

IPv6 Readiness Report

line.me — line.me



Scan to verify

Category: Social Media • Generated: 13 Jun 2026, 19:42 MYT • Last Checked: 13 Jun 2026, 01:05 MYT • Verification ID: d926db83-1a61-4ffa-b279-145e0f6cdf6

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

Audit trail: <https://ipv6.my6.my/audit/d926db83-1a61-4ffa-b279-145e0f6cdf6>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>45%</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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IPv6 ADDRESSES

```
2600:9000:2078:da00:2:dc71:3640:93a1
2600:9000:2078:8c00:2:dc71:3640:93a1
2600:9000:2078:e000:2:dc71:3640:93a1
2600:9000:2078:c800:2:dc71:3640:93a1
2600:9000:2078:f000:2:dc71:3640:93a1
2600:9000:2078:2e00:2:dc71:3640:93a1
2600:9000:2078:1e00:2:dc71:3640:93a1
2600:9000:2078:7600:2:dc71:3640:93a1
```

IPv4 ADDRESSES

```
147.92.243.206
```

Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	Amazon.com, Inc.	LINE
Country	US	JP
ASN	AS16509	AS38631
ASN Name	AMAZON-02 - Amazon.com, Inc., US	LINE - LY Corporation, JP
Network (CIDR)	2600:9000::/28	147.92.224.0/19

Web Services (35%)				4 / 8
#	CHECK	RESULT	DETAIL	
1	AAAA Record	PASS	2600:9000:2078:da00:2:dc71:3640:93a1, 2600:9000:2078:8c00:2:dc71:3640:93a1, 2600:9000:2078:e000:2:dc71:3640:93a1, 2600:9000:2078:c800:2:dc71:3640:93a1, 2600:9000:2078:f000:2:dc71:3640:93a1, 2600:9000:2078:2e00:2:dc71:3640:93a1, 2600:9000:2078:1e00:2:dc71:3640:93a1, 2600:9000:2078:7600:2:dc71:3640:93a1	
2	Globally Routable IPv6	PASS	All addresses are globally routable.	
3	HTTP over IPv6	PASS	HTTP (port 80) responds over IPv6 — 15ms TTFB.	
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)	PASS	Domain has both A and AAAA records.	
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.	

#	CHECK	RESULT	DETAIL
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.
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	147.92.243.206
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 207ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 254ms TTFB.

Audit Trail & Evidence Record

Verification ID	d926db83-1a61-4ffa-b279-145e0f6cdfef6
Domain	line.me
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:05:28 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/d926db83-1a61-4ffa-b279-145e0f6cdfef6

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	a8e1b292c20a60ed6b578a7582a4d1a7fd5a3698e87a24f38d7277f237199e13
http_headers	85318e13f355eb5ab7ee8912dd6bd3e8f4c24b5a41452162ba666c8053ff317a
dns_responses	d0b3df feac9cd7d4f2270f0c0130d5a8623fa6351eb68ec4abe67e93df2b67e7
tls_handshake	b99e4f051a0f8fca68a489812c1b6346220743e40019b2c32054e5d834dcdf
connectivity_log	e4775788297b82820bc1281e68e252d9bd696acd4c451b6620dd75127b555839
dns_resolution_times	a8a231b0d0be57cbf07266d874874bf26bb36a804f4c2e031c0c017c50b2d7df

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	20.01	23.01	6.87	22.62	-13.1
Google	IPv4	31.19	44.57	42.39	47.11	+11.2
Google	IPv6	36.55	41.62	28.8	36.41	-7.8
Cloudflare	IPv4	24.26	40.67	27.29	34.29	+3
Cloudflare	IPv6	40.97	53.73	25.26	26.03	-15.7

