# IPv6 Readiness Report

**hartalega.com.my — hartalega.com.my**

Scan to verify

Category: Enterprise • Generated: 02 Nov 2026, 03:11 MYT • Last Checked: 08 Aug 2026, 18:30 MYT • Verification ID: 8ebacf0d-f91a-4447-9005-c773e7f2b916
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/8ebacf0d-f91a-4447-9005-c773e7f2b916

✗

**Non-Compliant**

MGv6C-1.0

**43%**

**No IPv6 Support**

**IPV6-ONLY READINESS**

Website: ✗ **Not Ready**

DNS: ✓ **Ready**

Email: ✗ **Not Ready**

**IPV4 ADDRESSES**

`103.228.54.223`

## 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 — 281ms TTFB. |
| 3 | **HTTPS over IPv4** | PASS | HTTPS (port 443) responds over IPv4 — 241ms TTFB. |

## Audit Trail & Evidence Record

| | |
|---|---|
| **Verification ID** | 8ebacf0d-f91a-4447-9005-c773e7f2b916 |
| **Domain** | hartalega.com.my |
| **Check Mode** | Manual |
| **Status** | Completed |
| **Started** | 08 Aug 2026, 18:30:43 MYT |
| **Finished** | 08 Aug 2026, 18:30:49 MYT |
| **Test Node Profile** | dual stack |
| **Engine Version** | 2.0.0 |
| **MGv6C Version** | 1.0.0 |
| **Audit URL** | https://ipv6.my6.my/audit/8ebacf0d-f91a-4447-9005-c773e7f2b916 |

## Integrity Verification

✓ **INTEGRITY VERIFIED**

| | |
|---|---|
| **Algorithm** | hmac-sha256-v1 |
| **Root Hash** | 0e26d40ebb4e17eecf1622d8d981d4639ec2fee507366ee399bf8e468e3c2136 |
| **http_headers** | 5dadf3a1792ceaea4c9c92e75b7de6cc2923fbe564f23d4129e97c8ce7c8578a |
| **dns_responses** | 938f43de221d02dcc52451bc969cdaabf964c1f99b84f405885f8d354b7275a1 |
| **tls_handshake** | 76c2ca17db5a42b4e5e43067742a5a98167a82147a4aed868950d548c1f56691 |
| **connectivity_log** | dc0fed530fb1bef7e0c9eebe0a3997e18e245ba97cae2f21126e9cef359c808a |
| **dns_resolution_times** | e17182e7ab4ca3718a305e05b37b65fdaab94860672528ef4b507115d6bd8b7b |

## Test Node Identity

| | |
|---|---|
| **Os** | Linux srv1440888 6.8.0-136-generic #136-Ubuntu SMP PREEMPT_DYNAMIC Wed Jul 1 21:53:05 UTC 2026 x86_64 |
| **Hostname** | srv1440888 |
| **Php Version** | 8.3.33 |
| **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 | 23.42 | 23.92 | 22.42 | 22.76 | -1 |
| **Google** | IPv4 | 68.43 | 165.72 | 179.58 | 188.36 | +111.2 |
| **Google** | IPv6 | 42.5 | 161.22 | 79.84 | 156.79 | +37.3 |
| **Cloudflare** | IPv4 | 22.83 | 24.13 | 22.9 | 23.21 | +0.1 |
| **Cloudflare** | IPv6 | 21.44 | 47.52 | 22.98 | 49.67 | +1.5 |

## DNS Evidence

### A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 11660
;; 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: 27895
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.		3040	IN	SOA	e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

### MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 46661
;; 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	10 smtp.hartalega.com.my.
hartalega.com.my.	14400	IN	MX	9 hartalega.in.tmes.trendmicro.com.
```

### NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 45948
;; 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.	59566	IN	NS	everyday.gigamydns.com.
hartalega.com.my.	59566	IN	NS	i.gigamydns.com.
hartalega.com.my.	59566	IN	NS	shuffling.gigamydns.com.
hartalega.com.my.	59566	IN	NS	am.gigamydns.com.
```

### TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 35427
;; 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	"MS=A220FB22D8F73B4377CD80CAAADDAA41D970A80A"
hartalega.com.my.	14400	IN	TXT	"kSs62+Z0RormMOrhinB412mc4WfGm1JY8CqA34nivAxTDPYwTgkvOUwohpCPiR8nEoMO3soWa71mW1mRtUi/sA=="
hartalega.com.my.	14400	IN	TXT	"_globalsign-domain-verification=2T8htfvJBzcz5V8CGb87YD7c33_0-SHzRIWJGo_BII"
hartalega.com.my.	14400	IN	TXT	"google-site-verification=W4_Je6MMt8E2ZdN3WpYSGnXwPVAbUgWAk3guYnfXvQY"
hartalega.com.my.	14400	IN	TXT	"google-site-verification=gk6BGPqLNlk8RQAHlCqgp60qA2JskOAYKwjG03AVHLo"
hartalega.com.my.	14400	IN	TXT	"google-gws-recovery-domain-verification=54398408"
hartalega.com.my.	14400	IN	TXT	"successfactors-site-verification=ODBmYzBkNDJhZDdlZjI3NzAxYTA1ODc2ZjkzZTc4YTJiMmRjYzY4YWU4ZTFmNjY0NWZjMjM3ZGJlNDIwZmJkOQ=="
hartalega.com.my.	14400	IN	TXT	"tmes=fc13d40021d88fe230d319e9487d1a90"
hartalega.com.my.	14400	IN	TXT	"google-site-verification=66N5tHbbNK7zBqt9xvttJPerJ11tP9taunIJta7JBEk"
hartalega.com.my.	14400	IN	TXT	"sZxQz233ChJRKSNS008OkasdAHa9VPcF9BwkXcXEXNeu5R+5SFjldC/48e/Vu4dWGNWdJ4IytwWECEP3P8Na9w=="
hartalega.com.my.	14400	IN	TXT	"2GAP1TF1R5EGCSTQ949WGCNSDL3ANGU4U1H5W8P7"
hartalega.com.my.	14400	IN	TXT	"google-site-verification=e-DXthR0DTN5FFdxPhmAnY35CLSJqMdVQEBVgYU5cw8"
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"
```

### AAAA

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 14304
;; 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.gigamydns.com. george\.ng.thegigabit.com. 2026052203 3600 1800 1209600 86400
```

**RRSIG**

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

**DNSKEY**

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 44269
;; 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.gigamydns.com. george\.ng.thegigabit.com. 2026052203 3600 1800 1209600 86400
```

**DNSSEC_VALIDATION**

```
; unsigned answer
hartalega.com.my.␣59566␣IN␣SOA␣everyday.gigamydns.com. george\.ng.thegigabit.com. 2026052203 3600 1800 1209600 86400
```

## TLS Handshake Evidence

### IPV4 Connection

| | |
|---|---|
| **IP Used** | 103.228.54.223 |
| **IP Version** | 4 |

