBaZx2vN4Ye5DUys/vZwP9BFohFrH/6j/f3IL16/RZkiMN
JCqVJUzKoZHm1Lesh3Sz8W2jmdv51b2EQJ8HmA==
-----END CERTIFICATE-----
---
Server certificate
subject=C = US, ST = California, L = Menlo Park, O = "Meta Platforms, Inc.", CN = *.instagram.com
issuer=C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: ECDSA
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 3197 bytes and written 379 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_CHACHA20_POLY1305_SHA256
Server public key is 256 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
```

IPV6 Connection

IP Used	2a03:2880:f34c:22:face:b00c::4420
IP Version	6

```
depth=2 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
verify return:1
depth=1 C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
verify return:1
depth=0 C = US, ST = California, L = Menlo Park, O = "Meta Platforms, Inc.", CN = *.instagram.com
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:C = US, ST = California, L = Menlo Park, O = "Meta Platforms, Inc.", CN = *.instagram.com
   i:C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
   a:PKEY: id-ecPublicKey, 256 (bit); sigalg: RSA-SHA256
   v:NotBefore: May 17 00:00:00 2026 GMT; NotAfter: Aug 15 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGXDCCBUSgAwIBAgIQDIw+pSCR92pfUUhyhzMYLTANBgkqhkiG9w0BAQsFADBZ
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMTMwMQYDVQQDEypE
aWdpQ2VydCBHbG9iYWwgRzIgVExTIFJTQSBTSEEyNTYgMjAyMCBDQTEwHhcNMjYw
NTE3MDAwMDAwWhcNMjYwODE1MjM1OTU5WjBwMQswCQYDVQQGEwJVUzETMBEGA1UE
CBMKQ2FsaWZvcm5pYTETMBEGA1UEBxMKTWVubG8gUGFyazEdMBsGA1UEChMUTWV0
YSBQbGF0Zm9ybXMsIEluYy4xGDAWBgNVBAMMDyouaW5zdGFncmFtLmNvbTBZMBMG
ByqGSM49AgEGCCqGSM49AwEHA0IABDs2j5MZywuq3YPiseUu8OZk9lrBQYzMV6pI
fyMKK333XCc2Np+5f8D91QXX7B9cOKM1xkAPBYLMd+7VcpXg39ejggPSMIIDzjAf
BgNVHSMEGDAWgBR0hYDAZsffN97PvSk3qgMdvu3NFzAdBgNVHQ4EFgQU6W/Zi+U5
Oq+ZogM9EBncdwYoDuIwawYDVR0RBGQwYoIPKi5pbnN0YWdyYW0uY29tghIqLmNk
bmluc3RhZ3JhbS5jb22CDSouaWdzb25hci5jb22CEGNkbmluc3RhZ3JhbS5jb22C
C2lnc29uYXIuY29tgg1pbnN0YWdyYW0uY29tMD4GA1UdIAQ3MDUwMwYGZ4EMAQIC
MCkwJwYIKwYBBQUHAgEWG2h0dHA6Ly93d3cuZGlnaWNlcnQuY29tL0NQUzAOBgNV
HQ8BAf8EBAMCA4gwEwYDVR0lBAwwCgYIKwYBBQUHAwEwgZ8GA1UdHwSBlzCBlDBI
oEagRIZCaHR0cDovL2NybDMuZGlnaWNlcnQuY29tL0RpZ2lDZXJ0R2xvYmFsRzJU
TFNSU0FTSEEyNTYyMDIwQ0ExLTEuY3JsMEigRqBEhkJodHRwOi8vY3JsNC5kaWdp
Y2VydC5jb20vRGlnaUNlcnRHbG9iYWxHMlRMU1JTQVNIQTI1NjIwMjBDQTEtMS5j
cmwwgYcGCCsGAQUFBwEBBHsweTAkBggrBgEFBQcwAYYYaHR0cDovL29jc3AuZGln
aWNlcnQuY29tMFEGCCsGAQUFBzAChkVodHRwOi8vY2FjZXJ0cy5kaWdpY2VydC5j
b20vRGlnaUNlcnRHbG9iYWxHMlRMU1JTQVNIQTI1NjIwMjBDQTEtMS5jcnQwDAYD
VR0TAQH/BAIwADCCAX4GCisGAQQB1nkCBAIEggFuBIIBagFoAHYAwjF+V0UZo0Xu
fzjespBB68fCIVoiv3/Vta12mtkOUs0AAAGeM28LcwAABAMARzBFAiA+uobJcyqs
gnKiexi/MyOC9PsniYv3EwLHJ6HbrpO+zQIhAIO7sI+dIx/uhk5nPof0iwfPGHwp
kog++MreRWJ8mg9TAHUA2AlVO5RPev/IFhlvlE+Fq7D4/F6HVSYPFdEucrtFSxQA
AAGeM28LlQAABAMARjBEAiAfPAd3xLBIadycri6CoPHKoeQEsXz7rKZfuG/1ve9Q
JgIgNnoDAbK/KeDOZ53wr90zVmPa4aMp3AXPU9L+GBXELwEAdwCUTkOH+uzB74Hz
GSQmqBhlAcfTXzgCAT9yZ31VNy4Z2AAAAZ4zbwuMAAAEAwBIMEYCIQCtn6aBjCG2
FmmpHcxZ4VwDXesU75IrM6ADdyjzUuq5nwIhAKKgaZFx4OZDIduwn0Qmn+lljFhu
xILFhLKqeOyyTrhaMA0GCSqGSIb3DQEBCwUAA4IBAQBwTUto4HURL1g/9SXu3igj
c9fFkHGK3twCjlZMZdX8JqYmGv12AUq1eoMMujh1Cq69wTfIyfX/SivBvVd7kjGD
rwNuuDDKGBad+TJIXXAnXrd5fruuPqiBdRs1c9WsZvY6gWz20gliFyNNVfdePp1p
```

