

IPv6 Readiness Report

sinarharian.com.my — sinarharian.com.my

Category: News Portal • Generated: 21 Apr 2026, 19:16 MYT • Last Checked: 07 Mar 2026, 01:17 MYT • Verification ID: 7864777e-7c0d-4c58-bc34-989a291d0749

Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>Audit trail: <https://ipv6.my6.my/audit/7864777e-7c0d-4c58-bc34-989a291d0749>**Non-Compliant**

MGv6C-1.0

43%**Partial Support****IPv6-ONLY READINESS**Website: **X Not Ready**DNS: **✓ Ready**Email: **X Not Ready****IPv4 ADDRESSES**151.101.131.42
151.101.195.42
151.101.3.42
151.101.67.42**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%)

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.
6	DS Record at Parent	FAIL	No DS record at parent.
7	RRSIG Valid	PASS	RRSIG signatures are current and valid.

#	CHECK	RESULT	DETAIL
8	Signing Algorithm	INFO	ECDSAP256SHA256

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	DKIM selector found: mail_domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	151.101.131.42, 151.101.195.42, 151.101.3.42, 151.101.67.42
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 1464ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 1291ms TTFB.

Audit Trail & Evidence Record

Verification ID	7864777e-7c0d-4c58-bc34-989a291d0749
Domain	sinarharian.com.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:17:13 MYT
Finished	07 Mar 2026, 01:17:26 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/7864777e-7c0d-4c58-bc34-989a291d0749

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	7cfa57a713825232fe2fd4696745d65e611556d4ca67ba9e94d5b59be393d72f
http_headers	e1257762034180e450d999129443ce25b7d9f7998c206b8f75072f3605709b92
dns_responses	168f19776a400cf7c89426cd7e1bb3c72f54b280e03207649ca20a471142f932
tls_handshake	3d902d33d327c5b2f4764c616c1e32052f158e489b3a3b187bfe35cf9444b86b
connectivity_log	d276fb33f2b9d40709fa5eece5a1b3c77c091ee1c3e542c8d5b857d35b2ba1d4
dns_resolution_times	9e5fcbf50cde9e48f53b69a59776bcceedc4d72537e438def84e1208164e76b4

Test Node Identity

Os	Linux srv1440888 6.8.0-101-generic #101-Ubuntu SMP PREEMPT_DYNAMIC Mon Feb 9 10:15:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.30
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	8.2	10.01	7.01	18.46	-1.2
Google	IPv4	29	31.52	29.83	34.72	+0.8
Google	IPv6	29.02	30.84	19.66	30.5	-9.4
Cloudflare	IPv4	9.82	18.99	13.83	13.96	+4
Cloudflare	IPv6	24.2	28.58	30.49	33.76	+6.3

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 24167
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
sinarharian.com.my. 300 IN A 151.101.3.42
sinarharian.com.my. 300 IN A 151.101.195.42
sinarharian.com.my. 300 IN A 151.101.131.42
sinarharian.com.my. 300 IN A 151.101.67.42
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 42336
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 759 IN SOA b.nic.my. hostmaster.nic.my. 2026018479 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 38944
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
sinarharian.com.my. 300 IN MX 0 prmx.karangkraf.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 47199
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
sinarharian.com.my. 21600 IN NS jill.ns.cloudflare.com.
sinarharian.com.my. 21600 IN NS austin.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 22733
;; flags: qr rd ra; QUERY: 1, ANSWER: 9, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
sinarharian.com.my. 300 IN TXT "fastly-domain-delegation-avb53iuvnaoeu-20251230"
sinarharian.com.my. 300 IN TXT "tollbit-domain-verification=64fef03a262103649bd65cc40e0ad32ca70efd218a65835049c5593282b85ef3"
sinarharian.com.my. 300 IN TXT "facebook-domain-verification=728x4aywxde9c3puekyrghu0sxuy0a"
sinarharian.com.my. 300 IN TXT "google-site-verification=j22ofil-fwyIN4BhCNAw20xQndKxFOCSLNQ17smcA_E"
sinarharian.com.my. 300 IN TXT "fastly-domain-delegation-dbt4wckdo0yrnny46n-20251231"
sinarharian.com.my. 300 IN TXT "fastly-domain-delegation-d41d8cd98f00b204e9800998ecf8427e-00578236-2025-12-29"
sinarharian.com.my. 300 IN TXT "v=spf1 ip4:202.133.105.195 ip4:13.215.168.161 ip4:52.221.15.65 ip4:43.217.120.201 include:_spf.elasticemail.com include:spf.protection.outlook.com ~all"
sinarharian.com.my. 300 IN TXT "brevo-code:7079cbc6a2b462d1c8f214d24819a254"
sinarharian.com.my. 300 IN TXT "google-site-verification=KQPA95U8BRw4HFTUeFm80-zXjotw4R5jY2h6hc2cw5s"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 53525
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
```

