

IPv6 Readiness Report

x.com — x.com



Scan to verify

Category: Social Media • Generated: 04 Jul 2026, 22:40 MYT • Last Checked: 04 Jul 2026, 03:23 MYT • Verification ID: edbf70a7-9e5d-40b3-a016-f791a0892492

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

Audit trail: <https://ipv6.my6.my/audit/edbf70a7-9e5d-40b3-a016-f791a0892492>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>32%</p> <p>No IPv6 Support</p>	<p>IPv6-ONLY READINESS</p> <p>Website: X Not Ready</p> <p>DNS: X Not Ready</p> <p>Email: X Not Ready</p>
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<p>IPv4 ADDRESSES</p> <p>151.101.66.146</p>
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Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Fastly, Inc.
Country	US
ASN	AS54113
ASN Name	FASTLY - Fastly, Inc., US
Network (CIDR)	151.101.0.0/16

Web Services (35%)				0 / 8
#	CHECK	RESULT	DETAIL	
1	AAAA Record	FAIL	No AAAA record found in DNS.	
2	Globally Routable IPv6	FAIL	IPv6 address is not globally routable.	
3	HTTP over IPv6	FAIL	HTTP is not accessible over IPv6.	
4	HTTPS over IPv6	FAIL	HTTPS is not accessible over IPv6.	
5	IPv6-Only Reachability	FAIL	Site is not reachable when limited to IPv6-only.	
6	TLS Certificate Valid (IPv6)	FAIL	TLS certificate is invalid, expired, or hostname mismatch over IPv6.	
7	Dual-Stack (IPv4 + IPv6)	FAIL	Domain is IPv6-only or IPv4-only.	
8	HTTP/3 (QUIC)	FAIL	No HTTP/3 support detected.	

DNS & DNSSEC (25%)				0 / 5
#	CHECK	RESULT	DETAIL	
1	NS Has AAAA Record	FAIL	No nameserver has an AAAA record.	
2	NS Reachable via IPv6	FAIL	No nameserver is reachable over IPv6.	
3	NS Answers Queries via IPv6	FAIL	Nameserver does not answer queries over IPv6.	
4	DNSSEC Validated	FAIL	DNSSEC validation failed or zone is unsigned.	
5	Reverse DNS (PTR)	FAIL	No PTR record found.	
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%) 4 / 6

#	CHECK	RESULT	DETAIL
1	MX Record Exists	PASS	MX record found.
2	MX Server Has IPv6	PASS	MX server has AAAA record.
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	DKIM selector found: google._domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	151.101.66.146
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 288ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 314ms TTFB.

Audit Trail & Evidence Record

Verification ID	edbf70a7-9e5d-40b3-a016-f791a0892492
Domain	x.com
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:23:05 MYT
Finished	04 Jul 2026, 03:23:32 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/edbf70a7-9e5d-40b3-a016-f791a0892492

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	8c2298f2f6c5464cb3e0235e9c2fa515980a5b75d1ccff8295c8bd738f42c0aa
http_headers	90faaa07bd2d26705fba9aadf34d94cf54c0dfd17ee10db158c242383a666484
dns_responses	cb02df71ead9c1dd9797fa2263ac2ffb17ac3354e96488926653528dd890b736
tls_handshake	1c72d21f1278ccbdf624943188847f649fcd8df7c2377f19c3299438348d5c4
connectivity_log	0f84fd483c2dcbdb2bad6a7ba29f88e735369762264d23a28db6a607f03bc98a
dns_resolution_times	6cb0985b635c80b585c4ec09af8f034ba40a6188d8f250d945973bd9bcc37a1b

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	8.3.32
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	17.55	21.89	28.46	39	+10.9
Google	IPv4	17.17	23.15	16.48	21.09	-0.7
Google	IPv6	27.82	29.82	24.23	25.32	-3.6
Cloudflare	IPv4	23.22	27.62	26.98	33.07	+3.8
Cloudflare	IPv6	22.39	24.25	20.84	34.29	-1.6