```
ju1HxeXsqkpbugWrXoiU9w22Hgs0qpvcGj8wh0dmdpHXpIe5JhRcAoNQGD0FnBQy
DtER9aeiLU/5BjYtPmVzA02LNkK63R1PvCVBMXTacF9+cCL17ttnCN2ZI6d9nsTs
QUmAv+eLFcz+tY6XNi5bUrAHMb6lwiUvwhDRxcjhsyZixdLN9Qe3nakWy/gyfIK/
-----END CERTIFICATE-----
 1 s:C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
   i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Mar 30 00:00:00 2021 GMT; NotAfter: Mar 29 23:59:59 2031 GMT
-----BEGIN CERTIFICATE-----
MIIEyDCCA7CgAwIBAgIQDPW9BitWAvR6uFAsI8zwZjANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBH
MjAeFw0yMTAzMzAwMDAwMDBaFw0zMTAzMjkyMzU5NTlaMFkxCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxMzAxBgNVBAMTKkRpZ2lDZXJ0IEdsb2Jh
bCBHMiBUTFMgUlNBIFNIQTI1NiAyMDIwIENBMTCCASIwDQYJKoZIhvcNAQEBBQAD
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cNsSAPonCrVXOFt9slGTcZUOakGUWzUb+nv6u8W+JDD+Vu/E832X4xT1FE3LpxDy
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3kbW20X+fSP9kOhRBx5Rol/tSUZUfyyIxfQTnJcVPAPooTncaQwywa8WV0yUR0J8
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EwEB/wQIMAYBAf8CAQAwHQYDVR0OBBYEFHSFgMBmx9833s+9KTeqAx2+7c0XMB8G
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BgNVHSUEFjAUBggrBgEFBQcDAQYIKwYBBQUHAwIwdgYIKwYBBQUHAQEEajBoMCQG
CCsGAQUFBzABhhhodHRwOi8vb2NzcC5kaWdpY2VydC5jb20wQAYIKwYBBQUHMAKG
NGh0dHA6Ly9jYWNlcnRzLmRpZ2ljZXJ0LmNvbS9EaWdpQ2VydEdsb2JhbFJvb3RH
Mi5jcnQwQgYDVR0fBDswOTA3oDWgM4YxaHR0cDovL2NybDMuZGlnaWNlcnQuY29t
L0RpZ2lDZXJ0R2xvYmFsUm9vdEcyLmNybDA9BgNVHSAENjA0MAsGCWCGSAGG/WwC
ATAHBgVngQwBATAIBgZngQwBAgEwCAYGZ4EMAQICMAgGBmeBDAECAzANBgkqhkiG
9w0BAQsFAAOCAQEAkPFwyyiXaZd8dP3A+iZ7U6utzWX9upwGnIrXWkOH7U1MVl+t
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chDYABPPTHPbqjc1qCmBaZx2vN4Ye5DUys/vZwP9BFohFrH/6j/f3IL16/RZkiMN
JCqVJUzKoZHm1Lesh3Sz8W2jmdv51b2EQJ8HmA==
-----END CERTIFICATE-----
---
Server certificate
subject=C = US, ST = California, L = Menlo Park, O = "Meta Platforms, Inc.", CN = *.instagram.com
issuer=C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: ECDSA
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 3199 bytes and written 379 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_CHACHA20_POLY1305_SHA256
Server public key is 256 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	57.144.152.1
Connect Time	34.73 ms
TTFB	647.46 ms
Total Time	647.65 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Location: https://instagram.com/",
    "2": "Content-Type: text/plain",
    "3": "Server: proxygen-bolt",
    "4": "Date: Sat, 08 Aug 2026 10:19:47 GMT",
    "5": "Connection: keep-alive",
    "6": "Content-Length: 0",
    "8": "HTTP/2 301",
    "9": "vary: Accept-Encoding",
    "10": "location: https://www.instagram.com/",
    "11": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
    "12": "x-stack: www",
    "13": "content-type: text/html; charset=\"utf-8\"",
    "14": "x-fb-debug: bcBR0iMkrgVwthXpaimJ1LFOHDPaDm4pbM9XBM0rqUw+VpmmgElGbYuErHfpvrPczWcUGGCHxHthMK+jXiX5iQ==",
    "15": "content-length: 0",
    "16": "date: Sat, 08 Aug 2026 10:19:47 GMT",
    "17": "alt-svc: h3=\":443\"; ma=86400",
    "18": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=7, rtx=0, c=16, mss=1380, tbw=3505, tp=-1, tpl=-1, uplat=161, ullat=0",
    "20": "HTTP/2 302",
    "21": "vary: Accept-Encoding",
    "22": "location: https://www.facebook.com/unsupportedbrowser",
    "23": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
    "24": "x-stack: www",
    "25": "content-type: text/html; charset=\"utf-8\"",
    "26": "x-fb-debug: 4ZDzhcqmIftjTkrON5PE1wpC+AUghgGuB0/hycBfmT+fkSfJjYDoPalZ43yP4RvSA6QX0//U/JFxMakc+TUnEg==",
    "27": "content-length: 0",
    "28": "date: Sat, 08 Aug 2026 10:19:47 GMT",
    "29": "alt-svc: h3=\":443\"; ma=86400",
    "30": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=7, rtx=0, c=16, mss=1380, tbw=3844, tp=-1, tpl=-1, uplat=162, ullat=0",
    "32": "HTTP/2 200",
    "33": "vary: Accept-Encoding",
    "34": "reporting-endpoints: coop_report=\"https://www.facebook.com/browser_reporting/coop/?minimize=0\",
default=\"https://www.facebook.com/ajax/browser_error_reports/?device_level=unknown&brsid=7671603531948011412&cpp=C3&cv=1044788042&st=1786184388055\",
