


IPv6 Readiness Report

instagram.com — instagram.com

Category: Social Media • Generated: 20 Apr 2026, 21:27 MYT • Last Checked: 07 Mar 2026, 01:15 MYT • Verification ID: 8aed6302-1b5e-4c1b-9e1a-62c10063754c

Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>

Audit trail: <https://ipv6.my6.my/audit/8aed6302-1b5e-4c1b-9e1a-62c10063754c>

 Partially Compliant <small>MGv6C-1.0</small>	83% Partial Support	IPv6-ONLY READINESS Website: ✓ Ready DNS: ✓ Ready Email: ✗ Not Ready
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IPv6 ADDRESSES 2a03:2880:f35d:22:face:b00c::4420	IPv4 ADDRESSES 157.240.236.174
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Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	meta-mnt	Facebook, Inc.
Country	IE	US
ASN	AS32934	AS32934
ASN Name	FACEBOOK - Facebook, Inc., US	FACEBOOK - Facebook, Inc., US
Network (CIDR)	2a03:2880::/29	157.240.0.0/16

Web Services (35%) 8 / 8			
#	CHECK	RESULT	DETAIL
1	AAAA Record	PASS	2a03:2880:f35d: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 — 733ms TTFB.
4	HTTPS over IPv6	PASS	HTTPS (port 443) responds over IPv6 — 695ms 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 Mar 13 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.
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	157.240.236.174
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 598ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 566ms TTFB.

Audit Trail & Evidence Record

Verification ID	8aed6302-1b5e-4c1b-9e1a-62c10063754c
Domain	instagram.com
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:14:58 MYT
Finished	07 Mar 2026, 01:15:11 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/8aed6302-1b5e-4c1b-9e1a-62c10063754c

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	902b0902fd1c32388ae0899c2f465b6a1985af0dafc21c1982a8ee54ff557582
http_headers	4e5dd79e709650495a39f3ec4fbcfb3f9f6dae6955d39219de9f8d44a3d7cc90
dns_responses	feb52fc9811b241ae14207a57095b8e732540b37f8f25eb3bbe8c680db472c88
tls_handshake	a88c7f8c3bd5cead4a3683e350965a2ad3d3aa462ce2ed17c35c368efdaa8b28
connectivity_log	edb361f9aefb379211508d2e9b4d0e887a1dbd7c54afd5c723abee36411cbfbb
dns_resolution_times	f2422854c778c9edae57796d2321fa52d53a0a29d26fff4bbe21161b7ed02b9

Test Node Identity

Os	Linux srv1440888 6.8.0-101-generic #101-Ubuntu SMP PREEMPT_DYNAMIC Mon Feb 9 10:15:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.30
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	8.76	17.02	6	15.95	-2.8
Google	IPv4	24.2	36.73	31.68	32.71	+7.5
Google	IPv6	29.82	30.43	31.01	36.37	+1.2
Cloudflare	IPv4	10.6	18.93	18.49	29.22	+7.9
Cloudflare	IPv6	26.95	31.12	25	30.95	-2

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 53049
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
instagram.com. 57.144.150.34
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 39239
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com. 486 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1772788066 1800 900 604800 900
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 50155
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
instagram.com. 5251 IN MX 10 mxa-00082601.gslb.pphosted.com.
instagram.com. 5251 IN MX 10 mxb-00082601.gslb.pphosted.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 1518
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
instagram.com. 3600 IN NS c.ns.instagram.com.
instagram.com. 3600 IN NS b.ns.instagram.com.
instagram.com. 3600 IN NS d.ns.instagram.com.
instagram.com. 3600 IN NS a.ns.instagram.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63427
;; flags: qr rd ra; QUERY: 1, ANSWER: 9, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
instagram.com. 300 IN TXT "adobe-idp-site-verification=367fda82-a8bb-46cf-9cff-0062d452d229"
instagram.com. 3600 IN TXT "facebook-domain-verification=hksvhmzcutq39t1kgpmlx11kt8314q"
instagram.com. 300 IN TXT "4cbb1b68-601f-4801-8e7f-e8f68a4a41dd"
instagram.com. 300 IN TXT "hyWdekepiNsp/V9b1JCR+wZDdzbeSurL4GqY+FLMfiN+7aeFaway0Art+kNDHeL50nGZiPNeV/iIC+l00NSVQ=="
instagram.com. 300 IN TXT "nEXgIFiBdiFAKLSMQvAhly5SA-vpsAkm5wi0dwdkrZY"
instagram.com. 300 IN TXT "google-site-verification=GGtId51KFyq0hqX2xNvt1u0P9Xp0C7k6pp9do49fCNw"
instagram.com. 300 IN TXT "ms=ms86975275"
instagram.com. 300 IN TXT "google-site-verification=_iq0Lr68Rdg7YnN2Pq0LjS65dnW0FUUXISF9R77fs5c"
instagram.com. 300 IN TXT "v=spf1 include:facebookmail.com include:_spf.fb.com -all"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 31562
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
```

