

IPv6 Readiness Report

instagram.com — instagram.com




Scan to verify

Category: Social Media • Generated: 13 Jun 2026, 19:05 MYT • Last Checked: 13 Jun 2026, 01:04 MYT • Verification ID: eea121af-ac97-4c58-8825-8c9c222ec49d

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

Audit trail: <https://ipv6.my6.my/audit/eea121af-ac97-4c58-8825-8c9c222ec49d>

 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:f34c:22:face:b00c::4420	IPv4 ADDRESSES 57.144.152.34
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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 — 734ms TTFB.	
4	HTTPS over IPv6	PASS	HTTPS (port 443) responds over IPv6 — 689ms 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 Jun 19 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 — 628ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 633ms TTFB.

Audit Trail & Evidence Record

Verification ID	eea121af-ac97-4c58-8825-8c9c222ec49d
Domain	instagram.com
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:03:56 MYT
Finished	13 Jun 2026, 01:04:08 MYT
Test Node Profile	ipv6 only
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/eea121af-ac97-4c58-8825-8c9c222ec49d

Integrity Verification

<p>✓ INTEGRITY VERIFIED</p>	
Algorithm	hmac-sha256-v1
Root Hash	bf87033225104768e759694a48c75e03fd6ed04baf9b7fbaf27a253c00aa40e2
http_headers	adfe0711d7f8442360c8d0e7dfa15765a6dd7449699d360f27f6a9cc91402c5f
dns_responses	dda5221ddf6ae1df72121b3bc853a76eb2eba5dd583613c261001ee81575b213
tls_handshake	779c2950dd55e30495f64277f98a65e8b546a8933d90e297d2e78b0fc1f715fb
connectivity_log	d407f8f795fa23ae748340c457e0d74ffb1b658549ff3913129c7169800acea5
dns_resolution_times	6c2973d905ebe9a6b1f62ede467754be78d0892c46c2d3ab887bf8d2db550301

Test Node Identity

Os	Linux srv1440888 6.8.0-124-generic #124-Ubuntu SMP PREEMPT_DYNAMIC Tue May 26 13:00:45 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.31
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	8.63	8.69	8.72	18.49	+0.1
Google	IPv4	25.57	33.69	33.02	34.94	+7.5
Google	IPv6	22.93	32.75	33.3	41.46	+10.4
Cloudflare	IPv4	22.28	24.67	9.15	10.29	-13.1
Cloudflare	IPv6	20.46	21.91	24.04	32.81	+3.6

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 31352
;; 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 57.144.144.34
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 5349
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com. 891 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1781283803 1800 900 604800 900
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 40362
;; 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 mxb-00082601.gslb.pphosted.com.
instagram.com. 7200 IN MX 10 mxa-00082601.gslb.pphosted.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 30792
;; 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: 45272
;; 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 "nEXgIFiBdiFAKLSMQvAhly5SA-vpsAkm5wi0wdkrzy"
instagram.com. 300 IN TXT "adobe-idp-site-verification=367fda82-a8bb-46cf-9cfff-0062d452d229"
instagram.com. 300 IN TXT "ms=ms86975275"
instagram.com. 3600 IN TXT "_yvfspgyfjcnwpopowc9qjme14c32od"
instagram.com. 300 IN TXT "4cbb1b68-601f-4801-8e7f-e8f68a4a41dd"
instagram.com. 300 IN TXT "google-site-verification=GGtId51KFyq0hqX2xNvt1u0P9Xp0C7k6pp9do49fCNw"
instagram.com. 300 IN TXT "hyWdekepiNsp/V9b1JCR+wZDdzbeSurL4GqY+FLMfiN+7aeFaway0Art+kNDHeL50nGZ1pNeV/iIC+l00NSQVQ=="
instagram.com. 300 IN TXT "v=spf1 include:facebookmail.com include:_spf.fb.com -all"
instagram.com. 3600 IN TXT "facebook-domain-verification=hksvhmzcutq39t1kgpmlx11kt8314q"
instagram.com. 300 IN TXT "google-site-verification=_iQgLR68Rdg7YnN2Pq0LjSG5dnW0FUUXISF9R77fs5c"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 23516
;; 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: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: 21070
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
instagram.com. 3594 IN SOA a.ns.instagram.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```

