

IPv6 Readiness Report

hartalega.com.my — hartalega.com.my



Scan to verify

Category: Enterprise • Generated: 04 Jul 2026, 22:12 MYT • Last Checked: 04 Jul 2026, 03:48 MYT • Verification ID: 2a3a2095-96e7-46b3-afa5-fcaa5150795e

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

Audit trail: <https://ipv6.my6.my/audit/2a3a2095-96e7-46b3-afa5-fcaa5150795e>

<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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<p>IPv4 ADDRESSES</p> <p>103.228.54.223</p>
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Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	GIGABIT-MY
Country	MY
ASN	AS55720
ASN Name	GIGABIT-MY - Gigabit Hosting Sdn Bhd, MY
Network (CIDR)	103.228.54.0/24

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	FAIL	No valid RRSIG found.	

#	CHECK	RESULT	DETAIL
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	DKIM selector found: default_domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	103.228.54.223
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 299ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 255ms TTFB.

Audit Trail & Evidence Record

Verification ID	2a3a2095-96e7-46b3-afa5-fcaa5150795e
Domain	hartalega.com.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:48:04 MYT
Finished	04 Jul 2026, 03:48:08 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/2a3a2095-96e7-46b3-afa5-fcaa5150795e

Integrity Verification

<p>✓ INTEGRITY VERIFIED</p>	
Algorithm	hmac-sha256-v1
Root Hash	1db367a657bfc91dfa9c4fac03894b27bbfe8437b82b449c5bc810581505f2bb
http_headers	a4cc0d5b63fbc5d2704f1955cd1339039650a8752ec561e1acc7c36bb269c9b
dns_responses	230e8c4d8dea45533937355e4dd36e03f0293c1fbc2d836cb38f3855b468c094
tls_handshake	78f64e7dfd06229e383477a03b470885740f3b67b28efddc6e2cb267f93f77dc
connectivity_log	0b31914b8ad3d8969e1a28871c07e7486283d5f810fd3f5d51c85cf100ee5262
dns_resolution_times	2eb887f833baab78c227205f093fbf7695ad9d1177ab53f2de449a0aa5a27056

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	11.69	23.27	10.73	22.64	-1
Google	IPv4	41.36	65.22	29.45	66.71	-11.9
Google	IPv6	30.18	70.15	18.93	20.1	-11.3
Cloudflare	IPv4	9.93	19.13	10.63	21.02	+0.7
Cloudflare	IPv6	37.1	50.95	42.55	53.58	+5.5

