

IPv6 Readiness Report

sinarharian.com.my — sinarharian.com.my



Scan to verify

Category: News Portal • Generated: 04 Jul 2026, 22:41 MYT • Last Checked: 04 Jul 2026, 03:27 MYT • Verification ID: 2ebf6e61-03fe-4f91-b693-439ea84c71d8

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

Audit trail: <https://ipv6.my6.my/audit/2ebf6e61-03fe-4f91-b693-439ea84c71d8>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>43%</p> <p>No IPv6 Support</p>	<p>IPv6-ONLY READINESS</p> <p>Website: X Not Ready</p> <p>DNS: ✓ Ready</p> <p>Email: X Not Ready</p>
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IPv4 ADDRESSES
151.101.3.42
151.101.131.42
151.101.67.42
151.101.195.42

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.	

#	CHECK	RESULT	DETAIL
6	DS Record at Parent	FAIL	No DS record at parent.
7	RRSIG Valid	PASS	RRSIG signatures are current and valid.
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%)

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#	CHECK	RESULT	DETAIL
1	A Record	PASS	151.101.3.42, 151.101.131.42, 151.101.67.42, 151.101.195.42
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 191ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 188ms TTFB.

Audit Trail & Evidence Record

Verification ID	2ebfce61-03fe-4f91-b693-439ea84c71d8
Domain	sinarharian.com.my
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:27:13 MYT
Finished	04 Jul 2026, 03:27:17 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/2ebfce61-03fe-4f91-b693-439ea84c71d8

Integrity Verification

<p>✓ INTEGRITY VERIFIED</p>	
Algorithm	hmac-sha256-v1
Root Hash	eea140cccce489182c687a2898aabdb472bd5d7051d78e125d874ecad20d682e
http_headers	34aa44eaf0e15cb55aa295c2ddf10e05a744075b5161b01dcaaed14d7cdd53e5
dns_responses	932cd6ca4c888536e1cc10681a755c1312212a13a0ce65b9b8f451f8b0edd3c3
tls_handshake	8dc65e181bd1b699278622d224e768224d5ae6215aef062e2ee4b56a941a369d
connectivity_log	79075de6afe3c0de45761b66fab95def99b1bb5be71d33ed7901961086162c24
dns_resolution_times	b0a65ef4e50b800b657a1bf4170c9ba2b8cf3433494339bb369e16c5e425ecef

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	11.06	22.21	11.01	21.33	-0.1
Google	IPv4	20.9	29.57	24.06	32.94	+3.2
Google	IPv6	22.37	34.62	36.56	37.55	+14.2
Cloudflare	IPv4	21.34	23.46	9.46	18.79	-11.9
Cloudflare	IPv6	19.8	30.58	18.69	19.31	-1.1

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 27415
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
sinarharian.com.my. 300 IN A 151.101.67.42
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 151.101.3.42
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 10431
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 2142 IN SOA e.nic.my. hostmaster.nic.my. 2026052750 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 1516
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
sinarharian.com.my. 300 IN MX 0 prmx.karangkraf.com.
sinarharian.com.my. 300 IN MX 2 sinarharian-com-my.mail.protection.outlook.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 32260
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
sinarharian.com.my. 86400 IN NS austin.ns.cloudflare.com.
sinarharian.com.my. 86400 IN NS jill.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 31657
;; flags: qr rd ra; QUERY: 1, ANSWER: 8, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
sinarharian.com.my. 300 IN TXT "google-site-verification=KQPA95U8BRw4HFTUeFm80-zXjotw4R5jY2h6hc2cw5s"
sinarharian.com.my. 300 IN TXT "google-site-verification=j22ofil-fwyIN4BhCNAw20xQndKxFOCSLNQ17smcA_E"
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 "facebook-domain-verification=728x4aywxde9c3puekyrquh0sxuy0a"
sinarharian.com.my. 300 IN TXT "fastly-domain-delegation-avb53iuvnaoeu-20251230"
sinarharian.com.my. 300 IN TXT "fastly-domain-delegation-d41d8cd98f00b204e9800998ecf8427e-00578236-2025-12-29"
sinarharian.com.my. 300 IN TXT "fastly-domain-delegation-dbt4wckdo0yrnny46n-20251231"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14603
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
```

```
;; AUTHORITY SECTION:
sinarharian.com.my. 1800 IN SOA [austin.ns.cloudflare.com. dns.cloudflare.com. 2408411783 10000 2400 604800 1800
```

RRSIG

```
austin.ns.cloudflare.com. dns.cloudflare.com. 2408411783 10000 2400 604800 1800
SOA 13 3 1800 20260704202713 20260702182713 34505 sinarharian.com.my. /oXFEA7/h20jB0i8cRUS67co2J4S0qlrq7mnnkuupFxlLIa/RdT/ASHj +Yn0la3m+Sph0VfSsIL00gHc9eVQAA==
```

DNSKEY