DNSSEC_VALIDATION

```
; unsigned answer
instagram.com. 3594 IN SOA a.ns.instagram.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```



```

5z/UF6D/02Pz5gZ+GLir/YzMaQNLjVDdkM1oVkrhvvJkwD9qaMrkzx9yz/IgzTZS
sQQ9NEWBxtl01fSYtyd2I0YhAAyXjM3Vgzwb13DXIX2Rm6LnoaqWEy2f6iA9v3n
6GMULZJays+PT74u51jsBJeURj0DTJL32DCHyJTVI0nda54b7t9UUUFuYMiV6pbe5
kw==
-----END CERTIFICATE-----
  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-----
MIIEYDCA7CgAwIBAgIQDPW9Bi1WAvR6uFAsI8zwZjANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGLnaUNLcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNLcnQuY29tMSAwHgYDVQDExdEawdpQ2VydCBHbG9iYWwU9vdCBH
MjAeFw0yMTAzMzAwMDAwMDBaFw0yMTAzMjkyMzU5NTlMaFkxOzA5BjBvBAYTAVT
MRUwEwYDVQQKEwEawDpQ2VydCBJbmMzAxAgNBAMTKkRpZ2LDXJ0IEEdsb2Jh
bCBHMmIUBTFTMgU1NBIFNIQTl1NiAyMDIwIENBMTCASiIwDQYJKoZIhvcNAQEBBQAD
ggEPADCCAQoCggEBAMz3EGJPrjtjb+2QUlbf5d7ehJWivH0+dbn4Y+9LavyYEEV
cNsAPonCrVX0Ft9sLGTcZU0akGUWzUb+nv6u8W+JDD+Vu/E832X4xT1FE3LpDy
FuqrIvAxIhFhAZAmunjZlx/jfWardUSVc8is/+9dCOPzQ+Gssjop80j812s3wWPc
3kbW20X+fSP9k0hRBx5Ro1/tSUZUfyfXf0TnJcVPAPOoTncaQwywa8WV0YUR0J8
osicfcbUTVSVQpmowQTCd5zWS0T0EeAqgJnwQ3DPP3Zr0UxJqyRwg2C/Uaoq2YT
zGJSQnW5+Jr6XL6ysGHLHx+5fwmY6D36g39HaaECAwEAACA0CAyIwggF+MBIGA1Ud
EwEB/wQIMAYBAf8CAQAwHQYDVVR0BBYEFHSGMBmX9833s+9KTeqAx2+7c0XMB8G
A1UdIwQYMBAAFE4iVCAYLebjbuYP+vg5Eu0GF485MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHSEUfjAUBgggRBgEFBQcDAQYIKwYBBQUHAwIwdgYIKwYBBQUHAQEaEjBoMCOG
C5sGAQUFBzABhhodHRwOi8vb2Nzc5kaWdpY2VydC5jb20wQAYIKwYBBQUHMAKG
NGh0dHA6Ly9jYWNlcnRzLmRrZ21jZXJ0LmNvb5S9EawDpQ2VydEdsb2JhbFJvb3RH
Mi5jcnQwQgYDVR0fBDswOTA3oDWgM4YxaHR0cDovL2NybmMuZGlnaWNLcnQuY29t
L0RrZ21DZXJ0R2xvYmF5Um9vdEcyLmNybDA9BgNVHSAENjA0MA5GCWCGSAGG/WwC
ATAHBgVngQwBATAIBgZngQwBAGwEwCAyGZ4EMAQICMAAGBmeBDAECAzANBgkqhkiG
9w0BAQsFAAOCQAQEPFwyY1XaZd8dP3A+iZ7U6utzW9upwGnIrXWk0H7U1MVL+t
wcWIBSAuWdH/SvWgKtiwLa3JLko716f2b4gp/DA/JIS7w7d7kwcsr4drdjPtAFVS
s1me5LnQ89/nD/7d+MS5EHKBCQRfz5eelJ1jjs+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 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