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 39865
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
hartalega.com.my. 100 IN A 103.228.54.223
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 49371
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 2441 IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 59768
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
hartalega.com.my. 14400 IN MX 30 smtp2.hartalega.com.my.
hartalega.com.my. 14400 IN MX 9 hartalega.in.tmes.trendmicro.com.
hartalega.com.my. 14400 IN MX 10 smtp.hartalega.com.my.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 48957
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
hartalega.com.my. 86400 IN NS shuffling.gigamdns.com.
hartalega.com.my. 86400 IN NS am.gigamdns.com.
hartalega.com.my. 86400 IN NS i.gigamdns.com.
hartalega.com.my. 86400 IN NS everyday.gigamdns.com.
```

TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 41721
;; flags: qr rd ra; QUERY: 1, ANSWER: 13, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
hartalega.com.my. 14400 IN TXT "v=spf1 ip4:118.107.220.168 +a +mx ip4:103.212.71.20 ip4:103.212.71.41 +a:hartalega.com.my ip4:218.208.121.66 ip4:58.27.23.70 ip4:1.9.10.194 ip4:202.188.143.60 ip4:1.9.10.213 +include:spf.protection.outlook.com include:_spf-dc44.sapsf.com +include:s "pf.tmes.trendmicro.com -all"
hartalega.com.my. 14400 IN TXT "MS=A220FB22D8F73B4377CD80CAAADDA41D970A80A"
hartalega.com.my. 14400 IN TXT "kSs62+Z0RormM0rhinB412mc4WfGm1JY8CqA34nivAxTDPYwTgkv0UwohpCPiR8nEoM03soWa71mW1mRtUi/sA=="
hartalega.com.my. 14400 IN TXT "_globalsign-domain-verification=2T8htfvJBzcc5V8CGb87YD7c33_0-SHzRIWJGo_BII"
hartalega.com.my. 14400 IN TXT "google-site-verification=w4_je6Mmt8E2ZdN3WpYSGnXwPVAbUgWak3guYnfXvQY"
hartalega.com.my. 14400 IN TXT "google-site-verification=gk6BGPqLNLk8RQAHLCqgp60qA2Jsk0AYKwjG03AVHLo"
hartalega.com.my. 14400 IN TXT "google-gws-recovery-domain-verification=54398408"
hartalega.com.my. 14400 IN TXT "successfactors-site-verification=0DBmYzBkNDJhZDdLzJI3NzAxYTA10DcZzJkzZTc4YtJiMmRjYzY4YUW4ZTFmJY0NWZjMjM3ZGJlNDIwZmJkOQ=="
hartalega.com.my. 14400 IN TXT "tmes=fc13d40021d88fe230d319e9487d1a90"
hartalega.com.my. 14400 IN TXT "google-site-verification=66N5tHbbNK7zBqt9xvttJPerJ11tP9taunIJta7JBEK"
hartalega.com.my. 14400 IN TXT "sZx0z233ChJRKSN50080kasdAHA9VPCF9BwkXcXEXNeu5R+5SFjldC/48e/Vu4dWGNWdJ4IytwWECEP3P8Na9w=="
hartalega.com.my. 14400 IN TXT "2GAP1TF1R5EGCSTQ949WGCNSDL3ANGU4U1H5W8P7"
hartalega.com.my. 14400 IN TXT "google-site-verification=e-DXthR0DTN5FFdxPhmAnY35CLSJqMdVQEVBVgYU5cw8"
```

AAAA

```
;; Got answer:
```

```
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 18193
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
hartalega.com.my. 3598 IN SOA everyday.gigamdns.com. george.ng.thegigabit.com. 2026052203 3600 1800 1209600 86400
```

RRSIG

```
everyday.gigamdns.com. george.ng.thegigabit.com. 2026052203 3600 1800 1209600 86400
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 28897
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
hartalega.com.my. 3598 IN SOA everyday.gigamdns.com. george.ng.thegigabit.com. 2026052203 3600 1800 1209600 86400
```

