

# IPv6 Readiness Report

astro.com.my — astro.com.my




Scan to verify

Category: Telco • Generated: 13 Jun 2026, 19:12 MYT • Last Checked: 13 Jun 2026, 01:02 MYT • Verification ID: d4503280-670f-478c-bf26-57328cbc94a2

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

Audit trail: <https://ipv6.my6.my/audit/d4503280-670f-478c-bf26-57328cbc94a2>



**Partially Compliant**  
MGv6C-1.0

**73%**  
Partial Support

**IPv6-ONLY READINESS**

Website: ✓ Ready

DNS: ✓ Ready

Email: ✗ Not Ready

**IPv6 ADDRESSES**

|                      |
|----------------------|
| 2606:4700::6811:4541 |
| 2606:4700::6811:4641 |

**IPv4 ADDRESSES**

|              |
|--------------|
| 13.33.45.99  |
| 13.33.45.71  |
| 13.33.45.35  |
| 13.33.45.116 |

## Network Information (WHOIS / RDAP)

|                | IPv6 Network                         | IPv4 Network                     |
|----------------|--------------------------------------|----------------------------------|
| Organization   | Cloudflare, Inc.                     | Amazon.com, Inc.                 |
| Country        | US                                   | US                               |
| ASN            | AS13335                              | AS16509                          |
| ASN Name       | CLOUDFLARENET - Cloudflare, Inc., US | AMAZON-02 - Amazon.com, Inc., US |
| Network (CIDR) | 2606:4700::/32                       | 13.32.0.0/15                     |

**Web Services** (35%) 7 / 8

| # | CHECK                               | RESULT                                  | DETAIL  |
|---|-------------------------------------|---|---|
| 1 | <b>AAAA Record</b>                  | <span style="color: green;">PASS</span> | 2606:4700::6811:4541, 2606:4700::6811:4641  |
| 2 | <b>Globally Routable IPv6</b>       | <span style="color: green;">PASS</span> | All addresses are globally routable.  |
| 3 | <b>HTTP over IPv6</b>               | <span style="color: green;">PASS</span> | HTTP (port 80) responds over IPv6.  |
| 4 | <b>HTTPS over IPv6</b>              | <span style="color: green;">PASS</span> | HTTPS (port 443) responds over IPv6.  |
| 5 | <b>IPv6-Only Reachability</b>       | <span style="color: green;">PASS</span> | Site is fully reachable via IPv6-only.  |
| 6 | <b>TLS Certificate Valid (IPv6)</b> | <span style="color: green;">PASS</span> | Certificate valid — issued by C = US, O = Google Trust Services, CN = WE1, expires Jul 18 23:43:11 2026 GMT |
| 7 | <b>Dual-Stack (IPv4 + IPv6)</b>     | <span style="color: green;">PASS</span> | Domain has both A and AAAA records.   |
| 8 | <b>HTTP/3 (QUIC)</b>                | <span style="color: red;">FAIL</span>   | No HTTP/3 support detected.   |

**DNS & DNSSEC** (25%) 3 / 5

| # | CHECK                              | RESULT                                  | DETAIL  |
|---|------------------------------------|---|---|
| 1 | <b>NS Has AAAA Record</b>          | <span style="color: green;">PASS</span> | Nameserver has IPv6 address.                  |
| 2 | <b>NS Reachable via IPv6</b>       | <span style="color: green;">PASS</span> | Nameserver is reachable via IPv6 on port 53.  |
| 3 | <b>NS Answers Queries via IPv6</b> | <span style="color: green;">PASS</span> | DNS queries answered over IPv6.               |
| 4 | <b>DNSSEC Validated</b>            | <span style="color: red;">FAIL</span>   | DNSSEC validation failed or zone is unsigned. |
| 5 | <b>Reverse DNS (PTR)</b>           | <span style="color: red;">FAIL</span>   | No PTR record found.                          |

| # | CHECK                      | RESULT      | DETAIL                  |
|---|----------------------------|-------------|-------------------------|
| 6 | <b>DS Record at Parent</b> | <b>FAIL</b> | No DS record at parent. |
| 7 | <b>RRSIG Valid</b>         | <b>FAIL</b> | No valid RRSIG found.   |
| 8 | <b>Signing Algorithm</b>   | <b>INFO</b> | No DNSKEY record found. |