```
instagram.com.006000INAAAA2a03:2880:f34b:22: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: 53212  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 512  
;; AUTHORITY SECTION:  
instagram.com.00180000IN00S0A0a.ns.instagram.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```

DNSSEC_VALIDATION

```
; unsigned answer  
instagram.com.00360000IN00S0A0a.ns.instagram.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```



```

CNb5fouNCBoBLUoSmaGLdHU+Q4Tv/vEYloCWwzGuh0aY53CAsl3I0rxWnVFcSW0h
jGLVn5/KI65WMBxobfacwQU3NeuSajsjIPEzYcLgihiR9xbxcjw3BPBsoIP7pKS
a+1daencSQkeb2qvUX0fPmc0c1kl79gCb7zqz9WXUyWZpi+p3N19qdh2oxjzLtnE
+Z4m5Pn018he4w==
-----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:PKKEY: 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-----
MIIEYDCCAC7CgAwIBAgIQDPW9BiTWAvR6uFAsI8zwZjANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGLnaUNLcnQgSW5jMRkwFwYDVQQLEXB3
d3cuZGlnaWNaWNLcnQuY29tMSAwHgYDVQDExdEawdpQ2VydCBHbG9iYWwUIm9vdCBH
MjAeFw0yMTAzMzAwMDAwMDBaFw0zMTAzMjkyMzU5NTlzMFAkCzAJBgNVBAYTAVVT
MRUwEwYDVQQKEwEaWdpQ2VydCBJbW5kZmMzAXBgnVBAMTKkRzZlZDZXJ0IEEdsb2Jh
bCBHMiiBUTFMgUeU1NBIFNIQTl1NiAyMDIwIENBMTCASiWdQYJKoZIhvcNAQEBBQAD
ggEPADCCAQoCggEBAMz3EGJPrjtjb+2QUlbf5d7ehJWivH0+dbn4Y+9LavyYEEV
cNsAPonCrvX0Ft9sLGTcZU0akGUwZUb+nv6u8W+JDD+Vu/E832X4xT1FE3LpxDy
FuqrIvAxIhFhAZAmunjZlx/jfWardUSVc8is/+9dCOPzQ+Gssjop80j812s3wWPc
3kbW20X+fSP9k0hRBx5Ro1/tSUZUfyfYxft0TnJcVPAPOotncaQwywa8WV0YUR0J8
osicfcbUTVSVQpmowQTCd5zW50T0EeAqgJnwQ3DPP3Zr0UxJqyRwg2C/Uaoq2YT
zGJSQnW5+Jr6Xl6ysGHLHx+5fwmY6D36g39HaaECAwEAACA0CAyIwggF+MBIGA1Ud
EwEB/wQIMAYBAf8CAQAwHQYDVVR0BBYEFHSGMBmX9833s+9KTeqAx2+7c0XMB8G
A1UdIwQYMBAAFE4iVCAYLebjbuYP+vg5Eu0GF485MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHSUEFjAUBgggrBgEFBQcDAQYIKwYBBQUHAwIwdgYIKwYBBQUHAQEaEjBoMCOG
CcsGAQUFBzABhhodHRwOi8vb2Nzc5kaWdpY2VydC5jb20wQAYIKwYBBQUHMAKG
NGh0dHA6Ly9jYWNlcnRzLmRrZ2ljZXJ0LmNvb5S9EawdpQ2VydEdsb2JhbFJvb3RH
Mi5jcnQwQgYDVROfBDSwOTA3oDWgM4YxaHR0cDovL2NybdMuZGlnaWNaWNLcnQuY29t
L0RzZlZDZXJ0R2xvYmF5Um9vdEcyLmNybDA9BgNVHSAENjA0MA5GCWCGSAGG/WwC
ATAHBgVngQwBATAIBgZngQwBAGwEwCAyGZ4EMAQICMAAGBmeBDAECAzANBgkqhkiG
9w0BAQsFAAOCQAQEAkPFwyyiXaZd8dP3a+iZ7U6utzW9upwGnIRXWk0H7U1MVL+t
wcWIBSAuWdH/SvWgKtiwLa3JLko716f2b4gp/DA/JIS7w7d7kwcsr4drdjPtAFVS
sIme5LnQ89/nD/7d+MS5EHKBCQRfz5eelJlJjs+aWnjXMX43AYGyZm0pGrFmCW3R
bpD0ufovARTFXFZkAdl9h6g4U5+LXUZtXMYnhIHUfoym05t558aI7Dd8KvwwVVo4
chDYABPPTHpbqjclqCmBaZx2vN4Ye5DUys/vZwP9BFohFrH/6j/f3IL16/RZkiMN
JCqVJUzKoZHm1Lesh3S28W2jmdv51b2EQJ8HmA==
-----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 3207 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