permissions_policy=\"https://www.facebook.com/ajax/browser_error_reports/\"",
    "35": "report-to:
{\"max_age\":2592000,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/browser_reporting\\/coop\\/?minimize=0\"}],\"group\":\"coop_report\",\"include_subdomains\":true},
{\"max_age\":259200,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/ajax\\/browser_error_reports\\/?device_level=unknown&brsid=7671603531948011412&cpp=C3&cv=1044788042&st
{\"max_age\":21600,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/ajax\\/browser_error_reports\\/\"}],\"group\":\"permissions_policy\"}",
    "36": "content-security-policy: default-src blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net *.facebook.net *.whatsapp.com *.whatsapp.net;script-src
*.facebook.com *.fbcdn.net *.facebook.net 127.0.0.1:* 'nonce-l1fHZvGz' blob: 'self' connect.facebook.net 'unsafe-eval' https://accounts.google.com https://*.google-
analytics.com *.google.com;style-src *.fbcdn.net data: *.facebook.com 'unsafe-inline' https://accounts.google.com https://fonts.googleapis.com;connect-src
*.facebook.com facebook.com *.fbcdn.net *.facebook.net wss://*.facebook.com:* wss://*.whatsapp.com:* wss://*.fbcdn.net attachment.fbsbx.com ws://localhost:* blob:
*.cdninstagram.com 'self' http://localhost:3103 wss://gateway.facebook.com wss://edge-chat.facebook.com wss://snaptu-d.facebook.com wss://kaios-d.facebook.com/
v.whatsapp.net *.fbsbx.com *.fb.com *.instagram.com *.ipification.com https://accounts.google.com https://*.google-analytics.com;font-src data: *.facebook.com
*.fbcdn.net *.fbsbx.com https://fonts.gstatic.com;img-src *.fbcdn.net *.facebook.com data: https://*.fbsbx.com facebook.com *.cdninstagram.com fbsbx.com fbcdn.net
connect.facebook.net blob: android-webview-video-poster: *.whatsapp.net *.fb.com *.oculuscdn.com *.tenor.co *.tenor.com *.giphy.com https://trustly.one/
https://*.trustly.one/ https://paywithmybank.com/ https://*.paywithmybank.com/ https://www.googleadservices.com https://googleads.g.doubleclick.net https://*.google-
analytics.com;media-src *.cdninstagram.com blob: *.fbcdn.net *.fbsbx.com www.facebook.com *.facebook.com data: *.tenor.co *.tenor.com https://*.giphy.com;child-src
data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;frame-src *.facebook.com *.fbsbx.com fbsbx.com data: www.instagram.com *.fbcdn.net
accounts.meta.com *.accounts.meta.com *.ipification.com https://trustly.one/ https://*.trustly.one/ https://paywithmybank.com/ https://*.paywithmybank.com/
https://www.googleadservices.com https://googleads.g.doubleclick.net https://www.google.com https://td.doubleclick.net *.google.com *.doubleclick.net;manifest-src
data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;object-src data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;worker-src blob:
*.facebook.com data:;block-all-mixed-content;upgrade-insecure-requests;",
    "37": "x-frame-options: DENY",
    "38": "document-policy: force-load-at-top",
    "39": "document-policy: include-js-call-stacks-in-crash-reports",
    "40": "permissions-policy: accelerometer=(), attribution-reporting=(self), autoplay=(), bluetooth=(), browsing-topics=(self), camera=(self
\"https://www.fbsbx.com\"), ch-device-memory=(), ch-downlink=(), ch-dpr=(), ch-ect=(), ch-rtt=(), ch-save-data=(), ch-ua-arch=(), ch-ua-bitness=(), ch-viewport-
height=(), ch-viewport-width=(), ch-width=(), clipboard-read=(self), clipboard-write=(self), compute-pressure=(), display-capture=(self), encrypted-media=(self),
fullscreen=(self), gamepad=*, geolocation=(self), gyroscope=(), hid=(), idle-detection=(), interest-cohort=(self), keyboard-map=(), local-fonts=(), magnetometer=(),
microphone=(self), midi=(), otp-credentials=(), payment=(), picture-in-picture=(self), private-state-token-issuance=(), publickey-credentials-get=(self), screen-
wake-lock=(), serial=(), shared-storage=(), shared-storage-select-url=(), private-state-token-redemption=(), usb=(), unload=(self), window-management=(), xr-spatial-
tracking=(self);report-to=\"permissions_policy\"",
    "41": "cross-origin-resource-policy: same-origin",
```