**Email Services** (25%) 3 / 6

| # | CHECK                          | RESULT      | DETAIL                            |
|---|--------------------------------|-------------|-----------------------------------|
| 1 | <b>MX Record Exists</b>        | <b>PASS</b> | MX record found.                  |
| 2 | <b>MX Server Has IPv6</b>      | <b>FAIL</b> | MX server has no IPv6 address.    |
| 3 | <b>SMTP Reachable via IPv6</b> | <b>FAIL</b> | SMTP is not reachable over IPv6.  |
| 4 | <b>STARTTLS over IPv6</b>      | <b>FAIL</b> | STARTTLS not available over IPv6. |
| 5 | <b>SPF Record</b>              | <b>PASS</b> | SPF record found.                 |
| 6 | <b>DKIM Selector</b>           | <b>INFO</b> | DKIM selector found: k1_domainkey |
| 7 | <b>DMARC Record</b>            | <b>PASS</b> | DMARC record found.               |

**IPv4 Baseline** (15%) 3 / 3

| # | CHECK                  | RESULT      | DETAIL  |
|---|------------------------|-------------|---|
| 1 | <b>A Record</b>        | <b>PASS</b> | 13.33.45.99, 13.33.45.71, 13.33.45.35, 13.33.45.116 |
| 2 | <b>HTTP over IPv4</b>  | <b>PASS</b> | HTTP (port 80) responds over IPv4 — 346ms TTFB.     |
| 3 | <b>HTTPS over IPv4</b> | <b>PASS</b> | HTTPS (port 443) responds over IPv4 — 108ms TTFB.   |

### Audit Trail & Evidence Record

|                   |  |
|-------------------|--|
| Verification ID   | d4503280-670f-478c-bf26-57328cbc94a2                           |
| Domain            | astro.com.my   |
| Check Mode        | Scheduled  |
| Status            | Completed  |
| Started           | 13 Jun 2026, 01:02:41 MYT                                      |
| Finished          | 13 Jun 2026, 01:02:50 MYT                                      |
| Test Node Profile | dual stack   |
| Engine Version    | 2.0.0  |
| MGv6C Version     | 1.0.0  |
| Audit URL         | https://ipv6.my6.my/audit/d4503280-670f-478c-bf26-57328cbc94a2 |

### Integrity Verification

|                                    |  |
|------------------------------------|--|
| <p><b>✓ INTEGRITY VERIFIED</b></p> |  |
| Algorithm                          | hmac-sha256-v1   |
| Root Hash                          | 65f9434cbfb05d8edfbf41efe64f1f6674245ec913bfb3fb84f9ed60f511ccee |
| http_headers                       | e9b7db428d9b0f9b367118247fb073e6ac7f83aa286feb8a0e33ded64de98083 |
| dns_responses                      | 6cc1e8f5d0a0688dfc16422e613d41976aa9858d77310fea1f653d06e25c8096 |
| tls_handshake                      | 7a541bb3902692a7fdd0ba37e66e5c7c6848cf58a923d7831d1eaf2db735739f |
| connectivity_log                   | 089abec9dc7a0d7ff3d37affda23999e687db12718eacc5b2cb5d8da2c4f6fe5 |
| dns_resolution_times               | 01ae739c643bf889f77cf0c398e32090439e452ba16e53143e730aa0e93c0fa4 |

### 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 | -  |
| 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   | 7.84       | 18.53      | 9.2           | 18.46         | +1.4       |
| Google     | IPv4      | 25.3       | 31.85      | 29.16         | 34.56         | +3.9       |
| Google     | IPv6      | 33.63      | 72.84      | 27.56         | 34.51         | -6.1       |
| Cloudflare | IPv4      | 13.27      | 22.51      | 10.92         | 11.98         | -2.4       |
| Cloudflare | IPv6      | 19.79      | 21.04      | 18.4          | 20.11         | -1.4       |