```
depth=2 C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
verify return:1
depth=1 C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA DV R36
verify return:1
depth=0 CN = *.hartalega.com.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = *.hartalega.com.my
   i:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA DV R36
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Aug 18 00:00:00 2025 GMT; NotAfter: Sep  9 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGjjCCBPagAwIBAgIQWrcG3/4Yo0CtmK26EtTtWTANBgkqhkiG9w0BAQsFADBg
MQswCQYDVQQGEwJHQjEYMBYGA1UEChMPU2VjdGlnbyBMaW1pdGVkMTcwNQYDVQQD
Ey5TZWN0aWdvIFB1YmxpYyBTZXJ2ZXIgQXV0aGVudGljYXRpb24gQ0EgRFYgUjM2
MB4XDTI1MDgxODAwMDAwMFoXDTI2MDkwOTIzNTk1OVowHTEbMBkGA1UEAwwSKi5o
YXJ0YWxlZ2EuY29tLm15MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEA
38C8Z9Ipg5dZtIz5EGOAJnyeerYpTA7bHjMax+y7WGOHGqndVOhLV05j8iq/qrdL
8ceJ8VBHNnUqvSMG40KFb91GcRCG1VWbB4eRxqJvVO8XHLocV9s/H/NUJQ6cm/Tl
KKTRfhyd4ST//7mI4xiJDfuB6A9ThwGxOHkksrU+u5701PtJfFtbRaIiOKXtPdQ/
8i+RkHkROCaTTFMrszgJbFt4sPtLGJArf+r3lJeCsX84NH7pQkiPVhUZicOyPETJ
6tlA2iP8QIAaGZka+2sp9MW6AZRHg4jsFlHXcR3UBrIzfeALAUhqFnjoeFK4Nyak
Mw1OlD6UF+3afKmcQQfGMwIDAQABo4IDBTCCAwEwHwYDVR0jBBgwFoAUaMASFhgO
r872h6YyV6NGUV3LBycwHQYDVR0OBBYEFEUoVdD5h8FcflPRcUaHuHG+56duMA4G
A1UdDwEB/wQEAwIFoDAMBgNVHRMBAf8EAjAAMB0GA1UdJQQWMBQGCCsGAQUFBwMB
BggrBgEFBQcDAjBJBgNVHSAEQjBAMDQGCysGAQQBsjEBAgIHMCUwIwYIKwYBBQUH
AgEWF2h0dHBzOi8vc2VjdGlnby5jb20vQ1BTMAgGBmeBDAECATCBhAYIKwYBBQUH
AQEEeDB2ME8GCCsGAQUFBzAChkNodHRwOi8vY3J0LnNlY3RpZ28uY29tL1NlY3Rp
Z29QdWJsaWNTZXJ2ZXJBdXRoZW50aWNhdGlvbkNBRFZSMzYuY3J0MCMGCCsGAQUF
BzABhhdodHRwOi8vb2NzcC5zZWN0aWdvLmNvbTAvBgNVHREEKDAmghIqLmhhcnRh
bGVnYS5jb20ubXmCEGhhcnRhbGVnYS5jb20ubXkwggF9BgorBgEEAdZ5AgQCBIIB
bQSCAWkBZwB2ANgJVTuUT3r/yBYZb5RPhauw+Pxeh1UmDxXRLnK7RUsUAAABmLsk
UJQAAAQDAEcwRQIgPTxAkslxkjQg2Cg2bee8ae3NJWP5d8LKw/R9wBlxMSsCIQC2
kspF0cBZkSxNM8QmimdXJtbv3sOux/v5yhTJBgVlaAB1AKyrMHBs6+yEMfQT0vSR
XxEeQiRDsfKmjE88KzunHgLDAAABmLskUIIAAAQDAEYwRAIgRfbE5khz1W1KAEsJ
xGMJmSDDnIe30T+/J1CfGJVmp5cCIG91MNMHfuh4py/VVugUATGUDloL8pbHkhsO
eO6dJYelAHYA1219ENGn9XfCx+lf1wC/+YLJM1pl4dCzAXMXwMjFaXcAAAGYuyRQ