```
    "42": "cross-origin-opener-policy: same-origin-allow-popups",
    "43": "pragma: no-cache",
    "44": "cache-control: private, no-cache, no-store, must-revalidate",
    "45": "expires: Sat, 01 Jan 2000 00:00:00 GMT",
    "46": "x-content-type-options: nosniff",
    "47": "x-xss-protection: 0",
    "48": "origin-agent-cluster: ?1",
    "49": "strict-transport-security: max-age=15552000; preload",
    "50": "content-type: text/html; charset=\"utf-8\"",
    "51": "x-fb-debug: ErHEGriLK4MeCGZFT6URUL0RV1YelmpkXOMBD+QlsIpPINcanm5WG2IET27K1H2843j8STd7ovFbkCS6fS994A==",
    "52": "date: Sat, 08 Aug 2026 10:19:48 GMT",
    "53": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=7, rtx=0, c=10, mss=1380, tbw=3578, tp=-1, tpl=-1, uplat=229, ullat=0",
    "54": "alt-svc: h3=\":443\"; ma=86400",
    "55": "server-timing: slb_crtt;dur=7,slb_srtt;dur=-1,slb_req_start;dur=1786184387940224,slb_srv_hdr_rcvd;dur=229237,slb_cli_body_rcvd_first;dur=-
1,slb_cli_body_rcvd_last;dur=-1,slb_conn_lat;dur=0,slb_ssl;dur=334,slb_rule_lat;dur=0"
}
```


IPv6 HTTP (port 80)

HTTP Status	200
Connected IP	2a03:2880:f17f:181:face:b00c:0:25de
Connect Time	23.2 ms
TTFB	695.67 ms
Total Time	695.86 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Location: https://instagram.com/",
    "2": "Content-Type: text/plain",
    "3": "Server: proxygen-bolt",
    "4": "Date: Sat, 08 Aug 2026 10:19:46 GMT",
    "5": "Connection: keep-alive",
    "6": "Content-Length: 0",
    "8": "HTTP/2 301",
    "9": "vary: Accept-Encoding",
    "10": "location: https://www.instagram.com/",
    "11": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
    "12": "x-stack: www",
    "13": "content-type: text/html; charset=\"utf-8\"",
    "14": "x-fb-debug: NG/5HEdNJPANAawJCSJiMMoNBma1JIio6PBj8JGDH9A9wGgS8MmQIn6RWRZUr4Qg7NNaM86VeOsk56y0FUAfeA==",
    "15": "content-length: 0",
    "16": "date: Sat, 08 Aug 2026 10:19:46 GMT",
    "17": "alt-svc: h3=\":443\"; ma=86400",
    "18": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=12, rtx=0, c=16, mss=1380, tbw=3506, tp=-1, tpl=-1, uplat=195, ullat=0",
    "20": "HTTP/2 302",
    "21": "vary: Accept-Encoding",
    "22": "location: https://www.facebook.com/unsupportedbrowser",
    "23": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
    "24": "x-stack: www",
    "25": "content-type: text/html; charset=\"utf-8\"",
    "26": "x-fb-debug: 5FVn3rkn9fvbQ+slLw8/jWGfNfCbhRjc90vDIjGsfjiQsOWp9YA9jCvyj2USz1ITUci7JGqDwO0kCyIHW+WcEA==",
    "27": "content-length: 0",
    "28": "date: Sat, 08 Aug 2026 10:19:46 GMT",
    "29": "alt-svc: h3=\":443\"; ma=86400",
    "30": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=16, mss=1380, tbw=3844, tp=-1, tpl=-1, uplat=203, ullat=0",
    "32": "HTTP/2 200",
    "33": "vary: Accept-Encoding",
    "34": "reporting-endpoints: coop_report=\"https://www.facebook.com/browser_reporting/coop/?minimize=0\",
default=\"https://www.facebook.com/ajax/browser_error_reports/?device_level=unknown&brsid=7671603524395035483&cpp=C3&cv=1044788042&st=1786184386709\",
permissions_policy=\"https://www.facebook.com/ajax/browser_error_reports/\"",
    "35": "report-to:
{\"max_age\":2592000,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/browser_reporting\\/coop\\/?minimize=0\"}],\"group\":\"coop_report\",\"include_subdomains\":true},
{\"max_age\":259200,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/ajax\\/browser_error_reports\\/?device_level=unknown&brsid=7671603524395035483&cpp=C3&cv=1044788042&st
{\"max_age\":21600,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/ajax\\/browser_error_reports\\/\"}],\"group\":\"permissions_policy\"}",
    "36": "content-security-policy: default-src blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net *.facebook.net *.whatsapp.com *.whatsapp.net;script-src
*.facebook.com *.fbcdn.net *.facebook.net 127.0.0.1:* 'nonce-xNzj1E46' blob: 'self' connect.facebook.net 'unsafe-eval' https://accounts.google.com https://*.google-
analytics.com *.google.com;style-src *.fbcdn.net data: *.facebook.com 'unsafe-inline' https://accounts.google.com https://fonts.googleapis.com;connect-src
*.facebook.com facebook.com *.fbcdn.net *.facebook.net wss://*.facebook.com:* wss://*.whatsapp.com:* wss://*.fbcdn.net attachment.fbsbx.com ws://localhost:* blob:
*.cdninstagram.com 'self' http://localhost:3103 wss://gateway.facebook.com wss://edge-chat.facebook.com wss://snaptu-d.facebook.com wss://kaios-d.facebook.com/
v.whatsapp.net *.fbsbx.com *.fb.com *.instagram.com *.ipification.com https://accounts.google.com https://*.google-analytics.com;font-src data: *.facebook.com
*.fbcdn.net *.fbsbx.com https://fonts.gstatic.com;img-src *.fbcdn.net *.facebook.com data: https://*.fbsbx.com facebook.com *.cdninstagram.com fbsbx.com fbcdn.net
connect.facebook.net blob: android-webview-video-poster: *.whatsapp.net *.fb.com *.oculuscdn.com *.tenor.co *.tenor.com *.giphy.com https://trustly.one/
https://*.trustly.one/ https://paywithmybank.com/ https://*.paywithmybank.com/ https://www.googleadservices.com https://googleads.g.doubleclick.net https://*.google-
analytics.com;media-src *.cdninstagram.com blob: *.fbcdn.net *.fbsbx.com www.facebook.com *.facebook.com data: *.tenor.co *.tenor.com https://*.giphy.com;child-src
data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;frame-src *.facebook.com *.fbsbx.com fbsbx.com data: www.instagram.com *.fbcdn.net
```