```
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 64227
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
sinarharian.com.my. 3597 IN DNSKEY 256 3 13 oJMRESz5E4gYzS/q6XDrvU1qMPYIjCWzJa0au8XNEZeqCYKD5ar0IRd8 KqXXFJkqmVfRvMGPmM1x8fGaa2XhSA==
sinarharian.com.my. 3597 IN DNSKEY 257 3 13 mdsswJyr3DPW132m0i8V9xESWE8jTo0dxCjjnopKl+GqJxpVXckHAeF+ KkxLbxILFDLUT0rAK9iUzy1L53eKGQ==
```

DNSSEC_VALIDATION

```
;; validating sinarharian.com.my/SOA: no valid signature found
;; unsigned answer
sinarharian.com.my. 1797 IN SOA [austin.ns.cloudflare.com. dns.cloudflare.com. 2408411783 10000 2400 604800 1800
sinarharian.com.my. 1797 IN RRSIG SOA 13 3 1800 20260704202713 20260702182713 34505 sinarharian.com.my. /oXFEA7/h20jB0i8cRUS67co2J4S0qlrq7mnnkuupFxlLIa/RdT/ASHj
+Yn0la3m+Sph0VfSsIL00gHc9eVQAA==
```



```
-----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 3077 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	151.101.3.42
Connect Time	6.48 ms
TTFB	192.92 ms
Total Time	193.1 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, 03 Jul 2026 19:27:16 GMT",
  "8": "Via: 1.1 varnish",
  "9": "X-Served-By: cache-kul9829-KUL",
  "10": "X-Cache: HIT",
  "11": "X-Cache-Hits: 0",
  "12": "X-Timer: S1783106837.897728,VS0,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, 03 Jul 2026 19:27:16 GMT",
  "25": "Via: 1.1 varnish",
  "26": "X-Served-By: cache-kul9823-KUL",
  "27": "X-Cache: HIT",
  "28": "X-Cache-Hits: 0",
  "29": "X-Timer: S1783106837.902123,VS0,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": "x-amz-cf-id: TqWqXl_mLaYDVMIyDMS1JoJ0rbEcyYsMCaHejTzNacVas1lg5C4V4g==",
  "37": "x-powered-by: PHP/7.2.34",
  "38": "server: nginx",
  "39": "x-amz-cf-pop: MRS53-P1",
  "40": "age: 479",
  "41": "content-type: text/html; charset=UTF-8",
  "42": "via: 1.1 bed126d6f8ff1ad6bb93d4a49c5567b0.cloudfront.net (CloudFront), 1.1 varnish, 1.1 varnish",
  "43": "accept-ranges: bytes",
  "44": "date: Fri, 03 Jul 2026 19:27:17 GMT",
  "45": "x-served-by: cache-sin-wsat1880077-SIN, cache-sin-wsss1830098-SIN, cache-kul9821-KUL",
  "46": "x-cache: Hit from cloudfront, MISS, MISS, MISS",
  "47": "x-cache-hits: 0, 0, 0",
  "48": "x-timer: S1783106837.911073,VS0,VE177",
  "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	151.101.131.42
Connect Time	4.17 ms
TTFB	188.19 ms
Total Time	188.27 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, 03 Jul 2026 19:27:17 GMT",
  "6": "via: 1.1 varnish",
  "7": "x-served-by: cache-kul9825-KUL",
  "8": "x-cache: HIT",
  "9": "x-cache-hits: 0",
  "10": "x-timer: S1783106837.096676,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": "x-amz-cf-id: z0CgpAcTqefN3nl_gBAhYUJfU0_oBz3RozuaLliJ0rEzaZUo0wK9VA==",
  "18": "x-powered-by: PHP/7.2.34",
  "19": "server: nginx",
  "20": "x-amz-cf-pop: MRS53-P1",
  "21": "age: 480",
  "22": "content-type: text/html; charset=UTF-8",
  "23": "via: 1.1 eb6afa67988018dc1b15a93987c68bf2.cloudfront.net (CloudFront), 1.1 varnish, 1.1 varnish",
  "24": "accept-ranges: bytes",
  "25": "date: Fri, 03 Jul 2026 19:27:17 GMT",
  "26": "x-served-by: cache-sin-wsat1880028-SIN, cache-sin-wsss1830036-SIN, cache-kul9821-KUL",
  "27": "x-cache: Hit from cloudfront, MISS, MISS, MISS",
  "28": "x-cache-hits: 0, 0, 0",
  "29": "x-timer: S1783106837.105627,V50,VE171",
  "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 0.001783 0.004418
TCP Connect IPv4 → port 443	301 0.001370 0.019659

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
```