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	157.240.236.35
Connect Time	9.47 ms
TTFB	592.85 ms
Total Time	592.99 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: Fri, 06 Mar 2026 09:15:09 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: lo4H+FhJTA/tqp2BZ8qLxraAM9qoS2kenMJwfnm6ZNIgMANHglcOIU7WIrbAvsg/YXap2D7u7obudWRSZNg==",
  "15": "content-length: 0",
  "16": "date: Fri, 06 Mar 2026 09:15:09 GMT",
  "17": "alt-svc: h3=443; ma=86400",
  "18": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=16, mss=1380, tbw=3516, tp=-1, tpl=-1, uplat=162, 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: JuEdDYTESkqp+0oDhbT0dp70vc4mTaryBj+pKS2juyxiUonKdtP0kauk0/VEgblDDPJWvP0KkLXsX7P24Pi8iQ==",
  "27": "content-length: 0",
  "28": "date: Fri, 06 Mar 2026 09:15:10 GMT",
  "29": "alt-svc: h3=443; ma=86400",
  "30": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=2, rtx=0, c=16, mss=1380, tbw=3855, tp=-1, tpl=-1, uplat=161, ullat=0",
  "32": "HTTP/2 200",
  "33": "vary: Accept-Encoding",
  "34": "reporting-endpoints: coop_report=https://www.facebook.com/browser_reporting/coop/?minimize=0",
  "35": "report-to:
  {\\"max_age\\":259200,\\\"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&bsid=7614068673282689530&cpp=C3&cv=1034641024&st=1772788510208\\\"}],\\\"group\\\":\\\"permissions_policy\\\"}",
  "36": "content-security-policy: default-src blob: self https://*.fbcdn.net;script-src *.facebook.com *.fbcdn.net *.facebook.net
  127.0.0.1.* 'nonce-836t2lqY' blob: self connect.facebook.net 'unsafe-eval' https://*.google-analytics.com *.facebook.com
  'unsafe-inline' 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 *.fbcdn.net *.fb.com *.instagram.com https://*.google-analytics.com;font-src data:
  *.facebook.com *.fbcdn.net *.fbcdn.net https://fonts.gstatic.com;img-src *.fbcdn.net *.facebook.com data: https://*.fbcdn.net 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 *.fbcdn.net *.facebook.com *.facebook.com data:
  *.tenor.co *.tenor.com https://*.giphy.com;child-src data: blob: self https://*.fbcdn.net *.facebook.com *.fbcdn.net;frame-src *.facebook.com *.fbcdn.net *.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: neSGY6YkYcgYjzpg8EBhADWmq54tuFNxy5/4YEggCwGFTm23aUuJurquwN8YvU8VCsIQm03dMKeBvL0BuXA==",
"52": "date: Fri, 06 Mar 2026 09:15:10 GMT",
"53": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=10, mss=1380, tbw=3585, tp=-1, tpl=-1, uplat=234, ullat=0",
"54": "alt-svc: h3=\":443\"; ma=86400"
}
    
