

IPv6 Readiness Report

mastodon.social — mastodon.social



Scan to verify

Category: Social Media • Generated: 13 Jun 2026, 19:12 MYT • Last Checked: 13 Jun 2026, 01:05 MYT • Verification ID: ec041299-1c74-48d2-a3a2-75ed2059b69c

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

Audit trail: <https://ipv6.my6.my/audit/ec041299-1c74-48d2-a3a2-75ed2059b69c>



Partially Compliant

MGv6C-1.0

82%

Partial Support

IPV6-ONLY READINESS

Website: ✓ Ready

DNS: ✓ Ready

Email: ✗ Not Ready

IPV6 ADDRESSES	IPV4 ADDRESSES
2a04:4e42::311	151.101.65.55
2a04:4e42:400::311	151.101.129.55
2a04:4e42:600::311	151.101.193.55
2a04:4e42:200::311	151.101.1.55

Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	FASTLY	Fastly, Inc.
Country	US	US
ASN	AS54113	AS54113
ASN Name	FASTLY - Fastly, Inc., US	FASTLY - Fastly, Inc., US
Network (CIDR)	2a04:4e40::/29	151.101.0.0/16

Web Services (35%) 8 / 8			
#	CHECK	RESULT	DETAIL
1	AAAA Record	PASS	2a04:4e42::311, 2a04:4e42:400::311, 2a04:4e42:600::311, 2a04:4e42:200::311
2	Globally Routable IPv6	PASS	All addresses are globally routable.
3	HTTP over IPv6	PASS	HTTP (port 80) responds over IPv6 — 352ms TTFB.
4	HTTPS over IPv6	PASS	HTTPS (port 443) responds over IPv6 — 8ms 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 = Let's Encrypt, CN = R12, expires Aug 16 15:59:16 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%) 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	151.101.65.55, 151.101.129.55, 151.101.193.55, 151.101.1.55
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 13ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 9ms TTFB.

Audit Trail & Evidence Record

Verification ID	ec041299-1c74-48d2-a3a2-75ed2059b69c
Domain	mastodon.social
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:05:09 MYT
Finished	13 Jun 2026, 01:05:36 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/ec041299-1c74-48d2-a3a2-75ed2059b69c

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	cb775554dccee7aff8bfaa27f435d401a5ea82773cf56edbe55a4e10a934313f
http_headers	f7a617f5c45d1d589d832410122c303ea6801439de92e28970c18034728c2341
dns_responses	714cf2ac39bcc5401e5f9cb0c1872f7ae1fd1a38d2103d51a2e2d01ab7509537
tls_handshake	d40061750f5a3acdaad9dcf3149e57e0e6de83c84a3bf8cdeb7d18961e20c228
connectivity_log	fd0725dec50d30930fc60a9a459f2ed2966f7ad67b8d8d6911414cbf142b0839
dns_resolution_times	d4f5ce898a71eb3f30191c29260412caba9fd9fb854a3776a3d0e8b8a02864464

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	24.19	28.62	9.55	24.95	-14.6
Google	IPv4	15.67	35.61	34.13	37.93	+18.5
Google	IPv6	20.41	113.23	23.55	31.99	+3.1
Cloudflare	IPv4	21.72	27.5	25.64	28.38	+3.9
Cloudflare	IPv6	21.59	27.25	38.32	38.74	+16.7

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 45861
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mastodon.social. 600 IN A 151.101.1.55
mastodon.social. 600 IN A 151.101.65.55
mastodon.social. 600 IN A 151.101.129.55
mastodon.social. 600 IN A 151.101.193.55
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 30115
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
social. 3575 IN SOA v0n0.nic.social. hostmaster.donuts.email. 1781283433 7200 900 1209600 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 17970
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mastodon.social. 3600 IN MX 1 smtp.google.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 55975
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mastodon.social. 3600 IN NS ns1.exoscale.io.
mastodon.social. 3600 IN NS ns1.exoscale.net.
mastodon.social. 3600 IN NS ns1.exoscale.ch.
mastodon.social. 3600 IN NS ns1.exoscale.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 23817
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mastodon.social. 3600 IN TXT "v=spf1 include:_spf.google.com include:helpscoutemail.com ~all"
mastodon.social. 3600 IN TXT "zoho-verification=zb49784848.zmverify.zoho.eu"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 3140
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mastodon.social. 600 IN AAAA 2a04:4e42:600::311
mastodon.social. 600 IN AAAA 2a04:4e42::311
mastodon.social. 600 IN AAAA 2a04:4e42:200::311
mastodon.social. 600 IN AAAA 2a04:4e42:400::311
```

RRSIG