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	163.70.137.35
Connect Time	22.47 ms
TTFB	596.53 ms
Total Time	596.71 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, 12 Jun 2026 17:04:07 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: 0VAbKt4j06sU+yqk6eSuoBfuzw3nlf08kpiQRqSdsvyhuBxv3T/9W3wRVgZN6gyBLYc5pDgynSXwXiDXms/WQ==",
  "15": "content-length: 0",
  "16": "date: Fri, 12 Jun 2026 17:04:07 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=3506, tp=-1, tpl=-1, uplat=159, 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: XQhNyhRv03ao5JyvjlulFP3U14BmwlYQ3GFwKf/HJZbxRwTwXn+ovCIkmHWJXM5atouQJJ05fKEu3yLXrtu0Aw==",
  "27": "content-length: 0",
  "28": "date: Fri, 12 Jun 2026 17:04:07 GMT",
  "29": "alt-svc: h3=443; ma=86400",
  "30": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=6, rtx=0, c=16, mss=1380, tbw=3844, tp=-1, tpl=-1, uplat=165, 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&brsid=7650555867890364724&cpp=C3&cv=1041357421&st=1781283847691\\\"}],\\\"group\\\":\\\"permissions_policy\\\"}",
  "36": "content-security-policy: default-src blob: 'self' https://*.fbcdn.net *.facebook.net *.whatsapp.com *.whatsapp.net;script-src
  *.facebook.com *.fbcdn.net *.facebook.net 127.0.0.1:* 'nonce-vK6VnjKT' 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 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 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-locks=(), 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: PLM+ymeN0IxQdB3T2Hka9MEDIUoYAHZCYumyR+sf3ZB5IuiLopGEZMKdJYe9fAKiGg9d5kfb1RxopvXvERXnw==",
"52": "date: Fri, 12 Jun 2026 17:04:07 GMT",
"53": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=10, mss=1380, tbw=3599, tp=-1, tpl=-1, uplat=208, ullat=0",
"54": "alt-svc: h3=443; ma=86400"
}
    
```

IPv6 HTTP (port 80)

HTTP Status	200
Connected IP	2a03:2880:f17f:181:face:b00c:0:25de
Connect Time	28.45 ms
TTFB	715.84 ms
Total Time	716.07 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, 12 Jun 2026 17:04:05 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: DTK8uT0Si7Etu0DFopRkKZCubqgBLfF3CWeITzwn/QQvaeusUEVJHLDooRfFXRiPZ7VbF0SdVaJm0H6EMG/c+A==",
  "15": "content-length: 0",
  "16": "date: Fri, 12 Jun 2026 17:04:05 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=184, 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: 3goxrKJMT4XgT49Khz0CiwsB+SpFMMdVkjPkCBNetjpoYI6rXjZ1jKF8DLF4v0F3Rs+urhIj+54mSvf21u3HA==",
  "27": "content-length: 0",
  "28": "date: Fri, 12 Jun 2026 17:04:06 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=190, 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=7650555864849575192&cpp=C3&cv=1041357421&st=1781283846380,
  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/\"
      }
    ],
    \"group\":\"permissions_policy\"
  },
  "36": "content-security-policy: default-src blob: 'self' https://*.fbcdn.net *.facebook.com *.fbcdn.net *.facebook.net *.whatsapp.com *.whatsapp.net;script-src *.facebook.com *.fbcdn.net *.facebook.net 127.0.0.1: * 'nonce-JamBqsIm' blob: 'self' connect.facebook.net 'unsafe-eval' https://accounts.google.com https://*.google-analytics.com *.google.com;style-src *.fbcdn.net *.facebook.com data: https://*.fbcdn.net *.facebook.com *.cdninstagram.com *.fbcdn.net connect.facebook.net blob: *.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://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://*.fbcdn.net *.facebook.com *.cdninstagram.com *.fbcdn.net *.facebook.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 *.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 *.fbcdn.net *.facebook.com *.fbcdn.net *.facebook.com *.fbcdn.net *.facebook.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'
    
```



```
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 *.facebook.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://*.fbcdn.net *.facebook.com *.fbcdn.net;object-src data: blob: 'self' https://*.fbcdn.net *.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-poppers",
"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: Dtw1sBFBVEnoqWDEjNF0P6ZwXm9/WsapQH73/FGU47CfNvQbN+AZfnYLBZRej1PV+ImB9/8Pj68GtK3opv+dg==",
"44": "date: Fri, 12 Jun 2026 17:04:08 GMT",
"45": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=2, rtx=0, c=10, mss=1380, tbw=3578, tp=-1, tpl=-1, uplat=230, ullat=0",
"46": "alt-svc: h3=\":443\"; ma=86400"
}
```