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 10465
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
astro.com.my. 00600IN A 18.161.179.44
astro.com.my. 00600IN A 18.161.179.81
astro.com.my. 00600IN A 18.161.179.89
astro.com.my. 00600IN A 18.161.179.24
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 26515
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 0035600IN SOA e.nic.my. hostmaster.nic.my. 2026046677 1800 900 604800 3600
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 13445
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
astro.com.my. 003000IN MX 10 astro.in.tmes-sg.trendmicro.com.
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 40363
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
astro.com.my. 0086400IN NS ns-734.awsdns-27.net.
astro.com.my. 0086400IN NS ns-1070.awsdns-05.org.
astro.com.my. 0086400IN NS ns-1933.awsdns-49.co.uk.
astro.com.my. 0086400IN NS ns-274.awsdns-34.com.
```

### TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 2165
;; flags: qr rd ra; QUERY: 1, ANSWER: 22, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
astro.com.my. 003000IN TXT "cursor-domain-verification-re2wr5=t7UBV0jJtxoSIXs9zvbpJTSEY"
astro.com.my. 003000IN TXT "facebook-domain-verification=38qfu81qxe8jtgcyfnci8nqackzifu"
astro.com.my. 003000IN TXT "google-gws-recovery-domain-verification=51463545"
astro.com.my. 003000IN TXT "google-site-verification=M8cmf5Gm8qbvr0127wtaxHqmhW0fHh0nlGpLS3D-Y"
astro.com.my. 003000IN TXT "google-site-verification=Nckx78pD-xe1LGDRqQ_0gZYKu0Pbnoiz0g5ltAa9oQ"
astro.com.my. 003000IN TXT "google-site-verification=Xx05V3_JpJ5Sm2XJksZslm0vxLeuKnU1Fg8DQLAS0DK"
astro.com.my. 003000IN TXT "google-site-verification=YrqRAq9IGdLj9XSH8H5iik3Yc9_avY3o2xkYqbGTGIk"
astro.com.my. 003000IN TXT "google-site-verification=di6Bzme02E0MgBvM1Y7Yr71oIrvnGldGAWaB3bhuM"
astro.com.my. 003000IN TXT "ip4:168.63.237.193 ip4:121.123.146.208 ip4:202.185.251.1 ip4:111.221.20.128/25 include:msoprnd.msft.net include:mailgun.org"
astro.com.my. 003000IN TXT "k1._domainkey.astro.com.my k=r5a;
p=MIGfMA0GCsGIB3DQEBQUAA4GNADCBiQKBgQDI/gbL+HXwY/oXiK1LWIXQ0UubL4CIN4F+JpM7n0CbJEO/XodTXCMDN+gSuhf9qRc4J8j+N6CXJ+mLYWME9TmmQSNVIBX7efYLSokK9vosnM+HGyk/qrLEdLkJw07csH5+KBD0gxrd
astro.com.my. 003000IN TXT "tmes=ab243fc04dcbff3bc4c17fc90788e8a7"
astro.com.my. 003000IN TXT "v=spf1 a include:ncapp02.com include:servers.mcsv.net include:amazonses.com include:spf.protection.outlook.com include:spf.tmes.trendmicro.com
include:_spf.salesforce.com -all"
astro.com.my. 003000IN TXT "wzdiz9LaaI80FFTHWYXET5AusrPpeLaUpMh41Z4IEtbnRQqbdYvkkLSyY6YH+vMxYo1Jzhd5Wxqqu4JnLB6sA=="
astro.com.my. 003000IN TXT "2xjmq8xyj468c7c2fk3z7p46p2gmwgv"
```

```
astro.com.my.003000IN0TXT0"4skpgc8r2f36djwtwj2w56pkypfvh5k"  
astro.com.my.003000IN0TXT0"MS=ms97282056"  
astro.com.my.003000IN0TXT0"_mjh6mnmv9ow2c9qao0xm9s93h0r753i"  
astro.com.my.003000IN0TXT0"_q3rnm46eu306fflxpmavckpl2pca7kf"  
astro.com.my.003000IN0TXT0"amazonses:ywgC3Q0E4Et/pJeG6fSI1I6ACQ69BVDp1WwyeUSgk0="  
astro.com.my.003000IN0TXT0"apple-domain-verification=x83URLkjfRrtVDvN"  
astro.com.my.003000IN0TXT0"atlassian-domain-verification=x/aAWU3dkaxu6naYi4jZJXHsMTdJBp3l0+0ct0fbDBvwTmm4qJpEpdG00bvboBu5"  
astro.com.my.003000IN0TXT0"brevo-code:9bef1019837b56cfe4efd13bef1f3124"
```