accounts.meta.com *.accounts.meta.com *.ipification.com https://trustly.one/ https://*.trustly.one/ https://paywithmybank.com/ https://*.paywithmybank.com/ https://www.googleadservices.com https://googleads.g.doubleclick.net https://www.google.com https://td.doubleclick.net *.google.com *.doubleclick.net;manifest-src data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;object-src data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;worker-src blob: *.facebook.com data:;block-all-mixed-content;upgrade-insecure-requests;",
"37": "x-frame-options: DENY",
"38": "document-policy: force-load-at-top",
"39": "document-policy: include-js-call-stacks-in-crash-reports",
"40": "permissions-policy: accelerometer=(), attribution-reporting=(self), autoplay=(), bluetooth=(), browsing-topics=(self), camera=(self \"https://www.fbsbx.com\"), ch-device-memory=(), ch-downlink=(), ch-dpr=(), ch-ect=(), ch-rtt=(), ch-save-data=(), ch-ua-arch=(), ch-ua-bitness=(), ch-viewport-height=(), ch-viewport-width=(), ch-width=(), clipboard-read=(self), clipboard-write=(self), compute-pressure=(), display-capture=(self), encrypted-media=(self), fullscreen=(self), gamepad=*, geolocation=(self), gyroscope=(), hid=(), idle-detection=(), interest-cohort=(self), keyboard-map=(), local-fonts=(), magnetometer=(), microphone=(self), midi=(), otp-credentials=(), payment=(), picture-in-picture=(self), private-state-token-issuance=(), publickey-credentials-get=(self), screen-wake-lock=(), serial=(), shared-storage=(), shared-storage-select-url=(), private-state-token-redemption=(), usb=(), unload=(self), window-management=(), xr-spatial-tracking=(self);report-to=\"permissions_policy\"",
"41": "cross-origin-resource-policy: same-origin",
"42": "cross-origin-opener-policy: same-origin-allow-popups;report-to=\"coop_report\"",
"43": "pragma: no-cache",
"44": "cache-control: private, no-cache, no-store, must-revalidate",
"45": "expires: Sat, 01 Jan 2000 00:00:00 GMT",
"46": "x-content-type-options: nosniff",
"47": "x-xss-protection: 0",
"48": "origin-agent-cluster: ?1",
"49": "strict-transport-security: max-age=15552000; preload",
"50": "content-type: text/html; charset=\"utf-8\"",
"51": "x-fb-debug: M0kW3fMxvKgtd8Giqo4OmnRGEWncsW/8MdbiezduO34COi56WRsxSPFpNkn+P9sbRTNzZmOSniKEGoc7e4APLg==",
"52": "date: Sat, 08 Aug 2026 10:19:46 GMT",
"53": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=10, mss=1380, tbw=3577, tp=-1, tpl=-1, uplat=236, ullat=0",
"54": "alt-svc: h3=\":443\"; ma=86400",
"55": "server-timing: slb_crtt;dur=1,slb_srtt;dur=-1,slb_req_start;dur=1786184386603047,slb_srv_hdr_rcvd;dur=236486,slb_cli_body_rcvd_first;dur=-1,slb_cli_body_rcvd_last;dur=-1,slb_conn_lat;dur=0,slb_ssl;dur=392,slb_rule_lat;dur=0"
}