```
ns1.exoscale.ch. admin.dnsimple.com. 1579114453 86400 7200 604800 300
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 3273
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
mastodon.social. 3575 IN SOA ns1.exoscale.ch. admin.dnsimple.com. 1579114453 86400 7200 604800 300
```

DNSSEC_VALIDATION

```
; unsigned answer
mastodon.social. 3575 IN SOA ns1.exoscale.ch. admin.dnsimple.com. 1579114453 86400 7200 604800 300
```



```

YE0DS2FPxSAHi0iwMfw2nNHJrXcY3LLHD77gRgje4Eveubi2xxa+Nmk/hmhLdIET
iVDfanoCrMvIpQ59XWHkzdFmoHXHBV7oibVjGS07ULS07MJ1nz51phuDJ5gAIU7A
0zrLn0rAj/dfrLEWRhCvAgbuwLZX1A2sJNjXoP0HbsPiy+l01KF8/XY7
-----END CERTIFICATE-----
---
Server certificate
subject=CN = mastodon.social
issuer=C = US, O = Let's Encrypt, CN = R12
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: RSA-PSS
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 3157 bytes and written 381 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_AES_128_GCM_SHA256
Server public key is 2048 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
Early data was not sent
Verify return code: 0 (ok)
---
DONE
---
```

IPv6 Connection

IP Used	2a04:4e42::311
IP Version	6