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 57219
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
x.com. 300 IN A 172.66.0.227
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 62551
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com. 895 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1783106591 1800 900 604800 900
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 51336
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
x.com. 300 IN MX 10 alt3.aspmx.l.google.com.
x.com. 300 IN MX 10 alt4.aspmx.l.google.com.
x.com. 300 IN MX 5 alt1.aspmx.l.google.com.
x.com. 300 IN MX 5 alt2.aspmx.l.google.com.
x.com. 300 IN MX 1 aspmx.l.google.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 21677
;; flags: qr rd ra; QUERY: 1, ANSWER: 8, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
x.com. 13999 IN NS d.u10.twtrdns.net.
x.com. 13999 IN NS a.r10.twtrdns.net.
x.com. 13999 IN NS a.u10.twtrdns.net.
x.com. 13999 IN NS b.r10.twtrdns.net.
x.com. 13999 IN NS b.u10.twtrdns.net.
x.com. 13999 IN NS c.r10.twtrdns.net.
x.com. 13999 IN NS c.u10.twtrdns.net.
x.com. 13999 IN NS d.r10.twtrdns.net.
```

TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 53368
;; flags: qr rd ra; QUERY: 1, ANSWER: 20, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
x.com. 300 IN TXT "stripe-verification=46f7b88485621dc18923b43d12e90e6cDBCE232f2FEBcf084E6EFA91F6BA707D"
x.com. 300 IN TXT "v=spf1 ip4:199.16.156.0/22 ip4:199.59.148.0/22 include:_spf.google.com include:_oerp.x.com include:phx1.rp.oracleemaildelivery.com include:iad1.rp.oracleemaildelivery.com -all"
x.com. 300 IN TXT "3089463"
x.com. 300 IN TXT "_w548xslkfxtlqk3jyx19bzwk34c473i"
x.com. 300 IN TXT "adobe-idp-site-verification=ab4d9ce3473a73e81f46238da34ea4967fd5ac80e5c43fbfa8dff46d06a5321c"
x.com. 300 IN TXT "adobe-sign-verification=c693a744ee2d282a36a43e6e724c5ea"
x.com. 300 IN TXT "apple-domain-verification=sEij6tJOW11fVnRG"
x.com. 300 IN TXT "atlassian-domain-verification=j6u0o1PTKobCXC84uEF/sWpIPtaZURBVYqKzmTvT8wugLcHT1vvrzzA63iP1qSLN"
x.com. 300 IN TXT "atlassian-sending-domain-verification=bd424180-8645-4de5-bd6a-285479c7577a"
x.com. 300 IN TXT "figma-domain-verification=ee8420edd01965ba297f3438c907cfc6fbbaalee90a07b28f28bcfca8e6017bb-1729630998"
```

```
x.com. 000300 IN TXT "google-site-verification=8yQmoVhQedzlt36RPeQP41ytrEFk9aHEnde_xm0626g"
x.com. 000300 IN TXT "google-site-verification=BT51mebIp7CbI7Qy_5Qg6LJLSBrLuCGQ_oznVAgfgKA"
x.com. 000300 IN TXT "google-site-verification=F6u9mGL--d2lLlJvH3b1UUGXtevQPdcamKr9c8914A"
x.com. 000300 IN TXT "google-site-verification=isX7U92-gLht5aKvjaPvQ9tWaxoqREy8agpA0cqlfIE"
x.com. 000300 IN TXT "google-site-verification=lEzNYWieV7-UbDJafAm0u_RvNFb7GGqIYWAP4JmG5qs"
x.com. 000300 IN TXT "google-site-verification=rRGYL0ADDbtUYJTgd8GEDm0PwPZExviDSaSH4JLR8Q"
x.com. 000300 IN TXT "google-site-verification=reUF-TgZq93ZGtzImw42sfYgLI2hy0QiGRmfc4jeKbs"
x.com. 000300 IN TXT "kkl13qb3tcrmdhfsm803p67r0my0svs8"
x.com. 000300 IN TXT "shopify-verification-code=cUZazKrqCWgcshrcGvgfFR1lieuhRF"
x.com. 000300 IN TXT "slack-domain-verification=Csk4bjCPFnJaDLLaKFUwCTFuUpCVvnyLAm2Tba0i"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 15689
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
x.com. 000276 IN SOA a.u10.twtrdns.net. noc.twitter.com. 2023121201 3600 600 604800 300
```