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	163.70.137.35
Connect Time	20.79 ms
TTFB	614.09 ms
Total Time	614.27 ms

Response Headers:

{
"0": "HTTP/2 301",
"1": "vary: Accept-Encoding",
"2": "location: https://www.instagram.com/",
"3": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
"4": "x-stack: www",
"5": "content-type: text/html; charset=\"utf-8\"",
"6": "x-fb-debug: IOQ86qxd9qVfzrFNDmfCW/nNChekWresPse6LKFiolP/V2+5mUZ/3ZBvlB6igXZQSmWXOYfp5NUOfrJnHZ96Cg==",
"7": "content-length: 0",
"8": "date: Sat, 08 Aug 2026 10:19:48 GMT",
"9": "alt-svc: h3=\":443\"; ma=86400",
"10": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=7, rtx=0, c=16, mss=1380, tbw=3505, tp=-1, tpl=-1, uplat=161, ullat=0",
"12": "HTTP/2 302",
"13": "vary: Accept-Encoding",
"14": "location: https://www.facebook.com/unsupportedbrowser",
"15": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
"16": "x-stack: www",
"17": "content-type: text/html; charset=\"utf-8\"",
"18": "x-fb-debug: 85n3E/RFpGH5pJftGXdwD7DOUzjUCCO+GNx9/1T3nGU7bysdV+d+tZbQ1v5sskxdyerZWNsORXooj1T4EZNc8A==",
"19": "content-length: 0",
"20": "date: Sat, 08 Aug 2026 10:19:48 GMT",
"21": "alt-svc: h3=\":443\"; ma=86400",
"22": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=12, rtx=0, c=16, mss=1380, tbw=3844, tp=-1, tpl=-1, uplat=162, ullat=0",
"24": "HTTP/2 200",
"25": "vary: Accept-Encoding",
"26": "reporting-endpoints: coop_report=\"https://www.facebook.com/browser_reporting/coop/?minimize=0\", coep_report=\"https://www.facebook.com/browser_reporting/coep/?minimize=0\", default=\"https://www.facebook.com/ajax/browser_error_reports/?device_level=unknown&brsid=7671603531336132186&cpp=C3&cv=1044788042&st=1786184388653\", permissions_policy=\"https://www.facebook.com/ajax/browser_error_reports/\"",
"27": "report-to: {\"max_age\":2592000,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/browser_reporting\\/coop\\/?minimize=0\"}],\"group\":\"coop_report\",\"include_subdomains\":true}, {\"max_age\":86400,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/browser_reporting\\/coep\\/?minimize=0\"}],\"group\":\"coep_report\"}, {\"max_age\":259200,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/ajax\\/browser_error_reports\\/?device_level=unknown&brsid=7671603531336132186&cpp=C3&cv=1044788042&st {\"max_age\":21600,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/ajax\\/browser_error_reports\\/\"}],\"group\":\"permissions_policy\"}",
"28": "content-security-policy: default-src blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net *.facebook.net *.whatsapp.com *.whatsapp.net;script-src

*.facebook.com *.fbcdn.net *.facebook.net 127.0.0.1:* 'nonce-hbyxfsw0' blob: 'self' connect.facebook.net 'unsafe-eval' https://accounts.google.com https://*.google-analytics.com *.google.com;style-src *.fbcdn.net data: *.facebook.com 'unsafe-inline' https://accounts.google.com https://fonts.googleapis.com;connect-src *.facebook.com facebook.com *.fbcdn.net *.facebook.net wss://*.facebook.com:* wss://*.whatsapp.com:* wss://*.fbcdn.net attachment.fbsbx.com ws://localhost:* blob: *.cdninstagram.com 'self' http://localhost:3103 wss://gateway.facebook.com wss://edge-chat.facebook.com wss://snaptu-d.facebook.com wss://kaios-d.facebook.com/ v.whatsapp.net *.fbsbx.com *.fb.com *.instagram.com *.ipification.com https://accounts.google.com https://*.google-analytics.com;font-src data: *.facebook.com *.fbcdn.net *.fbsbx.com https://fonts.gstatic.com;img-src *.fbcdn.net *.facebook.com data: https://*.fbsbx.com facebook.com *.cdninstagram.com fbsbx.com fbcdn.net connect.facebook.net blob: android-webview-video-poster: *.whatsapp.net *.fb.com *.oculuscdn.com *.tenor.co *.tenor.com *.giphy.com https://trustly.one/ https://*.trustly.one/ https://paywithmybank.com/ https://*.paywithmybank.com/ https://www.googleadservices.com https://googleads.g.doubleclick.net https://*.google-analytics.com;media-src *.cdninstagram.com blob: *.fbcdn.net *.fbsbx.com www.facebook.com *.facebook.com data: *.tenor.co *.tenor.com https://*.giphy.com;child-src data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;frame-src *.facebook.com *.fbsbx.com fbsbx.com data: www.instagram.com *.fbcdn.net accounts.meta.com *.accounts.meta.com *.ipification.com https://trustly.one/ https://*.trustly.one/ https://paywithmybank.com/ https://*.paywithmybank.com/ https://www.googleadservices.com https://googleads.g.doubleclick.net https://www.google.com https://td.doubleclick.net *.google.com *.doubleclick.net;manifest-src data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;object-src data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;worker-src blob: *.facebook.com data:;block-all-mixed-content;upgrade-insecure-requests;",
    "29": "x-frame-options: DENY",
    "30": "document-policy: force-load-at-top",
    "31": "document-policy: include-js-call-stacks-in-crash-reports",
    "32": "permissions-policy: accelerometer=(), attribution-reporting=(self), autoplay=(), bluetooth=(), browsing-topics=(self), camera=(self \"https://www.fbsbx.com\"), ch-device-memory=(), ch-downlink=(), ch-dpr=(), ch-ect=(), ch-rtt=(), ch-save-data=(), ch-ua-arch=(), ch-ua-bitness=(), ch-viewport-height=(), ch-viewport-width=(), ch-width=(), clipboard-read=(self), clipboard-write=(self), compute-pressure=(), display-capture=(self), encrypted-media=(self), fullscreen=(self), gamepad=*, geolocation=(self), gyroscope=(), hid=(), idle-detection=(), interest-cohort=(self), keyboard-map=(), local-fonts=(), magnetometer=(), microphone=(self), midi=(), otp-credentials=(), payment=(), picture-in-picture=(self), private-state-token-issuance=(), publickey-credentials-get=(self), screen-wake-lock=(), serial=(), shared-storage=(), shared-storage-select-url=(), private-state-token-redemption=(), usb=(), unload=(self), window-management=(), xr-spatial-tracking=(self);report-to=\"permissions_policy\"",
    "33": "cross-origin-resource-policy: same-origin",
    "34": "cross-origin-embedder-policy-report-only: require-corp;report-to=\"coep_report\"",
    "35": "cross-origin-opener-policy: same-origin-allow-popups",
    "36": "pragma: no-cache",
    "37": "cache-control: private, no-cache, no-store, must-revalidate",
    "38": "expires: Sat, 01 Jan 2000 00:00:00 GMT",
    "39": "x-content-type-options: nosniff",
    "40": "x-xss-protection: 0",
    "41": "origin-agent-cluster: ?1",
    "42": "strict-transport-security: max-age=15552000; preload",
    "43": "content-type: text/html; charset=\"utf-8\"",
    "44": "x-fb-debug: +nCfWpEh4ujnNiGGCMgqheG90sEB7qOFVP/U0VbV7W52dGtnSBAjNWUerUDR2Xw+GvvieXl5hcydfG8q3oulwg==",
    "45": "date: Sat, 08 Aug 2026 10:19:48 GMT",
    "46": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=10, mss=1380, tbw=3577, tp=-1, tpl=-1, uplat=227, ullat=0",
    "47": "alt-svc: h3=\":443\"; ma=86400",
    "48": "server-timing: slb_crtt;dur=1,slb_srtt;dur=-1,slb_req_start;dur=1786184388558828,slb_srv_hdr_rcvd;dur=228002,slb_cli_body_rcvd_first;dur=-1,slb_cli_body_rcvd_last;dur=-1,slb_conn_lat;dur=0,slb_ssl;dur=343,slb_rule_lat;dur=0"
}