DNSSEC_VALIDATION

```
; unsigned answer
hartalega.com.my. 86398 IN SOA everyday.gigamdns.com. george.ng.thegigabit.com. 2026052203 3600 1800 1209600 86400
```



```

KwYBBQUHAWEGCCsGAQUFBwMCMBSGA1UdIAQUMBIwBgYEVR0gADAI BgZngQwBAGew
VAYDVR0fBE0wSzBjOeEgRYZDaHR0cDovL2Ny bC5zZWNoawdvLmNvbS9TZWNoawdv
UHVibGljU2VydmVyQXV0aGVudGljYXRpb255b290UjQ2LmNy bDCBhAYIKwYBBQUH
AQEEeDB2ME8GCCsGAQUFBzACHkNodHRwOi8vY3J0LnNlY3RpZ28uY29tL1NlY3Rp
Z290dWJsaWNTZXJ2ZXJkdXR0ZW50awNhdGlvb1Jvb3RSNDYucDdjMCMGCCsGAQUF
BzABhhdodHRwOi8vbn2zc5zZWNoawdvLmNvbTANBgkqhkiG9w0BAQwFAAOCAGEA
Yt0C9Fy+TqECFw40IospI92kLGoSZGPOSQXMBqmsGWZUQ7rux7cjl1du6d9rD6C8
ze1B2e0jkrGkIL/0F1s7vSmgYVafsRoZd/IHUrkoQvX8FZwUsmPu7amgBfaY3g+d
q1x0jNGKb6I6Bzd16LgMD9qxp+3i7GQ0nd9J8LFSietY6Z4jUBzVo0oz8iAU840F
h2HhAuiPw1ai0VnY38RTI+8kepGWVfGxfBWzW9uIjeoIeaosVFvE8cmYUB4TSH
5dUyD0jHct2+8ceKEtIoFU/Ffhq/mDaVnvcDCZxtIgitdMFQdMZAvehmObyhRdDD
4NQCs0gaI9AAgFj4L90tkARzhQLNyRf87Kln+YU0lgCGr9HLg3rG08q+Y4pplSod
unQZ6zXPNGIf0ApbPVf5hCe58EZwiWdHIMn9LPP6+F404y8NNugbQixBber+x536
WrZhfZLjEkhp7fFXf9r32rNPFb74X/U90Bdy4Lzpz+X1ukh1BuMxA/EEhDoTOS3L
7ABvc7BYSQubQ24900cdkIzUh3ZwDrakMvrbaTxUM2p24N6dB+ns2zptWCva6jzW
r8IWKIMxzxLPv5Kt3ePKcUdvkBU/smqjSczTzzSjIoR5QqQA6lN1ZRsnuHIWcvh
JELtYnTAH41QJ6SAW066GrrUESwN/cgZzL4JLEqz1Y=
-----END CERTIFICATE-----
2 s:C = GB, 0 = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
i:C = US, ST = New Jersey, L = Jersey City, 0 = The USERTRUST Network, CN = USERTrust RSA Certification Authority
a:PKKEY: rsaEncryption, 4096 (bit); sigalg: RSA-SHA384
v:NotBefore: Mar 22 00:00:00 2021 GMT; NotAfter: Jan 18 23:59:59 2038 GMT
-----BEGIN CERTIFICATE-----
MIIGLTCCBH2gAwIBAgIRANJ/u8HeNZ5SFq1hSVhgmcQwDQYJKoZIhvcNAQEMBQAw
gYgx CzAJBgNVBAYTALVTMRMwEQYDVOQIEwpOZXcgSmVyc2V5MRQwEgYDVOQHEwtK
ZXJzZXkgQ2l0eTEeMBwGA1UEChMVVGHlIFVTRVJUULVTVCB0ZXR3b3JrMS4wLWYD
VQ0EYVU0VSVHJlc3QgU1NBIENlcnRpb2g0XV0aG9yaXR5XRSMB4XDITx

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	103.228.54.223
Connect Time	7.16 ms
TTFB	238.36 ms
Total Time	238.45 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:48:07 GMT",
  "2": "Server: Apache",
  "3": "Strict-Transport-Security: max-age=31536000; includeSubDomains; preload",
  "4": "Location: https://hartalega.com.my/",
  "5": "Content-Type: text/html; charset=iso-8859-1",
  "7": "HTTP/1.1 200 OK",
  "8": "Date: Fri, 03 Jul 2026 19:48:07 GMT",
  "9": "Server: Apache",
  "10": "Content-Security-Policy: default-src 'self'; script-src 'self' 'unsafe-inline' 'unsafe-eval' blob: https://cdnjs.cloudflare.com https://www.gstatic.com https://www.googletagmanager.com https://www.google-analytics.com https://insage.com.my https://www.google.com; worker-src 'self' blob; style-src 'self' 'unsafe-inline' https://hartalega.com.my https://insage.com.my https://cdnjs.cloudflare.com; img-src 'self' data: https://secure.gravatar.com https://img.youtube.com https://hartalega.com.my https://insage.com.my https://www.google-analytics.com https://www.googletagmanager.com; font-src 'self' data: https://hartalega.com.my https://insage.com.my; connect-src 'self' https://www.google-analytics.com https://www.googletagmanager.com https://insage.com.my; frame-src 'self' https://www.youtube.com https://www.youtube-nocookie.com https://www.google.com https://insage.com.my https://www.insage.com.my https://hartalega.com.my; object-src 'self' https://hartalega.com.my; base-uri 'self'; form-action 'self'; upgrade-insecure-requests; block-all-mixed-content;",
  "11": "Strict-Transport-Security: max-age=31536000; includeSubDomains; preload",
  "12": "X-Content-Type-Options: nosniff",
  "13": "X-XSS-Protection: 1; mode=block",
  "14": "X-Frame-Options: SAMEORIGIN, SAMEORIGIN",
  "15": "Referrer-Policy: no-referrer",
  "16": "Permissions-Policy: private-state-token-redemption=(self \"https://www.google.com\" \"https://www.gstatic.com\" \"https://recaptcha.net\" \"https://challenges.cloudflare.com\" \"https://hcaptcha.com\"), private-state-token-issuance=(self \"https://www.google.com\" \"https://www.gstatic.com\" \"https://recaptcha.net\" \"https://challenges.cloudflare.com\" \"https://hcaptcha.com\"),",
  "17": "Link: <https://hartalega.com.my/wp-json/>; rel=\"https://api.w.org/\", <https://hartalega.com.my/wp-json/wp/v2/pages/5>; rel=\"alternate\"; title=\"JSON\"; type=\"application/json\", <https://hartalega.com.my/>; rel=shortlink",
  "18": "Access-Control-Allow-Origin: https://hartalega.com.my",
  "19": "Access-Control-Allow-Credentials: true",
  "20": "Access-Control-Allow-Methods: OPTIONS, GET, POST, PUT, PATCH, DELETE",
  "21": "Access-Control-Allow-Headers: Authorization, X-WP-Nonce, Content-Disposition, Content-MD5, Content-Type",
  "22": "X-Debug-Test: AllowOverride Works",
  "23": "Content-Type: text/html; charset=UTF-8"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	103.228.54.223
Connect Time	2.07 ms
TTFB	233.03 ms
Total Time	233.08 ms

Response Headers:

```
[
  "HTTP/1.1 200 OK",
  "Date: Fri, 03 Jul 2026 19:48:08 GMT",
  "Server: Apache",
  "Content-Security-Policy: default-src 'self'; script-src 'self' 'unsafe-inline' 'unsafe-eval' blob: https://cdnjs.cloudflare.com https://www.gstatic.com https://www.googletagmanager.com https://www.google-analytics.com https://insage.com.my https://www.google.com; worker-src 'self' blob; style-src 'self' 'unsafe-inline' https://hartalega.com.my https://insage.com.my https://cdnjs.cloudflare.com; img-src 'self' data: https://secure.gravatar.com https://img.youtube.com https://hartalega.com.my https://insage.com.my https://www.google-analytics.com https://www.googletagmanager.com; font-src 'self' data: https://hartalega.com.my https://insage.com.my; connect-src 'self' https://www.google-analytics.com https://www.googletagmanager.com https://insage.com.my; frame-src 'self' https://www.youtube.com https://www.youtube-nocookie.com https://www.google.com https://insage.com.my https://www.insage.com.my https://hartalega.com.my; object-src 'self' https://hartalega.com.my; base-uri 'self'; form-action 'self'; upgrade-insecure-requests; block-all-mixed-content;",
  "Strict-Transport-Security: max-age=31536000; includeSubDomains; preload",
  "X-Content-Type-Options: nosniff",
  "X-XSS-Protection: 1; mode=block",
  "X-Frame-Options: SAMEORIGIN, SAMEORIGIN",
  "Referrer-Policy: no-referrer",
  "Permissions-Policy: private-state-token-redemption=(self \"https://www.google.com\" \"https://www.gstatic.com\" \"https://recaptcha.net\"
```

```
\\"https://challenges.cloudflare.com\\" \\"https://hcaptcha.com\\"), private-state-token-issuance=(self \\"https://www.google.com\\" \\"https://www.gstatic.com\\"
\\"https://recaptcha.net\\" \\"https://challenges.cloudflare.com\\" \\"https://hcaptcha.com\\"),
  "Link: <https://hartalega.com.my/wp-json/>; rel=\\"https://api.w.org/\", <https://hartalega.com.my/wp-json/wp/v2/pages/5>; rel=\\"alternate\\"; title=\\"JSON\\";
type=\\"application/json\\", <https://hartalega.com.my/>; rel=shortlink",
  "Access-Control-Allow-Origin: https://hartalega.com.my",
  "Access-Control-Allow-Credentials: true",
  "Access-Control-Allow-Methods: OPTIONS, GET, POST, PUT, PATCH, DELETE",
  "Access-Control-Allow-Headers: Authorization, X-WP-Nonce, Content-Disposition, Content-MD5, Content-Type",
  "X-Debug-Test: AllowOverride Works",
  "Content-Type: text/html; charset=UTF-8"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.002350 0.005996
TCP Connect IPv4 → port 443	200 0.002972 0.463229

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
```