


IPv6 Readiness Report

instagram.com — instagram.com

Category: Social Media • Generated: 21 Apr 2026, 19:17 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 |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------|

| | |
|------------------------------------------------------------|------------------------------------------|
| IPv6 ADDRESSES 2a03:2880:f35d:22:face:b00c::4420 | IPv4 ADDRESSES 157.240.236.174 |
|------------------------------------------------------------|------------------------------------------|

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 mxh-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=hksvzhmzcutq39t1kgpmlx11kt8314q"
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
```


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/YXxap2D7u7obudWRSZNg==",
  "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.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:
  *.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";
  "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-poppers",
}
```

```

"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: neSGY6YkYcgYjzpg8EBhADWmq54tuFNnxy5/4YEggCwGFTm23aUuJurquwN8YvU8VCsIQm03dMKeBvL0BuXA==",
"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: JMKjI85kmHYsKppXYLSnHh8dVfahej8xVuaU60qjWz7FIVsxdelWk2NNvkrESsef+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\":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&bsid=7614068662390454478&cpp=C3&cv=1034641024&st=1772788507567}],\"group\": \"permissions_policy\"},
    {
    \"max_age\":21600,\"endpoints\":[{\url\":https://www.facebook.com/ajax/browser_error_reports/}],\"group\": \"\",
    "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://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: *.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;";
    }
  }
}
    
```

```

"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+pi6I3xIRFetCDQcmuiPW3WkQmX3byDU7XDx0LMqJbiNGQIFnEAKiIA0unyBCW59wSW9w9a1g==",
  "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://kaio-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.net 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 |