## AAAA

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 2595  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 1232  
;; AUTHORITY SECTION:  
astro.com.my.008950IN0S0A0ns-734.awsdns-27.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

## RRSIG

```
ns-734.awsdns-27.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

## DNSKEY

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 62759  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 1232  
;; AUTHORITY SECTION:  
astro.com.my.008950IN0S0A0ns-734.awsdns-27.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

## DNSSEC\_VALIDATION

```
; unsigned answer  
astro.com.my.008950IN0S0A0ns-734.awsdns-27.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```



TLS Handshake Evidence

IPV4 Connection

|            |             |
|------------|-------------|
| IP Used    | 13.33.45.99 |
| IP Version | 4           |

```
depth=2 C = US, O = Amazon, CN = Amazon Root CA 1
verify return:1
depth=1 C = US, O = Amazon, CN = Amazon RSA 2048 M04
verify return:1
depth=0 CN = *.astro.com.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
0 s:CN = *.astro.com.my
i:C = US, O = Amazon, CN = Amazon RSA 2048 M04
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Sep 7 00:00:00 2025 GMT; NotAfter: Oct 6 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIFzDCCBLsgAwIBAgIQDocASxchdN47nik101vTANBqkqhkIG9w0BAQsFADA8
MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGMQW1hem9uMRwwGgYDVQQDEwNBbWwF6b24g
UUNBIDIwNDggTAA0MB4XDTE1MDkxNzAwMDAwMFoXDTE1MjM0MjMwNTk1OjVwGTEX
MBUgA1UEAwOKi5hc3Ryby5jb20ubXkxwggEiMA0GCsqGSIb3DQEBAAQAA1IBDwAw
ggEKAAIBAQDORq9HmtOWtDXov4Dwd888qv+ERKAStdweFz92kXtYfbyIKbmsJ2
x/sTeqdvUlnrezD0FcM0PG9d7XSXnLCYrLzNikr+U4G2WfRlTPYvEpB4zkZfJh
D462uh3wcvv0up2CW6x5E4n96jWSPefixIJCNg9kqLKFBNB59z0Gh9VqA12V1
EnNfz7b8pdSp07vtWEDwLaLmWVudPu/QhgA18p119bgk+503hKZ9APPTcwY2ZxmQ
8I1jCKhZzhqRPZqzhlfvNEY6G0SeJdxY5xBJwEYQNF6000Q5aaxjApmwH78GjI43
nn8pa8MjC8iQh9895kWFFGhUDApbZ3C3AgMBAAGjggLrMIIC5zAfBgNVHSMEGDAW
gBQfUpJhVoJuf4Fm2B09CqoyXIFdCADBgNVHQ4EFgQU00+YLW0XRRSdiU2Mjms
8koP16YwJwYDVR0RBCAwHoI0Ki5hc3Ryby5jb20ubXkxwggEiMA0GCsqGSIb3DQEB
BgNVHSAEDDAKMAgBmeBDAECAATA0BgNVHQ8BAf8EBAMCBaAwEwYDVR0LBAAwCgYI
KwYBBQUHAwEwOwYDVR0fBDQwMjAwoC6G1YqaHR0cDovL2Nyby5yMm0wNC5hbWwF6b
250cnVzdC5jb20vcjJtMDQyY3JSMHUGCCsGAUQFwBwEBBgkzZtAtBgrrBgEFBQcw