IPv6 HTTPS (port 443)

HTTP Status	200
Connected IP	2a03:2880:f17f:181:face:b00c:0:25de
Connect Time	12.51 ms
TTFB	683.76 ms
Total Time	683.91 ms

Response Headers:

{
    "0": "HTTP/2 301",
    "1": "vary: Accept-Encoding",
    "2": "location: https://www.instagram.com/",
    "3": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
    "4": "x-stack: www",
    "5": "content-type: text/html; charset=\"utf-8\"",
    "6": "x-fb-debug: 4oLQkA3XG34MYa13ssNTWQIL/PjLF5dDnTRdt/ImK2NJJrKI8mX+kED7Dzka3qYNLN8DSu/zVQQIvnmw8rWDSQ==",
    "7": "content-length: 0",
    "8": "date: Sat, 08 Aug 2026 10:19:46 GMT",
    "9": "alt-svc: h3=\":443\"; ma=86400",
    "10": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=7, rtx=0, c=16, mss=1380, tbw=3505, tp=-1, tpl=-1, uplat=194, ullat=0",
    "12": "HTTP/2 302",
    "13": "vary: Accept-Encoding",
    "14": "location: https://www.facebook.com/unsupportedbrowser",
    "15": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
    "16": "x-stack: www",
    "17": "content-type: text/html; charset=\"utf-8\"",
    "18": "x-fb-debug: MMBRUOR1lDvccYExhkE2zqeKizIVLIuzurbxks7Rlvl5sBBIR7c4BDP0zy+v5jmkI4si/cwJyoeGG+3NZOqPg==",
    "19": "content-length: 0",
    "20": "date: Sat, 08 Aug 2026 10:19:47 GMT",
    "21": "alt-svc: h3=\":443\"; ma=86400",
    "22": "x-fb-connection-quality: UNKNOWN; q=-1, rtt=-1, rtx=0, c=16, mss=1380, tbw=3844, tp=-1, tpl=-1, uplat=205, ullat=0",
    "24": "HTTP/2 200",

```
    "25": "vary: Accept-Encoding",
    "26": "reporting-endpoints: coop_report=\"https://www.facebook.com/browser_reporting/coop/?minimize=0\",
default=\"https://www.facebook.com/ajax/browser_error_reports/?device_level=unknown&brsid=7671603527037207325&cpp=C3&cv=1044788042&st=1786184387391\",
permissions_policy=\"https://www.facebook.com/ajax/browser_error_reports/\"",
    "27": "report-to:
{\"max_age\":2592000,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/browser_reporting\\/coop\\/?minimize=0\"}],\"group\":\"coop_report\",\"include_subdomains\":true},
{\"max_age\":259200,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/ajax\\/browser_error_reports\\/?device_level=unknown&brsid=7671603527037207325&cpp=C3&cv=1044788042&st
{\"max_age\":21600,\"endpoints\":[{\"url\":\"https:\\/\\/www.facebook.com\\/ajax\\/browser_error_reports\\/\"}],\"group\":\"permissions_policy\"}",
    "28": "content-security-policy: default-src blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net *.facebook.net *.whatsapp.com *.whatsapp.net;script-src
*.facebook.com *.fbcdn.net *.facebook.net 127.0.0.1:* 'nonce-RtM1lzsE' blob: 'self' connect.facebook.net 'unsafe-eval' https://accounts.google.com https://*.google-
analytics.com *.google.com;style-src *.fbcdn.net data: *.facebook.com 'unsafe-inline' https://accounts.google.com https://fonts.googleapis.com;connect-src
*.facebook.com facebook.com *.fbcdn.net *.facebook.net wss://*.facebook.com:* wss://*.whatsapp.com:* wss://*.fbcdn.net attachment.fbsbx.com ws://localhost:* blob:
*.cdninstagram.com 'self' http://localhost:3103 wss://gateway.facebook.com wss://edge-chat.facebook.com wss://snaptu-d.facebook.com wss://kaios-d.facebook.com/
v.whatsapp.net *.fbsbx.com *.fb.com *.instagram.com *.ipification.com https://accounts.google.com https://*.google-analytics.com;font-src data: *.facebook.com
*.fbcdn.net *.fbsbx.com https://fonts.gstatic.com;img-src *.fbcdn.net *.facebook.com data: https://*.fbsbx.com facebook.com *.cdninstagram.com fbsbx.com fbcdn.net
connect.facebook.net blob: android-webview-video-poster: *.whatsapp.net *.fb.com *.oculuscdn.com *.tenor.co *.tenor.com *.giphy.com https://trustly.one/
https://*.trustly.one/ https://paywithmybank.com/ https://*.paywithmybank.com/ https://www.googleadservices.com https://googleads.g.doubleclick.net https://*.google-
analytics.com;media-src *.cdninstagram.com blob: *.fbcdn.net *.fbsbx.com www.facebook.com *.facebook.com data: *.tenor.co *.tenor.com https://*.giphy.com;child-src