```

depth=2 C = US, O = Internet Security Research Group, CN = ISRG Root X1
verify return:1
depth=1 C = US, O = Let's Encrypt, CN = R12
verify return:1
depth=0 CN = mastodon.social
verify return:1
CONNECTED(00000010)
---
Certificate chain
0 s:CN = mastodon.social
  i:C = US, O = Let's Encrypt, CN = R12
  a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
  v:NotBefore: May 18 15:59:17 2026 GMT; NotAfter: Aug 16 15:59:16 2026 GMT
-----BEGIN CERTIFICATE-----
MIIFIjCCBAqgAwIBAgISBwGIA+BhJTYxgYM/xLjEKAYFMA0GCSqGSIb3DQEBQwUA
MDMx CzA JBgNVBAYTALVTRMYwFAYDVQQKEw1MZXQncyBFbmNyeXB0MQwwCgYDVQQD
EwNSMTIwHhcNMjYwNTE4MTU1OTE3W3hcNMjYwODE2MjU1OTE2WjAaMRgwFgYDVQ
Ew9tYXN0b2Rvbi5zbnNpYwggEiMA0GCSqGSIb3DQEBQUAA4IBDwAwggEKAoIB
AQDPw/zwLx5+mvGK0n54cVKbNTLsmuTInjP55KTPLGWT1x0puP0eDFsbUg63U1X
MvCzPgpywJohuY1QWKCQowsTnqYC2B9NZ4N841vr1NYmY1LW8GQzYwWRupMD30N9Z
quUUYKw9smJjHMMBuh+Jxb+cTL82c1ztxER/ZdrxI3evdQ3QpMRrGEMk46HJ2DhN
9Uc7Yw26pASpPmsyK7xgixE4HvGexELk4VFmqB+DW3xMngx54tJ0iCY8mXaLRiR
CPUPgpCrS4N0W82Ugee/bwn5IMEy8LWEiCtAREUuENhkK8CuJMF8Br3t/RJl0QB
kEL6WaxWs44q78dtAmbgu+1FAGmBAAGjggJHMIICQzA0BgNVHQ8BAf8EBAMCBAw
EwYDR0LBAwwCgYIKwYBBQUHAEwDAYDR0TAQH/BAIwADAAdBgNVHQ4EFgQUXP5k
7ye+7nDmYcjJgn6LgmiQDfQwHwYDR0jBBgwFoAUALUp8i20bzHom0yteD7630kM
0dIwMwYIKwYBBQUHAQEEJzAlMCMGCSsGAQUFBzAChhdodHRwOi8vcjEyLmkuYwVU
Y3Iub3JnLzBGbG9uVHREEPzA9ghVmaWxlcY5tYXN0b2Rvbi5zbnNpYwYwCD21hc3Rv
ZG9uLnNvY2lhbIIITd3d3Lm1hc3RvZG9uLnNvY2lhbDAtBgNVHSAEDDAkMAGBmeB
DAECATBgNVHR8EJjAKMCKGIAehxodHRwOi8vcjEyLmkuYwVU3Iub3JnLzYy
Y3JsMIIBCKwYBBAHWeQIEAgSB/ASB+QD3AHUAWjF+v0UZo0XufzjespBB68fC
IvoIv3/Vta12mtk0Us0AAAGePAW1LQAABAMARjBEA1AWBswEi+9zFRwt0QmZInpQ
Rs/owQYLIPgeM0iFHZLw4wIqSfYHxVEzE9GGxs90rWGKq3z6j33v4X/pTfxFXU3
uhcAfgAai51rD/6/gbR50cb5MQG1tEC1PBG4hgsnefX1YL7wAAAZ48BmdAAGa
AAUAFCKs2QDAECwRQIgQf7kwz3jvXw4+cWzKWvbp9aow7oLu0rKGPkqfjXEXOC
IQCLWU7IFgN9KcNqRp/pEALzgyveh/Z/QBYz8x+YFbt8TANBqkqhkig9w0BAQsF
AA0CAQEAZ8PwM2ghNpXuXw8DBSv7YUXTKjYTD0w6DU0vLMI8IjF49k4Xht/1t5
hHds3KJ/LY/vP8+91Ahgbi/62aqkHTaGMFLyXK9zxyEARLg9veg7yPyWccgP4x1
2bgz9FAL/OACUXtiHIGaw+ZkMZzqC+nvW93sXVPiEPZJPDeRAG0hsBu551pIoZ/C
kfveFhv7ecyLBUExKnJSFWhakEeQJi9m/BsdckvYzmdArpW4aG0rYedtEQ2YwF6
bd7I5KI3ZXHbLbvyu/L0ZLn3bgkKXxf9TKZTWJ5U3WYQZHI0og1rWduurjwLNLq
U7D0LCwbcDdV9k3ozALugJMASDixQ==
-----END CERTIFICATE-----
1 s:C = US, O = Let's Encrypt, CN = R12
  i:C = US, O = Internet Security Research Group, CN = ISRG Root X1
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	151.101.129.55
Connect Time	3.19 ms
TTFB	12.73 ms
Total Time	12.8 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Connection: close",
  "2": "Content-Length: 0",
  "3": "Server: Varnish",
  "4": "Retry-After: 0",
  "5": "Location: https://mastodon.social/",
  "6": "Accept-Ranges: bytes",
  "7": "Date: Fri, 12 Jun 2026 17:05:36 GMT",
  "8": "Via: 1.1 varnish",
  "9": "X-Served-By: cache-kul9826-KUL",
  "10": "X-Cache: HIT",
  "11": "X-Cache-Hits: 0",
  "12": "X-Timer: S1781283936.484874,V50,VE0",
  "13": "Strict-Transport-Security: max-age=31557600",
  "14": "alt-svc: h3=\":443\";ma=86400,h3-29=\":443\";ma=86400,h3-27=\":443\";ma=86400",
  "16": "HTTP/2 200",
  "17": "x-content-type-options: nosniff",
  "18": "content-security-policy: base-uri 'none'; default-src 'none'; frame-ancestors 'none'; font-src 'self' https://mastodon.social; img-src 'self' data: blob: https://mastodon.social https://files.mastodon.social; media-src 'self' data: https://mastodon.social https://files.mastodon.social; manifest-src 'self' https://mastodon.social; form-action 'none'; child-src 'self' blob: https://mastodon.social; worker-src 'self' blob: https://mastodon.social; connect-src 'self' data: blob: https://mastodon.social https://files.mastodon.social wss://streaming.mastodon.social; frame-src 'self' https://mastodon.social; style-src 'self' https://mastodon.social 'nonce-FBF4C8MJ6SVN4LATX6PUQ=='; script-src 'self' https://mastodon.social 'wasm-unsafe-eval' 'sha256-Z5KW83D+6/pygIQS3h9XDPF52xW3l3BHC7JL9tj3uMs='",