AYYhaHR0cDovL29jZ3AucjJtMDQyYw1hem9udHJlc3QuY29tMDYGCcsGAUQFwBZAC
hipodHRwOi8vY3J0LnIybTA0LmFtYXpvbnRydXN0LmNvbS9yMm0wNC5jZXIwDAYD
VR0TAQH/BAIwADCCAX4GcisGAQQB1nkCBAIEggFuBIIBagFoAHUA1219ENGn9XFC
x+lfIwC/+YlJm1pl4dCzAXMxwMjFaXcAAAGZIRyppgAABAMARjBEAiBfG5ARY+7d
0bfYg0wgs0/VU6ULTVakPXD1M9tw0MLcZAIgO0KUC6XJEOkP022mhohuVArerXb
hh86aR4P+8c0c9YAdwDCMX5RRmjRe5/ON6ykEhrx8IhwIK/f9W1rXaa2Q5S2QAA
AZkivKmwAAEAwBIMEYCIQCH2B5p/NnIyPmrvwJ0+g476kUYk4JC7hLZBPCV4dd
aAIhAjozABs9hGKGMhTmbIr20Mf9zVe16hHGCE5Iuv/sDcAHYA1E5Dh/rswe+B
8xkkJgYZQH0184AgE/cmd9VTcuGdgAAAGZIRyppgAABAMARzBFAiEAXr0qL1aY
kQNAEESTKWUjOoeHpS/vyiB8GHXkagKoRocCIGl8YIvud8jkGjP3i3ree5bT0A1
j0/tF57+dauxIKFVMA0GCsqGSIb3DQEBwUAA4IBAQAydo5aCRNzV5fVYrCMldp
ln8cGImnac3AGqpQey7fxFcyRp8tR6a79pn6WelaasXAw2aAq/IqLYvdJ8nuRoy
aFLT+4if2NT7DpKAnsI+SBDHnhJMt9I0Tsoj085TSGzu58xoNvroFPnV58qGk9sK
BLTlSnrQ9Iyg2n0QipcdfdPdwonLwYaprD/6Fmd2rHmznrHe0/KGuKyvDbLxqTW
0/TE6TsC4n13iP1g7ETYLDUC5QetZrA83V5CpV21Yqz7pLzBkiSZGYd3d1Qfv2
MeueQB4BK+JOLJgZa0covt8TLvzb+asA00AWCtjfaUVThzmB0G0NgTNqb0LMLKzpw
-----END CERTIFICATE-----
1 s:C = US, O = Amazon, CN = Amazon RSA 2048 M04
i:C = US, O = Amazon, CN = Amazon Root CA 1
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Aug 23 22:26:35 2022 GMT; NotAfter: Aug 23 22:26:35 2030 GMT
-----BEGIN CERTIFICATE-----
MIIEEjCCA0agAwIBAgITB3MStyqVLj7Ri1i9uF0bwM5FjzANBqkqhkIG9w0BAQsF
ADASMQswCQYDVQQGEwJVUzEPMA0GA1UEChMGMQW1hem9uMRwwGgYDVQQDEwNBbWwF6b
24gUm9vdCBDQSAxMB4XDTE1MDkxNzAwMDAwMFoXDTE1MjM0MjMwNTk1OjVwGTEX
MAKGA1UEBHMCMVVMxZANBNGVNBWBoTbkfYXpvbjEcmBoGA1UEAxMTQW1hem9uIFJFT
QSAyMDQ4IE0wNDCCAS1wDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAM3pVR6A
LQ0p4xe776FdePXyegA38mYx1ou9/jrpV6Sfn+/oqBKgwhY6ePsQHHQayWBJdBn
v4Wz363qRI4XU9sWBFJ11TnZ3LQ0MvHmWq2+LoA0QPt0fXJ2fHBLrBrngtJ/GB
0p5oLAVYrS2gvQGP16Rf8ddtNyxEEhYm3HuhmNi+vSeAq1tLYJPAvRCXonTpwSD
xY6hvdmxLqTYi82AtBXSfpGQ58HMH0h0C6aQakgrhwi5fGSL0qzpiMNIst7c
qa0Gjx6JfKqJqmQNP102h89ZsFJgBowof01ppdoLAWG6CaMOMom/VILKaa30F
9W/r8Qjahl7ltGVKCAwEAACAOCVowggFWMBIGA1UdEwEB/wQIMAYBAf8CAQAwDgYD
VR0PAQH/BAQDAgGMB0GA1UdJQQwMBQGCcsGAUQFwBwEBBgkzZtAtBgrrBgEFBQcDAjAdBgNV
HQ4EFgQUH1KSYVaCVH+BZtgddPQQmLYH3QgWwYDVR0jBBgwFoAUBjMhTTsvAyU
lC4IwZzHshB0CggwewYIKwYBBQUHAQEebzTmC8GCcsGAUQFwBzAbhiNodHRwOi8v
b2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTAg6BgrrBgEFBQcwAoYuaHR0cDov