JAAABAMARzBFAiAy3olJU2z+uSxnEqCkQKJms30F69vR2XUcsfq6giFKPwIhALmk
KSzHRH0PFEERSuFYiadH2Fjz4djV2YZw+ZRdK9uuMA0GCSqGSIb3DQEBCwUAA4IB
gQAty6eeM0PBBvk7ICkOziXrznRh8EqPYrVLkoFIzMJML9z6YMniKZKFoPrDLlkL
QpcRL32oCAxhXJHiUv9LO0fAvj0rY5MW8p2IQqzWezZkJrkEqi8J8znU66VfQxGi
C88gfVomM6+0TYeNHygdNYhHe/SPetP89deStVC6qKUbW2rLBlxpxktFWAvIxn0n
AIj6Z5XNhdbgvIPtgUw7OVGDqbahKak8jdFJ42VvtX8xk7mQNdlqYxjOkus7LKcP
1NdYWOxbNSjcxcvd+Uw21XpzkPdrcMr6Svk1hJfxv1j2xQjRs0PzeuhhInG3ZhSa
cfGL040t0E3TYevKnEdsjCbP83feD5QFJlrlUkPfMTRjI/yjowYQztbYm8b9MeMR
rwfHmN8elhcHrnt+06H9fMW8HIOZ0+aMBx5dwvK8mvOIoZoLx53vlpwntET4xzMa
txv0nLvy9KxNfuLnG7qEA2qjw9rpnYEBqzaaGXvNAOaJitDRPElyKduQ4jY1ZhFX
QM8=
-----END CERTIFICATE-----
 1 s:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA DV R36
   i:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
   a:PKEY: rsaEncryption, 3072 (bit); sigalg: RSA-SHA384
   v:NotBefore: Mar 22 00:00:00 2021 GMT; NotAfter: Mar 21 23:59:59 2036 GMT
-----BEGIN CERTIFICATE-----
MIIGTDCCBDSgAwIBAgIQOXpmzCdWNi4NqofKbqvjsTANBgkqhkiG9w0BAQwFADBf
MQswCQYDVQQGEwJHQjEYMBYGA1UEChMPU2VjdGlnbyBMaW1pdGVkMTYwNAYDVQQD
Ey1TZWN0aWdvIFB1YmxpYyBTZXJ2ZXIgQXV0aGVudGljYXRpb24gUm9vdCBSNDYw
HhcNMjEwMzIyMDAwMDAwWhcNMzYwMzIxMjM1OTU5WjBgMQswCQYDVQQGEwJHQjEY
MBYGA1UEChMPU2VjdGlnbyBMaW1pdGVkMTcwNQYDVQQDEy5TZWN0aWdvIFB1Ymxp
YyBTZXJ2ZXIgQXV0aGVudGljYXRpb24gQ0EgRFYgUjM2MIIBojANBgkqhkiG9w0B
AQEFAAOCAY8AMIIBigKCAYEAljZf2HIz7+SPUPQCQObZYcrxLTHYdf1ZtMRe7Yeq
RPSwygz16qJ9cAWtWNTcuICc++p8Dct7zNGxCpqmEtqifO7NvuB5dEVexXn9RFFH
12Hm+NtPRQgXIFjx6MSJcNWuVO3XGE57L1mHlcQYj+g4hny90aFh2SCZCDEVkAja
EMMfYPKuCjHuuF+bzHFb/9gV8P9+ekcHENF2nR1efGWSKwnfG5RawlkaQDpRtZTm
M64TIsv/r7cyFO4nSjs1jLdXYdz5q3a4L0NoabZfbdxVb+CUEHfB0bpulZQtH1Rv
38e/lIdP7OTTIlZh6OYL6NhxP8So0/sht/4J9mqIGxRFc0/pC8suja+wcIUna0HB
pXKfXTKpzgis+zmXDL06ASJf5E4A2/m+Hp6b84sfPAwQ766rI65mh50S0Di9E3Pn
2WcaJc+PILsBmYpgtmgWTR9eV9otfKRUBfzHUHcVgarub/XluEpRlTtZudU5xbFN
xx/DgMrXLUAPaI60fZ6wA+PTAgMBAAGjggGBMIIBfTAfBgNVHSMEGDAWgBRWc1hk
lfmSGrASKgRieaFAFYghSTAdBgNVHQ4EFgQUaMASFhgOr872h6YyV6NGUV3LBycw
DgYDVR0PAQH/BAQDAgGGMBIGA1UdEwEB/wQIMAYBAf8CAQAwHQYDVR0lBBYwFAYI
```