  "19": "x-frame-options: DENY",
  "20": "cache-control: max-age=15, public, stale-while-revalidate=30, stale-if-error=86400",
  "21": "x-runtime: 0.054613",
  "22": "content-type: text/html; charset=utf-8",
  "23": "etag: W/\"e0fb2belcb7a42d19cb6661076lce19f\"",
  "24": "referrer-policy: strict-origin-when-cross-origin",
  "25": "server: Mastodon",
  "26": "x-xss-protection: 0",
  "27": "x-request-id: 071b143e-c6ca-4837-9c23-fd9a1ff19a6a",
  "28": "via: 1.1 varnish, 1.1 varnish",
  "29": "accept-ranges: bytes",
  "30": "date: Fri, 12 Jun 2026 17:05:36 GMT",
  "31": "age: 5",
  "32": "x-served-by: cache-fra-etou8220077-FRA, cache-fra-etou8220077-FRA, cache-kul9823-KUL",
  "33": "x-cache: MISS, MISS, HIT",
  "34": "x-cache-hits: 0, 0, 2",
  "35": "x-timer: S1781283936.493880,V50,VE0",
  "36": "vary: Accept, Accept-Language, Cookie, Accept-Encoding",
  "37": "strict-transport-security: max-age=31557600",
  "38": "alt-svc: h3=\":443\";ma=86400,h3-29=\":443\";ma=86400,h3-27=\":443\";ma=86400",
  "39": "content-length: 43835"
}
```

IPv6 HTTP (port 80)

HTTP Status	200
Connected IP	2a04:4e42:600::311
Connect Time	2.79 ms
TTFB	13.18 ms
Total Time	13.35 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Connection: close",
  "2": "Content-Length: 0",
  "3": "Server: Varnish",
}
```

```

"4": "Retry-After: 0",
"5": "Location: https://mastodon.social/",
"6": "Accept-Ranges: bytes",
"7": "Date: Fri, 12 Jun 2026 17:05:36 GMT",
"8": "Via: 1.1 varnish",
"9": "X-Served-By: cache-kul9821-KUL",
"10": "X-Cache: HIT",
"11": "X-Cache-Hits: 0",
"12": "X-Timer: S1781283936.461520,V50,VE0",
"13": "Strict-Transport-Security: max-age=31557600",
"14": "alt-svc: h3=\":443\";ma=86400,h3-29=\":443\";ma=86400,h3-27=\":443\";ma=86400",
"16": "HTTP/2 200",
"17": "x-content-type-options: nosniff",
"18": "content-security-policy: base-uri 'none'; default-src 'none'; frame-ancestors 'none'; font-src 'self' https://mastodon.social; img-src 'self' data: blob: https://mastodon.social https://files.mastodon.social; media-src 'self' data: https://mastodon.social https://files.mastodon.social; manifest-src 'self' https://mastodon.social; form-action 'none'; child-src 'self' blob: https://mastodon.social; worker-src 'self' blob: https://mastodon.social; connect-src 'self' data: blob: https://mastodon.social https://files.mastodon.social wss://streaming.mastodon.social; frame-src 'self' https://mastodon.social; style-src 'self' https://mastodon.social 'nonce-FBF4C8MJ6SVN4LATX6PUQ='; script-src 'self' https://mastodon.social 'wasm-unsafe-eval' 'sha256-Z5KW83D+6/pygIQS3h9XDPF52xw3l3BHc7JL9tj3uMs='",
"19": "x-frame-options: DENY",
"20": "cache-control: max-age=15, public, stale-while-revalidate=30, stale-if-error=86400",
"21": "x-runtime: 0.054613",
"22": "content-type: text/html; charset=utf-8",
"23": "etag: W/\"e0fb2be1cb7a42d19cb66610761ce19f\"\"",
"24": "referrer-policy: strict-origin-when-cross-origin",
"25": "server: Mastodon",
"26": "x-xss-protection: 0",
"27": "x-request-id: 071b143e-c6ca-4837-9c23-fd9a1ff19a6a",
"28": "via: 1.1 varnish, 1.1 varnish",
"29": "accept-ranges: bytes",
"30": "date: Fri, 12 Jun 2026 17:05:36 GMT",
"31": "age: 5",
"32": "x-served-by: cache-fra-etou8220077-FRA, cache-fra-etou8220077-FRA, cache-kul9829-KUL",
"33": "x-cache: MISS, MISS, HIT",
"34": "x-cache-hits: 0, 0, 1",
"35": "x-timer: S1781283936.470402,V50,VE1",
"36": "vary: Accept, Accept-Language, Cookie, Accept-Encoding",
"37": "strict-transport-security: max-age=31557600",
"38": "alt-svc: h3=\":443\";ma=86400,h3-29=\":443\";ma=86400,h3-27=\":443\";ma=86400",
"39": "content-length: 43835"
}