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 37684
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
line.me. 300 IN A 147.92.243.206
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63283
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
me. 3594 IN SOA a0.nic.me. hostmaster.donuts.email. 1781283503 7200 900 1209600 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 559
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
line.me. 180 IN MX 10 mx3-common.line-apps.com.
line.me. 180 IN MX 10 mx-common.line-apps.com.
line.me. 180 IN MX 10 mx1-common.line-apps.com.
line.me. 180 IN MX 10 mx2-common.line-apps.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 18518
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
line.me. 86400 IN NS ns2.naver.jp.
line.me. 86400 IN NS ans1.linecorp.com.
line.me. 86400 IN NS ans2.linecorp.com.
line.me. 86400 IN NS ns1.naver.jp.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 36866
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
line.me. 60 IN TXT "google-site-verification=Ri-G6bf49-itkhhxR6TAWnk0_yfslPvcvsQrPa8Usvc"
line.me. 60 IN TXT "v=spf1 include:naver.com include:spf.naver.jp ip4:203.104.136.0/24 ip4:147.92.128.0/17 include:_spfblock_ext.line.me include:bulk-spf.yahoo.co.jp -all"
line.me. 60 IN TXT "facebook-domain-verification=35wmsqkba1tqtxca6q5xlrxcul4qd"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 44676
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
line.me. 595 IN SOA ans2.linecorp.com. domain.linecorp.com. 1781152305 3533 600 604800 3600
```

RRSIG

```
ans2.linecorp.com. domain.linecorp.com. 1781152305 3533 600 604800 3600
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 33377
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
line.me. 595 IN SOA ans2.linecorp.com. domain.linecorp.com. 1781152305 3533 600 604800 3600
```

DNSSEC_VALIDATION

```
; unsigned answer
line.me. 594 IN SOA ans2.linecorp.com. domain.linecorp.com. 1781152305 3533 600 604800 3600
```



```

EdSIhIioU4r7rd/9c446ZwTbw1MUcBQJfMPg+NccmBqixD7b6QDjynCy8SIwIVbb
0615XoFYC20UgDX1b10d65pHBf9ZjQCxQNqQmJYaumxtf4z1s4dfjGRzNpZ5eWL0
6r/4ngGPoJVpjemEuunl1Iq423g7mNA2eymw0LIYkN5S0wCuaiFIFJ6GlazhgDEw
fpolu4usBC0mmQDo8dIm7A9+04orkjgTHY+GzYZSR+Y0ffFukAj6KYXwidlNaLFMz
hriSqHKvoflShx8xpfywgVcvzfT03PYkz6fiNJBonf6q8amaEsybwMbDqKwIX7e
SPY=
-----END CERTIFICATE-----
---
Server certificate
subject=C = JP, ST = Tokyo, L = Chiyoda-ku, O = LY Corporation, CN = *.line.me
issuer=C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
---
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 3299 bytes and written 389 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_AES_256_GCM_SHA384
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)

```

IPV6 Connection

IP Used	2600:9000:2078:da00:2:dc71:3640:93a1
IP Version	6

```

40378921C6730000:error:0A000410:SSL routines:ssl3_read_bytes:sslv3 alert handshake failure:../ssl/record/rec_layer_s3.c:1599:SSL alert number 40
CONNECTED(00000010)
---
no peer certificate available
---
No client certificate CA names sent
---
SSL handshake has read 7 bytes and written 309 bytes
Verification: OK
---
New, (NONE), Cipher is (NONE)
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
Early data was not sent
Verify return code: 0 (ok)
---

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	13.35.202.104
Connect Time	83.92 ms
TTFB	195.28 ms
Total Time	195.41 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Server: openresty",
  "2": "Date: Fri, 12 Jun 2026 17:05:36 GMT",
  "3": "Content-Type: text/html",
  "4": "Content-Length: 166",
  "5": "Connection: keep-alive",
  "6": "Location: https://www.line.me/",
  "8": "HTTP/2 302",
  "9": "server: CloudFront",
  "10": "date: Fri, 12 Jun 2026 17:05:36 GMT",
  "11": "content-length: 0",
  "12": "location: https://www.line.me/en/",
  "13": "x-cache: FunctionGeneratedResponse from cloudfront",
  "14": "via: 1.1 2a2608b09cfd44dc2e2694246d1d9cee.cloudfront.net (CloudFront)",
  "15": "x-amz-cf-pop: SIN2-P7",
  "16": "x-amz-cf-id: V2fpfo0qk3abT_UW98QTHa0sdjeLOBzXtv6-fvthH-6TING_Kq0o0w==",
  "18": "HTTP/2 200",
  "19": "content-type: text/html",
  "20": "content-length: 35792",
  "21": "server: V05",
  "22": "date: Fri, 12 Jun 2026 17:01:03 GMT",
  "23": "x-rps-usage: 1/1318.1818181818",
  "24": "accept-ranges: bytes",
  "25": "last-modified: Fri, 17 Apr 2026 04:04:04 GMT",
  "26": "x-rgw-object-type: Normal",
  "27": "cache-control: public,max-age=300",
  "28": "x-download-bandwidth-usage: 35792/90909090.909091",
  "29": "x-upload-bandwidth-usage: 0/90909090.909091",
  "30": "strict-transport-security: max-age=15768000",
  "31": "etag: \"df123eab4c1ac5a365434838674d7fc6\"",
  "32": "vary: Accept-Encoding,Origin",
  "33": "x-cache: Hit from cloudfront",
  "34": "via: 1.1 2a2608b09cfd44dc2e2694246d1d9cee.cloudfront.net (CloudFront)",
  "35": "x-amz-cf-pop: SIN2-P7",
  "36": "x-amz-cf-id: gJwgi-kzCz2s0ry96BMQ4F6uxSaKeySREUAszsgIrZ6i8ViCRCdgjw==",
  "37": "age: 273"
}
```

IPv6 HTTP (port 80)

HTTP Status	403
Connected IP	2600:9000:2078:da00:2:dc71:3640:93a1
Connect Time	7.21 ms
TTFB	16.03 ms
Total Time	16.09 ms

Response Headers:

```
[
  "HTTP/1.1 403 Forbidden",
  "Server: CloudFront",
  "Date: Fri, 12 Jun 2026 17:05:35 GMT",
  "Content-Type: text/html",
  "Content-Length: 915",
  "Connection: keep-alive",
  "X-Cache: Error from cloudfront",
  "Via: 1.1 cl06f05f2975ff09883b7e0cd3024cee.cloudfront.net (CloudFront)",
  "X-Amz-Cf-Pop: SIN2-P7",
  "X-Amz-Cf-Id: B_q0bEVtj7vfLCGz6-1lu080tDctnmegqlw1xCZCTLS0eXjuqebwg=="
]
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	13.35.202.54
Connect Time	82.47 ms
TTFB	260.13 ms
Total Time	260.22 ms

Response Headers:

```
{
  "0": "HTTP/1.1 302 Moved Temporarily",
  "1": "Server: openresty",
  "2": "Date: Fri, 12 Jun 2026 17:05:36 GMT",
  "3": "Content-Type: text/html",
  "4": "Content-Length: 142",
  "5": "Connection: keep-alive",
  "6": "Location: https://www.line.me/en/",
  "7": "Strict-Transport-Security: max-age=43200",
  "9": "HTTP/2 200",
  "10": "content-type: text/html",
  "11": "content-length: 35792",
  "12": "server: VOS",
  "13": "date: Fri, 12 Jun 2026 17:01:03 GMT",
  "14": "x-rps-usage: 1/1318.1818181818",
  "15": "accept-ranges: bytes",
  "16": "last-modified: Fri, 17 Apr 2026 04:04:04 GMT",
  "17": "x-rgw-object-type: Normal",
  "18": "cache-control: public,max-age=300",
  "19": "x-download-bandwidth-usage: 35792/90909090.909091",
  "20": "x-upload-bandwidth-usage: 0/90909090.909091",
  "21": "strict-transport-security: max-age=15768000",
  "22": "etag: \"df123eab4c1ac5a365434838674d7fc6\"",
  "23": "vary: Accept-Encoding,Origin",
  "24": "x-cache: Hit from cloudfront",
  "25": "via: 1.1 a2c2ae15e1030d0678971e68a40255b6.cloudfront.net (CloudFront)",
  "26": "x-amz-cf-pop: SIN2-P7",
  "27": "x-amz-cf-id: WKaii0oftR03VQpRKWrP7RD5-d18tEJIJwMCFo8tENCm8RN9BXL-50==",
  "28": "age: 273"
}
```

IPv6 HTTPS (port 443)

HTTP Status	0
Connected IP	2600:9000:2078:da00:2:dc71:3640:93a1
Connect Time	7.43 ms
TTFB	0 ms
Total Time	15.75 ms
Error	OpenSSL/3.0.13: error:0A000410:SSL routines::sslv3 alert handshake failure

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.073683 0.148989
TCP Connect IPv6 → port 80	403 0.007390 0.016494
TCP Connect IPv4 → port 443	302 0.074287 0.225165
TCP Connect IPv6 → port 443	000 0.008088 0.000000

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
```