

IPv6 Readiness Report

reddit.com — reddit.com



Scan to verify

Category: Social Media • Generated: 04 Jul 2026, 22:40 MYT • Last Checked: 04 Jul 2026, 03:24 MYT • Verification ID: 872984a8-58ca-4b59-813b-a3e64ac45da7

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

Audit trail: <https://ipv6.my6.my/audit/872984a8-58ca-4b59-813b-a3e64ac45da7>



Partially Compliant

MGv6C-1.0

73%

Partial Support

IPv6-ONLY READINESS

Website: ✗ Not Ready

DNS: ✓ Ready

Email: ✗ Not Ready

IPv6 ADDRESSES

2a04:4e42:400::396

2a04:4e42::396

2a04:4e42:600::396

2a04:4e42:200::396

IPv4 ADDRESSES

151.101.1.140

151.101.65.140

151.101.129.140

151.101.193.140

Network Information (WHOIS / RDAP)

IPv6 Network	
Organization	FASTLY
Country	US
ASN	AS54113
ASN Name	FASTLY - Fastly, Inc., US
Network (CIDR)	2a04:4e40::/29

Web Services (35%) 6 / 8			
#	CHECK	RESULT	DETAIL
1	AAAA Record	PASS	2a04:4e42:400::396, 2a04:4e42::396, 2a04:4e42:600::396, 2a04:4e42:200::396
2	Globally Routable IPv6	PASS	All addresses are globally routable.
3	HTTP over IPv6	PASS	HTTP (port 80) responds over IPv6 — 5ms TTFB.
4	HTTPS over IPv6	PASS	HTTPS (port 443) responds over IPv6 — 8ms TTFB.
5	IPv6-Only Reachability	FAIL	Site is not reachable when limited to 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 Oct 4 23:59:59 2026 GMT
7	Dual-Stack (IPv4 + IPv6)	PASS	Domain has both A and AAAA records.
8	HTTP/3 (QUIC)	FAIL	No HTTP/3 support detected.

DNS & DNSSEC (25%) 3 / 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)	FAIL	No PTR record found.

#	CHECK	RESULT	DETAIL
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%) 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	151.101.1.140, 151.101.65.140, 151.101.129.140, 151.101.193.140
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 3ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 11ms TTFB.

Audit Trail & Evidence Record

Verification ID	872984a8-58ca-4b59-813b-a3e64ac45da7
Domain	reddit.com
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:23:53 MYT
Finished	04 Jul 2026, 03:24:18 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/872984a8-58ca-4b59-813b-a3e64ac45da7

Integrity Verification

<p>✓ INTEGRITY VERIFIED</p>	
Algorithm	hmac-sha256-v1
Root Hash	4410ba70c6c42885e3c412dc9f3109d544f5c864ab91dbd15001050323e95ae8
http_headers	39db3b72ff5486a1a408c90719a725987210021160dfa381c90ab762ac7636e2
dns_responses	b07ae8167bd91b14c40720b9b9e491a0945cd3f77792c3100b5eb87f7a063060
tls_handshake	3f091c4c183ca79c6c8bdd73b0f0348c8d09e378bf5637d2c9fffb494b1169d9f
connectivity_log	b0f89864e06fe75fcc815bf6183797157dda0c8e23ce2889ea3cd3634cd003d
dns_resolution_times	024b439d693362f5254461c1e9cb07a74ea70f09d77edb660ee81f21ae9a725

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	18.65	23.91	18.17	26.18	-0.5
Google	IPv4	23.12	23.57	17.38	26.94	-5.7
Google	IPv6	29.2	35.4	29.92	32.32	+0.7
Cloudflare	IPv4	15.7	18.73	16.16	25.88	+0.5
Cloudflare	IPv6	22.11	33.79	30.39	33.52	+8.3