```
;; AUTHORITY SECTION:
sinarharian.com.my. 3596 IN SOA austin.ns.cloudflare.com. dns.cloudflare.com. 2398214845 10000 2400 604800 1800
```

RRSIG

```
austin.ns.cloudflare.com. dns.cloudflare.com. 2398214845 10000 2400 604800 1800
SOA 13 3 1800 20260307101713 20260305081713 34505 sinarharian.com.my. QBottQmXhUiTDmzoCtnBv0Bo0QfajD6mWCjFuGL1UnUf9KZo2EfjhBSs gGC/fX3EMH0CEgsgMyl8E3jz/Cy4ew==
```

DNSKEY

```
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 8688
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
sinarharian.com.my. 3596 IN DNSKEY 256 3 13 oJMRESz5E4gYzS/q6XDrvU1qMPYIjCWzJa0au8XNEZeqCYKD5ar0IRd8 KqXXFJkqmVfRvMGpM1x8fGAa2XhSA==
sinarharian.com.my. 3596 IN DNSKEY 257 3 13 mdsswJyr3DPW132m0i8V9xESWE8jTo0dxCjjnopKl+GqJxpVXckHAeF+ KkxLbxILFDLUT0rAK9iUzy1L5eKQG==
```

DNSSEC_VALIDATION

```
;; validating sinarharian.com.my/SOA: no valid signature found
;; unsigned answer
sinarharian.com.my. 1800 IN SOA austin.ns.cloudflare.com. dns.cloudflare.com. 2398214845 10000 2400 604800 1800
sinarharian.com.my. 1800 IN RRSIG SOA 13 3 1800 20260307101718 20260305081718 34505 sinarharian.com.my. 1IYCSuirBIIJcUgWpMoNrmzG4hP4AR/ND10U+rPimwzW9BlnqVyPIBs
TgVyitHS0P7ue8rxNBvMXgo/mHGJw==
```