IPv6 HTTPS (port 443)

HTTP Status	200
Connected IP	2a03:2880:f17f:181:face:b00c:0:25de
Connect Time	20.98 ms
TTFB	693 ms
Total Time	693.19 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: wr1Tw0VYa9zA8dIUcDPEchNHqXl1XNuNE0mXh4Ea6WCM4600WIVmuVNSgywvpaaj4YV/06BwWF0B0b/4gw==",
  "7": "content-length: 0",
  "8": "date: Fri, 12 Jun 2026 17:04:06 GMT",
  "9": "alt-svc: h3=\":443\"; ma=86400",
  "10": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=14, rtx=0, c=16, mss=1380, tbw=3506, tp=-1, tpl=-1, uplat=190, 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: 0r6+AvWc+9scTyFPYLMoUDsR5R5sLuv56IgzniU6VkjH6BFSW8UxAReZmUzDxcscr4n6pLqkKXqZSovYydw==",
  "19": "content-length: 0",
  "20": "date: Fri, 12 Jun 2026 17:04:06 GMT",
  "21": "alt-svc: h3=\":443\"; ma=86400",
  "22": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=7, rtx=0, c=16, mss=1380, tbw=3844, tp=-1, tpl=-1, uplat=184, 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&bsid=7650555868418057536&cpp=C3&cv=1041357421&st=1781283847072\\"",
  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&bsid=7650555868418057536&cpp=C3&cv=1041357421&st=1781283847072\\"}],\\"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 *.facebook.net *.whatsapp.com *.whatsapp.net;script-src
```

```
*.facebook.com *.fbcdn.net *.facebook.net 127.0.0.1:* 'nonce-xMHsJv5Q' 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 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 *.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-opener-policy: same-origin-allow-poppers;report-to=\\\"coop_report\\\"\",
"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: fVD1ejN/498HRWG/mJ0Meh0Uxz7ibSCDmL3DHbiP/fwAnz0daymzSpySvtsmjp9pYI5uK/P/k6JWrnexkyPrdQ==",
"44": "date: Fri, 12 Jun 2026 17:04:07 GMT",
"45": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=6, rtx=0, c=10, mss=1380, tbw=3577, tp=-1, tpl=-1, uplat=253, ullat=0",
"46": "alt-svc: h3=\\\"443\\\"; ma=86400"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.007050 0.016615
TCP Connect IPv6 → port 80	301 0.008170 0.016359
TCP Connect IPv4 → port 443	301 0.008260 0.209274
TCP Connect IPv6 → port 443	301 0.008117 0.226105

Test Node Network Evidence

Node Profile	ipv6 only
--------------	-----------

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