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 43275
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
reddit.com. 300 IN A 151.101.1.140
reddit.com. 300 IN A 151.101.65.140
reddit.com. 300 IN A 151.101.193.140
reddit.com. 300 IN A 151.101.129.140
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 17960
;; 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. 1783106636 1800 900 604800 900
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 56521
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
reddit.com. 300 IN MX 5 alt1.aspmx.l.google.com.
reddit.com. 300 IN MX 5 alt2.aspmx.l.google.com.
reddit.com. 300 IN MX 1 aspmx.l.google.com.
reddit.com. 300 IN MX 10 aspmx2.googlemail.com.
reddit.com. 300 IN MX 10 aspmx3.googlemail.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 62101
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
reddit.com. 86400 IN NS ns-378.awsdns-47.com.
reddit.com. 86400 IN NS ns-557.awsdns-05.net.
reddit.com. 86400 IN NS ns-1029.awsdns-00.org.
reddit.com. 86400 IN NS ns-1887.awsdns-43.co.uk.
```

TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 64718
;; flags: qr rd ra; QUERY: 1, ANSWER: 28, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
reddit.com. 3600 IN TXT "yahoo-verification-key=I0We5FayJi008XdjDgE5oN0ujM08heSve46o/FvsMkk="
reddit.com. 3600 IN TXT "00DV90000052YKT=1TBV90000000AsD"
reddit.com. 3600 IN TXT "00Dbf0000050CRL=1TBbf0000000Mjt"
reddit.com. 3600 IN TXT "00Dbf0000050CTN=1TBbf0000000Mer"
reddit.com. 3600 IN TXT "00Do0000000I6Pa=1TBcv0000000HQh"
reddit.com. 3600 IN TXT "614ac4be-8664-4cea-8e29-f84d08ad875c"
reddit.com. 3600 IN TXT "MS=ms71041902"
reddit.com. 3600 IN TXT "a5897185-49e1-4181-9065-51bd24737466"
reddit.com. 3600 IN TXT "apple-domain-verification=qC3rS5Krh10DoMI7"
reddit.com. 3600 IN TXT "atlassian-domain-verification=aGWDxGvt+oY3p7qTwt5v2uJDV3koJAeHxwGqKmqGLMEsUXUJJe/Pm/k+GGNpPn6M"
reddit.com. 3600 IN TXT "atlassian-domain-verification=vBaV6Pxyyu40APLiQFbxFMCboSTjoR/qxKJ20lpI46ZEpZL/FVTIfMlgoM5Hy9eY"
reddit.com. 3600 IN TXT "box-domain-verification=95c33f4ee4b11d8827190dbc5371ca7df25b961019116e5565ce4aa36de9be3a"
```

```

reddit.com.[]3600[]IN[]TXT[]"cursor-domain-verification-f9fw38=WVB8yAMGTZX07Je9DLuj1DIzB"
reddit.com.[]3600[]IN[]TXT[]"docusign=6ba0c5a9-5a5e-41f8-a7c8-8b4c6e35c10c"
reddit.com.[]3600[]IN[]TXT[]"google-site-verification=0uv13-wxLHK8FFKaUgpyrVml1YdNYW6v3PupLdw3JI"
reddit.com.[]3600[]IN[]TXT[]"google-site-verification=5Qzlk18HJJ5BKnMI7rQGD9Sgii4Ey6kLx1rWQCJ2M"
reddit.com.[]3600[]IN[]TXT[]"google-site-verification=0Q4VY1PRzSG-MxiQn3j0kxd_ZaFjcTk6MWBfKru0_5I"
reddit.com.[]3600[]IN[]TXT[]"google-site-verification=oh_YJE560y0e6FHP1RT7NIjyTLBhACNMVd2EgSss0sc"
reddit.com.[]3600[]IN[]TXT[]"google-site-verification=zHozYbAJmSLOMG40jQFoHiVqkxtdgvyBzsE7wUGfiw"
reddit.com.[]3600[]IN[]TXT[]"jamf-site-verification=EGK11tNR4hezQg0jZaIDpA"
reddit.com.[]3600[]IN[]TXT[]"jetbrains-domain-verification=bjn7o9fxbduga0omhaepeewtx"
reddit.com.[]3600[]IN[]TXT[]"onetrust-domain-verification=6b98ba3dd087405399bbf45b6cbdc37"
reddit.com.[]3600[]IN[]TXT[]"postman-domain-
verification=ad4c89daaf83d06f70cb6e8737cb323b039aeaae9e0e288c75081b0a715812a2d30e7c31402da867c70287ad8216da42074ffe7b4fcfbf86f9316301329308f"
reddit.com.[]3600[]IN[]TXT[]"protonmail-verification=24cb91442caf54c8b820f4a0347292f143531210"
reddit.com.[]3600[]IN[]TXT[]"stripe-verification=80aa7e2c9775fee2653f61b04b46da6fd227b56fec9499e5f63cd0dcf563984"
reddit.com.[]3600[]IN[]TXT[]"stripe-verification=9bd70dd1884421b47f596fea301e1483c9825cdba5b209990968fdc6f8010c7"
reddit.com.[]3600[]IN[]TXT[]"twilio-domain-verification=5e37855d7c9445e967b31c5e0371ebb5"
reddit.com.[]3600[]IN[]TXT[]"v=spf1 include:amazonses.com include:_spf.google.com include:19922862.spf01.hubspotemail.net include:reddit.deliver.highspot.com
exists:%{i}._spf.mta.salesforce.com ip4:103.151.192.0/23 ip4:185.12.80.0/22 " "ip4:188.172.128.0/20 ip4:192.161.144.0/20 ip4:216.198.0.0/18 include:sent-
via.netsuite.com ip4:52.50.24.208 ip4:35.174.145.124 ~all"