```

IPv6 HTTP (port 80)

HTTP Status	200
Connected IP	2a03:2880:f34c:1:face:b00c:0:25de
Connect Time	33.84 ms
TTFB	736.03 ms
Total Time	736.21 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: Fri, 06 Mar 2026 09:15:06 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: JLI6DLwL9VQa2F0I7KREtbPdm+9GTh8r/590X797ZY1E6DCSvDIbpm7wpbnAmILs7H43fZZ1+yvsv4KZyL0JLA==",
  "15": "content-length: 0",
  "16": "date: Fri, 06 Mar 2026 09:15:07 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=3514, 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: JMKjI85kmHYsKppXYL5nHh8dVfahej8xVuaU60qjWz7FIVsxdelWk2NNvkrESsef+jfLbXp+fKfIynkg+6IecAg==",
  "27": "content-length: 0",
  "28": "date: Fri, 06 Mar 2026 09:15:07 GMT",
  "29": "alt-svc: h3=\":443\"; ma=86400",
  "30": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=8, rtx=0, c=16, mss=1380, tbw=3855, tp=-1, tpl=-1, uplat=197, 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&bsid=7614068662390454478&cpp=C3&cv=1034641024&st=1772788507567",
  permissions_policy=https://www.facebook.com/ajax/browser_error_reports/,
  "35": "report-to:
  {\"max_age\":259200,\"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&bsid=7614068662390454478&cpp=C3&cv=1034641024&st=1772788507567\"}],\"group\":\":permissions_policy\"},
  "36": "content-security-policy: default-src blob: 'self' https://*.fbcdn.net *.facebook.com *.fbcdn.net;script-src *.facebook.com *.fbcdn.net *.facebook.net
  127.0.0.1.* 'nonce-rB0mDBBP' blob: 'self' connect.facebook.net 'unsafe-eval' https://*.google-analytics.com *.google.com;style-src *.fbcdn.net data: *.facebook.com
  'unsafe-inline' 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 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://trusty.one/ https://*.trusty.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: *.instagram.com *.fbcdn.net accounts.meta.com *.accounts.meta.com https://trusty.one/ https://*.trusty.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: 0eFnWIO/CZ2oarFdro8i9EoS/B5fYesEIi7zsCbcn3Rt9T9Za9/oMpdU/4Dvt1zV84jKecGdWhgGVTRD+wQ07g==",
"52": "date: Fri, 06 Mar 2026 09:15:07 GMT",
"53": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=8, rtx=0, c=10, mss=1380, tbw=3584, tp=-1, tpl=-1, uplat=238, ullat=0",
"54": "alt-svc: h3=\`:443\`; ma=86400"
}
    
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	157.240.236.35
Connect Time	7.3 ms
TTFB	589.27 ms
Total Time	589.45 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: TkTSWpV7+pi6I3xIRFetCDQcmuiPW3WkQmX3byDU7XDx0LMqJbiNGQIFnEAKiIAo2T8lFqKfjeTJqyGjtq9dzH5uERb9d2CwvPvrP+SanVnVnVhA==",
  "7": "content-length: 0",
  "8": "date: Fri, 06 Mar 2026 09:15:10 GMT",
  "9": "alt-svc: h3=\`:443\`; ma=86400",
  "10": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=16, mss=1380, tbw=3516, tp=-1, tpl=-1, uplat=162, 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: 04zw/Bilk0o/L9f03wc8aRmN5UaMfbfIL+Ao2T8lFqKfjeTJqyGjtq9dzH5uERb9d2CwvPvrP+SanVnVnVhA==",
  "19": "content-length: 0",
  "20": "date: Fri, 06 Mar 2026 09:15:11 GMT",
  "21": "alt-svc: h3=\`:443\`; ma=86400",
  "22": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=16, mss=1380, tbw=3855, tp=-1, tpl=-1, uplat=160, 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=7614068679372018060&cpp=C3&cv=1034641024&st=1772788511369\`,
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=7614068679372018060&cpp=C3&cv=1034641024&st=1772788511369\"}], \"group\": \"permissions_policy\"},
{
  \"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;script-src *.facebook.com *.fbcdn.net *.facebook.net
127.0.0.1.* 'nonce-ZZF0lc1l' blob: 'self' connect.facebook.net 'unsafe-eval' https://*.google-analytics.com *.google.com;style-src *.fbcdn.net data: *.facebook.com
'unsafe-inline' 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 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:
    
```



```
'unsafe-inline' 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 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 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: 8VB1mZnci2ygFCZexTWhmVKE0IOab3EAJC9xoDD95zVbBt0jq5BiRJYSgQW1dkdQegg2xwm87PMcUPSgf+B6fw==",
"45": "date: Fri, 06 Mar 2026 09:15:09 GMT",
"46": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=8, rtx=0, c=10, mss=1380, tbw=3584, tp=-1, tpl=-1, uplat=258, ullat=0",
"47": "alt-svc: h3=\":443\"; ma=86400"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.002624 0.004630
TCP Connect IPv6 → port 80	301 0.007434 0.015832
TCP Connect IPv4 → port 443	301 0.001999 0.184500
TCP Connect IPv6 → port 443	301 0.009005 0.234374

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
fe80::/64 dev eth0 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
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142