```
-----END CERTIFICATE-----
---
Server certificate
subject=CN = *.sinarharian.com.my
issuer=C = US, O = Certainly, CN = Certainly Intermediate R1
---
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 3076 bytes and written 384 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
---
Post-Handshake New Session Ticket arrived:
SSL-Session:
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	146.75.119.42
Connect Time	482.28 ms
TTFB	1618.07 ms
Total Time	1618.27 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: http://www.sinarharian.com.my/",
  "6": "Accept-Ranges: bytes",
  "7": "Date: Fri, 06 Mar 2026 09:17:21 GMT",
  "8": "Via: 1.1 varnish",
  "9": "X-Served-By: cache-fra-eddf8230203-FRA",
  "10": "X-Cache: HIT",
  "11": "X-Cache-Hits: 0",
  "12": "X-Timer: S1772788641.378430,V50,VE0",
  "13": "Strict-Transport-Security: max-age=31557600",
  "14": "Cache-Control: public, max-age=300, s-maxage=300",
  "15": "Surrogate-Key: sinarharian",
  "17": "HTTP/1.1 301 Moved Permanently",
  "18": "Connection: close",
  "19": "Content-Length: 0",
  "20": "Server: Varnish",
  "21": "Retry-After: 0",
  "22": "Location: https://www.sinarharian.com.my/",
  "23": "Accept-Ranges: bytes",
  "24": "Date: Fri, 06 Mar 2026 09:17:21 GMT",
  "25": "Via: 1.1 varnish",
  "26": "X-Served-By: cache-fra-eddf8230078-FRA",
  "27": "X-Cache: HIT",
  "28": "X-Cache-Hits: 0",
  "29": "X-Timer: S1772788642.699921,V50,VE0",
  "30": "Strict-Transport-Security: max-age=31557600",
  "31": "Cache-Control: public, max-age=300, s-maxage=300",
  "32": "Surrogate-Key: sinarharian",
  "33": "alt-svc: h3=\":443\";ma=86400,h3-29=\":443\";ma=86400,h3-27=\":443\";ma=86400",
  "35": "HTTP/2 200",
  "36": "server: nginx",
  "37": "x-amz-cf-pop: ZRH52-P1",
  "38": "via: 1.1 33bbce3c2eb1494fd9ca9c71d11cf154.cloudfront.net (CloudFront), 1.1 varnish, 1.1 varnish",
  "39": "content-type: text/html; charset=UTF-8",
  "40": "x-powered-by: PHP/7.2.34",
  "41": "x-amz-cf-id: yvLojBjhPBDt5N2g0-snlRjN908U8g08oerW9zxaDQx5FP2tMeyrA==",
  "42": "age: 263",
  "43": "accept-ranges: bytes",
  "44": "date: Fri, 06 Mar 2026 09:17:22 GMT",
  "45": "x-served-by: cache-sin-wsat1880035-SIN, cache-sin-wsss1830086-SIN, cache-fra-eddf8230087-FRA",
  "46": "x-cache: Hit from cloudfront, MISS, MISS, MISS",
  "47": "x-cache-hits: 0, 0, 0",
  "48": "x-timer: S1772788642.183877,V50,VE491",
  "49": "vary: Accept-Encoding",
  "50": "strict-transport-security: max-age=31557600",
  "51": "cache-control: public, max-age=300, s-maxage=300",
  "52": "surrogate-key: sinarharian",
  "53": "alt-svc: h3=\":443\";ma=86400,h3-29=\":443\";ma=86400,h3-27=\":443\";ma=86400"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	146.75.119.42
Connect Time	319.34 ms
TTFB	1323.25 ms
Total Time	1323.33 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "server: Varnish",
  "2": "retry-after: 0",
  "3": "location: https://www.sinarharian.com.my/",
  "4": "accept-ranges: bytes",
  "5": "date: Fri, 06 Mar 2026 09:17:24 GMT",
  "6": "via: 1.1 varnish",
  "7": "x-served-by: cache-fra-eddf8230061-FRA",
  "8": "x-cache: HIT",
  "9": "x-cache-hits: 0",
  "10": "x-timer: S1772788644.471834,V50,VE0",
  "11": "strict-transport-security: max-age=31557600",
  "12": "cache-control: public, max-age=300, s-maxage=300",
  "13": "surrogate-key: sinarharian",
  "14": "content-length: 0",
  "16": "HTTP/2 200",
  "17": "server: nginx",
  "18": "x-amz-cf-pop: ZRH52-P1",
  "19": "via: 1.1 15ec222720b66945bbc5c3c677b15d28.cloudfront.net (CloudFront), 1.1 varnish, 1.1 varnish",
  "20": "content-type: text/html; charset=UTF-8",
  "21": "x-powered-by: PHP/7.2.34",
  "22": "x-amz-cf-id: -V3K1iDVYKM7n7R4QohaGmFeI403vRLardwGgKYZ6tqPu7aAQ40smA==",
  "23": "age: 266",
  "24": "accept-ranges: bytes",
  "25": "date: Fri, 06 Mar 2026 09:17:25 GMT",
  "26": "x-served-by: cache-sin-wsat1880045-SIN, cache-sin-wsat1880049-SIN, cache-fra-eddf8230228-FRA",
  "27": "x-cache: Hit from cloudfront, MISS, MISS, MISS",
  "28": "x-cache-hits: 0, 0, 0",
  "29": "x-timer: S1772788645.955561,V50,VE355",
  "30": "vary: Accept-Encoding",
  "31": "strict-transport-security: max-age=31557600",
  "32": "cache-control: public, max-age=300, s-maxage=300",
  "33": "surrogate-key: sinarharian",
  "34": "alt-svc: h3=\":443\";ma=86400,h3-29=\":443\";ma=86400,h3-27=\":443\";ma=86400"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.159763 0.320978
TCP Connect IPv4 → port 443	301 0.159243 0.484310

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
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142
```