```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	151.101.65.55
Connect Time	1.39 ms
TTFB	8.59 ms
Total Time	8.61 ms

Response Headers:

```

[
  "HTTP/2 200",
  "x-content-type-options: nosniff",
  "content-security-policy: base-uri 'none'; default-src 'none'; frame-ancestors 'none'; font-src 'self' https://mastodon.social; img-src 'self' data: blob: https://mastodon.social https://files.mastodon.social; media-src 'self' data: https://mastodon.social https://files.mastodon.social; manifest-src 'self' https://mastodon.social; form-action 'none'; child-src 'self' blob: https://mastodon.social; worker-src 'self' blob: https://mastodon.social; connect-src 'self' data: blob: https://mastodon.social https://files.mastodon.social wss://streaming.mastodon.social; frame-src 'self' https://mastodon.social; style-src 'self' https://mastodon.social 'nonce-FBF4C8MJ6SVN4LATX6PUQ='; script-src 'self' https://mastodon.social 'wasm-unsafe-eval' 'sha256-Z5KW83D+6/pygIQS3h9XDPF52xw3l3BHc7JL9tj3uMs='",
  "x-frame-options: DENY",
  "cache-control: max-age=15, public, stale-while-revalidate=30, stale-if-error=86400",
  "x-runtime: 0.054613",
  "content-type: text/html; charset=utf-8",
  "etag: W/\"e0fb2be1cb7a42d19cb66610761ce19f\"\"",
  "referrer-policy: strict-origin-when-cross-origin",
  "server: Mastodon",
  "x-xss-protection: 0",
  "x-request-id: 071b143e-c6ca-4837-9c23-fd9a1ff19a6a",
  "via: 1.1 varnish, 1.1 varnish",
  "accept-ranges: bytes",
  "date: Fri, 12 Jun 2026 17:05:36 GMT",
  "age: 5",
  "x-served-by: cache-fra-etou8220077-FRA, cache-fra-etou8220077-FRA, cache-kul9827-KUL",
  "x-cache: MISS, MISS, HIT",
  "x-cache-hits: 0, 0, 1",
  "x-timer: S1781283937.502065,V50,VE1",
  "vary: Accept, Accept-Language, Cookie, Accept-Encoding",

```

```
"strict-transport-security: max-age=31557600",
"alt-svc: h3=\":443\";ma=86400,h3-29=\":443\";ma=86400,h3-27=\":443\";ma=86400",
"content-length: 43835"
]
```

IPv6 HTTPS (port 443)

HTTP Status	200
Connected IP	2a04:4e42::311
Connect Time	2.46 ms
TTFB	9.55 ms
Total Time	9.59 ms

Response Headers:

```
[
  "HTTP/2 200",
  "x-content-type-options: nosniff",
  "content-security-policy: base-uri 'none'; default-src 'none'; frame-ancestors 'none'; font-src 'self' https://mastodon.social; img-src 'self' data: blob: https://mastodon.social https://files.mastodon.social; media-src 'self' data: https://mastodon.social https://files.mastodon.social; manifest-src 'self' https://mastodon.social; form-action 'none'; child-src 'self' blob: https://mastodon.social; worker-src 'self' blob: https://mastodon.social; connect-src 'self' data: blob: https://mastodon.social https://files.mastodon.social wss://streaming.mastodon.social; frame-src 'self' https://mastodon.social; style-src 'self' https://mastodon.social 'nonce-FBF4C8MJ6SVN4LATX6PUqQ='; script-src 'self' https://mastodon.social 'wasm-unsafe-eval' 'sha256-Z5KW83D+6/pygIQS3h9XDpF52xw3L3BHc7JL9tj3uMs='",
  "x-frame-options: DENY",
  "cache-control: max-age=15, public, stale-while-revalidate=30, stale-if-error=86400",
  "x-runtime: 0.054613",
  "content-type: text/html; charset=utf-8",
  "etag: W/\":e0fb2be1cb7a42d19cb66610761ce19f\\"",
  "referrer-policy: strict-origin-when-cross-origin",
  "server: Mastodon",
  "x-xss-protection: 0",
  "x-request-id: 071b143e-c6ca-4837-9c23-fd9a1ff19a6a",
  "via: 1.1 varnish, 1.1 varnish",
  "accept-ranges: bytes",
  "date: Fri, 12 Jun 2026 17:05:36 GMT",
  "age: 5",
  "x-served-by: cache-fra-etou8220077-FRA, cache-fra-etou8220077-FRA, cache-kul0829-KUL",
  "x-cache: MISS, MISS, HIT",
  "x-cache-hits: 0, 0, 2",
  "x-timer: S1781283936.481375,V50,VE0",
  "vary: Accept, Accept-Language, Cookie, Accept-Encoding",
  "strict-transport-security: max-age=31557600",
  "alt-svc: h3=\":443\";ma=86400,h3-29=\":443\";ma=86400,h3-27=\":443\";ma=86400",
  "content-length: 43835"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.002206 0.005243
TCP Connect IPv6 → port 80	301 0.000995 0.003620
TCP Connect IPv4 → port 443	200 0.000718 0.018970
TCP Connect IPv6 → port 443	200 0.002284 0.045785

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
```