```
KwYBBQUHAwEGCCsGAQUFBwMCMBsGA1UdIAQUMBIwBgYEVR0gADAIBgZngQwBAgEw
VAYDVR0fBE0wSzBJoEegRYZDaHR0cDovL2NybC5zZWN0aWdvLmNvbS9TZWN0aWdv
UHVibGljU2VydmVyQXV0aGVudGljYXRpb25Sb290UjQ2LmNybDCBhAYIKwYBBQUH
AQEEeDB2ME8GCCsGAQUFBzAChkNodHRwOi8vY3J0LnNlY3RpZ28uY29tL1NlY3Rp
Z29QdWJsaWNTZXJ2ZXJBdXRoZW50aWNhdGlvblJvb3RSNDYucDdjMCMGCCsGAQUF
BzABhhdodHRwOi8vb2NzcC5zZWN0aWdvLmNvbTANBgkqhkiG9w0BAQwFAAOCAgEA
YtOC9Fy+TqECFw40IospI92kLGgoSZGPOSQXMBqmsGWZUQ7rux7cj1du6d9rD6C8
ze1B2eQjkrGkIL/OF1s7vSmgYVafsRoZd/IHUrkoQvX8FZwUsmPu7amgBfaY3g+d
q1x0jNGKb6I6Bzdl6LgMD9qxp+3i7GQOnd9J8LFSietY6Z4jUBzVoOoz8iAU84OF
h2HhAuiPw1ai0VnY38RTI+8kepGWVfGxfBWzwH9uIjeooIeaosVFvE8cmYUB4TSH
5dUyD0jHct2+8ceKEtIoFU/FfHq/mDaVnvcDCZXtIgitdMFQdMZaVehmObyhRdDD
4NQCs0gaI9AAgFj4L9QtkARzhQLNyRf87Kln+YU0lgCGr9HLg3rGO8q+Y4ppLsOd
unQZ6ZxPNGIfOApbPVf5hCe58EZwiWdHIMn9lPP6+F404y8NNugbQixBber+x536
WrZhFZLjEkhp7fFXf9r32rNPfb74X/U90Bdy4lzp3+X1ukh1BuMxA/EEhDoTOS3l
7ABvc7BYSQubQ2490OcdkIzUh3ZwDrakMVrbaTxUM2p24N6dB+ns2zptWCva6jzW
r8IWKIMxzxLPv5Kt3ePKcUdvkBU/smqujSczTzzSjIoR5QqQA6lN1ZRSnuHIWCvh
JEltkYnTAH41QJ6SAWO66GrrUESwN/cgZzL4JLEqz1Y=
-----END CERTIFICATE-----
 2 s:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
   i:C = US, ST = New Jersey, L = Jersey City, O = The USERTRUST Network, CN = USERTrust RSA Certification Authority
   a:PKEY: 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
gYgxCzAJBgNVBAYTAlVTMRMwEQYDVQQIEwpOZXcgSmVyc2V5MRQwEgYDVQQHEwtK
ZXJzZXkgQ2l0eTEeMBwGA1UEChMVVGhlIFVTRVJUUlVTVCBOZXR3b3JrMS4wLAYD
VQQDEyVVU0VSVHJ1c3QgUlNBIENlcnRpZmljYXRpb24gQXV0aG9yaXR5MB4XDTIx
```

## HTTP Response Evidence

### IPv4 HTTP (port 80)

| | |
|---|---|
| **HTTP Status** | 200 |
| **Connected IP** | 103.228.54.223 |
| **Connect Time** | 5.49 ms |
| **TTFB** | 248.16 ms |
| **Total Time** | 248.23 ms |

**Response Headers:**


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Date: Sat, 08 Aug 2026 10:30:48 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: Sat, 08 Aug 2026 10:30:48 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** | 2.42 ms |
| **TTFB** | 220.31 ms |
| **Total Time** | 220.35 ms |

**Response Headers:**


```
[
    "HTTP/1.1 200 OK",
    "Date: Sat, 08 Aug 2026 10:30:48 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 0.001987 0.004454 |
| **TCP Connect IPv4 → port 443** | 200 0.002100 0.419786 |

## 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
fd7a:115c:a1e0::1136:5807 dev tailscale0 proto kernel metric 256 pref medium
fe80::/64 dev eth0 proto kernel metric 256 pref medium
fe80::/64 dev tailscale0 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
```