data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;frame-src *.facebook.com *.fbsbx.com fbsbx.com data: www.instagram.com *.fbcdn.net
accounts.meta.com *.accounts.meta.com *.ipification.com https://trustly.one/ https://*.trustly.one/ https://paywithmybank.com/ https://*.paywithmybank.com/
https://www.googleadservices.com https://googleads.g.doubleclick.net https://www.google.com https://td.doubleclick.net *.google.com *.doubleclick.net;manifest-src
data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;object-src data: blob: 'self' https://*.fbsbx.com *.facebook.com *.fbcdn.net;worker-src blob:
*.facebook.com data:;block-all-mixed-content;upgrade-insecure-requests;",
    "29": "x-frame-options: DENY",
    "30": "document-policy: force-load-at-top",
    "31": "document-policy: include-js-call-stacks-in-crash-reports",
    "32": "permissions-policy: accelerometer=(), attribution-reporting=(self), autoplay=(), bluetooth=(), browsing-topics=(self), camera=(self
\"https://www.fbsbx.com\"), ch-device-memory=(), ch-downlink=(), ch-dpr=(), ch-ect=(), ch-rtt=(), ch-save-data=(), ch-ua-arch=(), ch-ua-bitness=(), ch-viewport-
height=(), ch-viewport-width=(), ch-width=(), clipboard-read=(self), clipboard-write=(self), compute-pressure=(), display-capture=(self), encrypted-media=(self),
fullscreen=(self), gamepad=*, geolocation=(self), gyroscope=(), hid=(), idle-detection=(), interest-cohort=(self), keyboard-map=(), local-fonts=(), magnetometer=(),
microphone=(self), midi=(), otp-credentials=(), payment=(), picture-in-picture=(self), private-state-token-issuance=(), publickey-credentials-get=(self), screen-
wake-lock=(), serial=(), shared-storage=(), shared-storage-select-url=(), private-state-token-redemption=(), usb=(), unload=(self), window-management=(), xr-spatial-
tracking=(self);report-to=\"permissions_policy\"",
    "33": "cross-origin-resource-policy: same-origin",
    "34": "cross-origin-opener-policy: same-origin-allow-popups",
    "35": "pragma: no-cache",
    "36": "cache-control: private, no-cache, no-store, must-revalidate",
    "37": "expires: Sat, 01 Jan 2000 00:00:00 GMT",
    "38": "x-content-type-options: nosniff",
    "39": "x-xss-protection: 0",
    "40": "origin-agent-cluster: ?1",
    "41": "strict-transport-security: max-age=15552000; preload",
    "42": "content-type: text/html; charset=\"utf-8\"",
    "43": "x-fb-debug: J5x9IeZSLI2aEzEMC5n4FqDZ+lP823WKBhvgEaibFVu0FdOvNcZJsuZ1j7R1yaOE4u6xgZCFCy5oHWA1mFgEAg==",
    "44": "date: Sat, 08 Aug 2026 10:19:47 GMT",
    "45": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=10, mss=1380, tbw=3577, tp=-1, tpl=-1, uplat=244, ullat=0",
    "46": "alt-svc: h3=\":443\"; ma=86400",
    "47": "server-timing: slb_crtt;dur=1,slb_srtt;dur=-1,slb_req_start;dur=1786184387279090,slb_srv_hdr_rcvd;dur=244814,slb_cli_body_rcvd_first;dur=-
1,slb_cli_body_rcvd_last;dur=-1,slb_conn_lat;dur=0,slb_ssl;dur=395,slb_rule_lat;dur=0"
}
```


Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.007750 0.015664
TCP Connect IPv6 → port 80	301 0.007384 0.015017
TCP Connect IPv4 → port 443	301 0.007296 0.192576
TCP Connect IPv6 → port 443	301 0.007485 0.226201

Test Node Network Evidence

Node Profile	dual stack

Egress Connectivity

IPv4 Egress	76.13.221.142
IPv6 Egress	2a02:4780:5e:2789::1

Sysctl IPv6 Flags

net.ipv6.conf.all.disable_ipv6	0

IPv6 Routes

```
2a02:4780:5e::/48 dev eth0 proto kernel metric 256 pref medium
fd7a:115c:a1e0::1136:5807 dev tailscale0 proto kernel metric 256 pref medium
fe80::/64 dev eth0 proto kernel metric 256 pref medium
fe80::/64 dev tailscale0 proto kernel metric 256 pref medium
default via 2a02:4780:5e::1 dev eth0 proto static metric 1024 pref medium
```

IPv4 Routes

```
default via 76.13.221.254 dev eth0 proto static
10.6.101.0/24 dev wg0 scope link
10.6.102.0/24 dev wg0 scope link
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142
172.29.0.0/24 dev wg0 scope link
```