```

AAAA

```

;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14429
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
reddit.com.[]300[]IN[]AAAA[]2a04:4e42:600::396
reddit.com.[]300[]IN[]AAAA[]2a04:4e42:200::396
reddit.com.[]300[]IN[]AAAA[]2a04:4e42:400::396
reddit.com.[]300[]IN[]AAAA[]2a04:4e42::396

```

RRSIG

```

ns-557.awsdns-05.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 300

```

DNSKEY

```

;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 42068
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
reddit.com.[]276[]IN[]SOA[]ns-557.awsdns-05.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 300

```

DNSSEC_VALIDATION

```

; unsigned answer
reddit.com.[]876[]IN[]SOA[]ns-557.awsdns-05.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 300

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	403
Connected IP	151.101.1.140
Connect Time	2.71 ms
TTFB	5.32 ms
Total Time	5.34 ms

Response Headers:

```
[
  "HTTP/1.1 403 Blocked",
  "Connection: close",
  "Content-Length: 1486",
  "Retry-After: 0",
  "Content-Type: text/html",
  "Cache-Control: private, no-store",
  "Accept-Ranges: bytes",
  "Date: Fri, 03 Jul 2026 19:24:18 GMT",
  "Via: 1.1 varnish",
  "server-timing: reddit-ct;desc=\\"dn=FT,p=KUL,cs=MISS\\"",
  "X-Content-Type-Options: nosniff",
  "X-Frame-Options: SAMEORIGIN",
  "X-XSS-Protection: 1; mode=block",
  "Server: snooperv",
  "Report-To: {\\"group\\": \\"w3-reporting-nel\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting-nel.reddit.com/reports\\" }]}, {\\"group\\": \\"w3-reporting\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting.reddit.com/reports\\" }]}, {\\"group\\": \\"w3-reporting-csp\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting-csp.reddit.com/reports\\" }]}",
  "NEL: {\\"report_to\\": \\"w3-reporting-nel\\", \\"max_age\\": 14400, \\"include_subdomains\\": false, \\"success_fraction\\": 1.0, \\"failure_fraction\\": 1.0}"
]
```

IPv6 HTTP (port 80)

HTTP Status	403
Connected IP	2a04:4e42:400::396
Connect Time	0.96 ms
TTFB	2.87 ms
Total Time	2.91 ms

Response Headers:

```
[
  "HTTP/1.1 403 Blocked",
  "Connection: close",
  "Content-Length: 1486",
  "Retry-After: 0",
  "Content-Type: text/html",
  "Cache-Control: private, no-store",
  "Accept-Ranges: bytes",
  "Date: Fri, 03 Jul 2026 19:24:18 GMT",
  "Via: 1.1 varnish",
  "server-timing: reddit-ct;desc=\\"dn=FT,p=KUL,cs=MISS\\"",
  "X-Content-Type-Options: nosniff",
  "X-Frame-Options: SAMEORIGIN",
  "X-XSS-Protection: 1; mode=block",
  "Server: snooperv",
  "Report-To: {\\"group\\": \\"w3-reporting-nel\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting-nel.reddit.com/reports\\" }]}, {\\"group\\": \\"w3-reporting\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting.reddit.com/reports\\" }]}, {\\"group\\": \\"w3-reporting-csp\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting-csp.reddit.com/reports\\" }]}",
  "NEL: {\\"report_to\\": \\"w3-reporting-nel\\", \\"max_age\\": 14400, \\"include_subdomains\\": false, \\"success_fraction\\": 1.0, \\"failure_fraction\\": 1.0}"
]
```

IPv4 HTTPS (port 443)

HTTP Status	403
Connected IP	151.101.1.140
Connect Time	1.27 ms

TTFB	6.46 ms
Total Time	6.47 ms

Response Headers:

```
[
  "HTTP/2 403",
  "retry-after: 0",
  "content-type: text/html",
  "cache-control: private, no-store",
  "accept-ranges: bytes",
  "date: Fri, 03 Jul 2026 19:24:18 GMT",
  "via: 1.1 varnish",
  "server-timing: reddit-ct;desc=\"dn=FT,p=KUL,cs=MISS\"",
  "strict-transport-security: max-age=31536000; includeSubdomains; preload",
  "x-content-type-options: nosniff",
  "x-frame-options: SAMEORIGIN",
  "x-xss-protection: 1; mode=block",
  "server: snooperv",
  "report-to: {\\"group\\": \\"w3-reporting-nel\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting-nel.reddit.com/reports\\"}]}, {\\"group\\": \\"w3-reporting\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting.reddit.com/reports\\"}]}, {\\"group\\": \\"w3-reporting-csp\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting-csp.reddit.com/reports\\"}]}",
  "nel: {\\"report_to\\": \\"w3-reporting-nel\\", \\"max_age\\": 14400, \\"include_subdomains\\": false, \\"success_fraction\\": 1.0, \\"failure_fraction\\": 1.0}",
  "content-length: 1486"
]
```

IPv6 HTTPS (port 443)

HTTP Status	403
Connected IP	2a04:4e42:400::396
Connect Time	1.22 ms
TTFB	8.82 ms
Total Time	8.85 ms

Response Headers:

```
[
  "HTTP/2 403",
  "retry-after: 0",
  "content-type: text/html",
  "cache-control: private, no-store",
  "accept-ranges: bytes",
  "date: Fri, 03 Jul 2026 19:24:18 GMT",
  "via: 1.1 varnish",
  "server-timing: reddit-ct;desc=\"dn=FT,p=KUL,cs=MISS\"",
  "strict-transport-security: max-age=31536000; includeSubdomains; preload",
  "x-content-type-options: nosniff",
  "x-frame-options: SAMEORIGIN",
  "x-xss-protection: 1; mode=block",
  "server: snooperv",
  "report-to: {\\"group\\": \\"w3-reporting-nel\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting-nel.reddit.com/reports\\"}]}, {\\"group\\": \\"w3-reporting\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting.reddit.com/reports\\"}]}, {\\"group\\": \\"w3-reporting-csp\\", \\"max_age\\": 14400, \\"include_subdomains\\": true, \\"endpoints\\": [{ \\"url\\": \\"https://w3-reporting-csp.reddit.com/reports\\"}]}",
  "nel: {\\"report_to\\": \\"w3-reporting-nel\\", \\"max_age\\": 14400, \\"include_subdomains\\": false, \\"success_fraction\\": 1.0, \\"failure_fraction\\": 1.0}",
  "content-length: 1486"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.001779 0.003695
TCP Connect IPv6 → port 80	301 0.002298 0.006334
TCP Connect IPv4 → port 443	301 0.001631 0.036182
TCP Connect IPv6 → port 443	301 0.000690 0.031375

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  
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
```