RRSIG

```
a.u10.twtrdns.net. noc.twitter.com. 2023121201 3600 600 604800 300
```

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 21948
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
x.com. 000276 IN SOA a.u10.twtrdns.net. noc.twitter.com. 2023121201 3600 600 604800 300
```

DNSSEC_VALIDATION

```
; unsigned answer
x.com. 000276 IN SOA a.u10.twtrdns.net. noc.twitter.com. 2023121201 3600 600 604800 300
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	500
Connected IP	151.101.66.146
Connect Time	1.08 ms
TTFB	273.94 ms
Total Time	274 ms

Response Headers:

```
[
  "HTTP/1.1 500 Internal Server Error",
  "Connection: keep-alive",
  "Content-Length: 0",
  "cache-control: no-cache, no-store, max-age=0",
  "server: envoy",
  "Accept-Ranges: bytes",
  "Date: Fri, 03 Jul 2026 19:23:31 GMT",
  "Via: 1.1 varnish",
  "X-Served-By: t4_p, cache-kul9824-KUL",
  "X-Cache: MISS",
  "X-Cache-Hits: 0",
  "Strict-Transport-Security: max-age=300",
  "x-response-time: 0"
]
```

IPv4 HTTPS (port 443)

HTTP Status	403
Connected IP	151.101.66.146
Connect Time	0.81 ms
TTFB	305.66 ms
Total Time	305.69 ms

Response Headers:

```
[
  "HTTP/2 403",
  "perf: 7402827104",
  "server: envoy",
  "set-cookie: guest_id_marketing=v1%3A178310661144249573; Max-Age=63072000; Expires=Sun, 02 Jul 2028 19:23:31 GMT; Path=/; Domain=.x.com; Secure; SameSite=None",
  "set-cookie: guest_id_ads=v1%3A178310661144249573; Max-Age=63072000; Expires=Sun, 02 Jul 2028 19:23:31 GMT; Path=/; Domain=.x.com; Secure; SameSite=None",
  "set-cookie: personalization_id=\"v1_AKDD+btGgy/hD/tE5wRVdA=\"; Max-Age=63072000; Expires=Sun, 02 Jul 2028 19:23:31 GMT; Path=/; Domain=.x.com; Secure; SameSite=None",
  "set-cookie: guest_id=v1%3A178310661144249573; Max-Age=63072000; Expires=Sun, 02 Jul 2028 19:23:31 GMT; Path=/; Domain=.x.com; Secure; SameSite=None",
  "x-powered-by: Express",
  "cache-control: no-cache, no-store, max-age=0",
  "x-transaction-id: bfaca90f8070dd4b",
  "accept-ranges: bytes",
  "date: Fri, 03 Jul 2026 19:23:31 GMT",
  "via: 1.1 varnish",
  "x-served-by: t4_p, cache-kul9822-KUL",
  "x-cache: MISS",
  "x-cache-hits: 0",
  "vary: Accept-Encoding",
  "strict-transport-security: max-age=300",
  "x-response-time: 6"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	500 0.000979 0.295814
TCP Connect IPv4 → port 443	200 0.002405 0.321870

Test Node Network Evidence

Node Profile	dual stack
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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
10.6.101.0/24 dev wg0 scope link
10.6.102.0/24 dev wg0 scope link
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142
172.29.0.0/24 dev wg0 scope link
```