L2Nydc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbS9yMm0wNC5jZXIwDAYDVR0LBAAwCgYI
ODA2MDSgMqAwhi5odHRwOi8vY3JzLnJlbn3RjYtEuYw1hem9udHJlc3QuY29tL3Jv
b3RjYtEuY3JSMBMBGA1UdIAQMMAAowCAYGZ4EMAQIBMA0GCsqGSIb3DQEBwUAA4IB
AQA+105UsAaNUl3LHzJtpNgBnZd9QEYFtxpiAnIav4qApnGS90Cw5ZPwie7YS1D
ZF5yYFPsFhUC2Q9uJHY/CRV1b5hIiGH0+6+w5pGkiY1Mwut8VAaJjFvxuhM7a/e
fN2TIw1w6wC16YRiSunjQ0rSP+unqC8A540JNyZ130E3jVqat30ZBGmVihdj2w
```



```

Y2VzMQwwCgYDVQDEWXRTEWWTATBgqhkJOPQIBBggqhkjOPQMBBwNCAARvzTr+
Z1dHTCEDhUDCR127WecPQMFcF4XGGTfn1XzthkubgdnXGh0LcgP4mMTG6J7/EFmP
LcA9eYmJbsPAvpWo4H+MIH7MA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBggg
BgEFBQcDAQYIKwYBBQUHAWIwEgYDVR0TAQH/BAgwBgEB/wIBADAdBgNVHQ4EFgQU
kHeSNwfe/6jMqeZ72YB5e8yT+TgwHwYDVR0jBBgwFoAUEgzW63T/STaj1dj8tT7F
avCUHYwNAYIKwYBBQUHAQEEDAmMCQGCCsGAQUFBzACHhhodHRwOi8vaS5wa2ku
Z29vZy9yZy9nc5jcnQwKwYDVR0fBCQwIjAgoB6gHTYaaHR0cDovL2MucGtPLmdvb2cv
ci9yNC5jcmwwEwYDVR0gBAwwCjAIBgZngQwBAgEwCgYIKoZIzj0EAwMDaAAwZQIX
A0cCq1HW90VznX+0RGUJLcxAQXomvtgMBzITPZCUF08jSBJSjz5keR0v9aYsAm5V
sQIwJonMaAFi54mrfhf0FNZEfuNMSQ6/bIBiNliyoX46FohQvKeIoJ99cx7sUkFN
7uJW
-----END CERTIFICATE-----
2 s:C = US, 0 = Google Trust Services LLC, CN = GTS Root R4
i:C = BE, 0 = GlobalSign nv-sa, OU = Root CA, CN = GlobalSign Root CA
a:PKKEY: id-ecPublicKey, 384 (bit); sigalg: RSA-SHA256
v:NotBefore: Nov 15 03:43:21 2023 GMT; NotAfter: Jan 28 00:00:42 2028 GMT
-----BEGIN CERTIFICATE-----
MIIDejCCAmKgAwIBAgIQf+UwvzMTQ77dghYQST2KGzANBqkqhkIG9w0BAQsFADBX
MQswCQYDVQQGEwJCRTEZMBcGA1UEChMQR2xvYmFsU2lnbiBudilzYTEQMA4GA1UE
CxMHUm9vdCBDQTEbMBkGA1UEAxMSR2xvYmFsU2lnbiBSb290IENBMBA4XDTIzMTEx
NTAzNDMyMVoXDTI4MDEyODAwMDA0MlowRzELMAkGA1UEBhMCMVmxIjAgBgNVBAoT
Gldvb2dsZSBUc29vZy9nc5jcnQwKwYDVR0fBCQwIjAgoB6gHTYaaHR0cDovL2MucGtP
Lmdvb2cvci9yNC5jcmwwEwYDVR0gBAwwCjAIBgZngQwBAgEwCgYIKoZIzj0EAwMDa
AAwZQIXA0cCq1HW90VznX+0RGUJLcxAQXomvtgMBzITPZCUF08jSBJSjz5keR0v9aYs
Am5VsQIwJonMaAFi54mrfhf0FNZEfuNMSQ6/bIBiNliyoX46FohQvKeIoJ99cx7sUkFN
7uJW
-----END CERTIFICATE-----
---
Server certificate
subject=CN = astro.com.my
issuer=C = US, 0 = Google Trust Services, CN = WE1
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: ECDSA
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 2848 bytes and written 394 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_AES_256_GCM_SHA384
Server public key is 256 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE

```



## HTTP Response Evidence

### IPv4 HTTP (port 80)

|              |              |
|--------------|--------------|
| HTTP Status  | 200          |
| Connected IP | 104.17.70.65 |
| Connect Time | 12.93 ms     |
| TTFB         | 51.07 ms     |
| Total Time   | 51.18 ms     |

### Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Server: CloudFront",
  "2": "Date: Fri, 12 Jun 2026 17:02:49 GMT",
  "3": "Content-Type: text/html",
  "4": "Content-Length: 167",
  "5": "Connection: keep-alive",
  "6": "Location: https://astro.com.my/",
  "7": "X-Cache: Redirect from cloudfront",
  "8": "Via: 1.1 688d077d459126044c73cddb0faa7b3c.cloudfront.net (CloudFront)",
  "9": "X-Amz-Cf-Pop: SIN2-P1",
  "10": "X-Amz-Cf-Id: 6wGaoqMYdScz-9QEksr8LR4TMRpyZi_00037kUTT30Ct93TANMHOYQ==",
  "12": "HTTP/2 301",
  "13": "content-length: 0",
  "14": "location: https://www.astro.com.my/",
  "15": "date: Fri, 12 Jun 2026 13:00:11 GMT",
  "16": "server: AmazonS3",
  "17": "x-cache: Hit from cloudfront",
  "18": "via: 1.1 28ef9106fe8a06c1c6f001df5001d1ec.cloudfront.net (CloudFront)",
  "19": "x-amz-cf-pop: KUL50-P1",
  "20": "x-amz-cf-id: hn0DiH1JDZaCCuqIVcESf-xy9lEKRoGeyRrhJ6yK_6_wyZ4KcqSyg==",
  "21": "age: 14559",
  "23": "HTTP/2 200",
  "24": "date: Fri, 12 Jun 2026 17:02:49 GMT",
  "25": "content-type: text/html",
  "26": "last-modified: Fri, 05 Jun 2026 05:08:01 GMT",
  "27": "x-amz-server-side-encryption: AES256",
  "28": "accept-ranges: bytes",
  "29": "server: cloudflare",
  "30": "x-cache: Hit from cloudfront",
  "31": "via: 1.1 f0a7a17a64a069119d6238cf09359f04.cloudfront.net (CloudFront)",
  "32": "x-amz-cf-pop: SIN2-P6",
  "33": "x-amz-cf-id: 1nN1MA-dGGG98G4V59YcS95Ug4DNsgS8FYX6ULg7r3-pd0nCdzvb7Q==",
  "34": "age: 5",
  "35": "x-frame-options: SAMEORIGIN",
  "36": "content-security-policy: frame-ancestors *",
  "37": "x-content-type-options: nosniff",
  "38": "cf-cache-status: DYNAMIC",
  "39": "cf-ray: a0aa6ce5e93ab71c-KUL"
}
```

### IPv6 HTTP (port 80)

|              |                                      |
|--------------|--------------------------------------|
| HTTP Status  | 301                                  |
| Connected IP | 2606:4700::6811:4541                 |
| Connect Time | 0.9 ms                               |
| TTFB         | 13.13 ms                             |
| Total Time   | 13.27 ms                             |
| Error        | Could not resolve host: astro.com.my |

### Response Headers:

```
[
  "HTTP/1.1 301 Moved Permanently",
  "Date: Fri, 12 Jun 2026 17:02:49 GMT",
  "Content-Type: text/html",
  "Connection: keep-alive",
  "Server: cloudflare",
  "Location: https://astro.com.my/",
  "X-Cache: Redirect from cloudfront",
  "Via: 1.1 9e679960b778404c3081de0ab6e7a46e.cloudfront.net (CloudFront)",
]
```

```

"X-Amz-Cf-Pop: KUL50-P1",
"X-Amz-Cf-Id: TpR-qzg6ZRutJyJi16SYbzmIPBNUqNxbf-Y-nBnT159B2rwXx9f4IA==",
"cf-cache-status: DYNAMIC",
"CF-RAY: a0aa6ce45cda1685-KUL"
]

```

## IPv4 HTTPS (port 443)

|              |              |
|--------------|--------------|
| HTTP Status  | 200          |
| Connected IP | 104.17.69.65 |
| Connect Time | 90.12 ms     |
| TTFB         | 309.48 ms    |
| Total Time   | 309.57 ms    |

## Response Headers:

```

{
  "0": "HTTP/2 301",
  "1": "content-length: 0",
  "2": "location: https://www.astro.com.my/",
  "3": "date: Fri, 12 Jun 2026 13:00:11 GMT",
  "4": "server: AmazonS3",
  "5": "x-cache: Hit from cloudfront",
  "6": "via: 1.1 371f05083da358616e0006a1f34fdb7e.cloudfront.net (CloudFront)",
  "7": "x-amz-cf-pop: SIN2-P1",
  "8": "x-amz-cf-id: wJozS8utPPeCyENRILAFx0sTPVTjiRh0sFLACkpeNj-rdrLEG5ItPw==",
  "9": "age: 14559",
  "11": "HTTP/2 200",
  "12": "date: Fri, 12 Jun 2026 17:02:49 GMT",
  "13": "content-type: text/html",
  "14": "last-modified: Fri, 05 Jun 2026 05:08:01 GMT",
  "15": "server: cloudflare",
  "16": "x-amz-server-side-encryption: AES256",
  "17": "cf-cache-status: DYNAMIC",
  "18": "vary: Accept-Encoding",
  "19": "x-cache: Hit from cloudfront",
  "20": "via: 1.1 cdc57d53ecf157efae760f1fad8a416a.cloudfront.net (CloudFront)",
  "21": "x-amz-cf-pop: BOM78-P11",
  "22": "x-amz-cf-id: E3gwunoeJ0ye7R8LDxZLET4PC15Mvg3G-_h59bG1NHsxZU0ZaJT_eA==",
  "23": "age: 32954",
  "24": "x-frame-options: SAMEORIGIN",
  "25": "content-security-policy: frame-ancestors *",
  "26": "x-content-type-options: nosniff",
  "27": "cf-ray: a0aa6ce73f7e4fd4-MAA"
}

```

## IPv6 HTTPS (port 443)

|              |                                |
|--------------|--------------------------------|
| HTTP Status  | 301                            |
| Connected IP | 2606:4700::6811:4541           |
| Connect Time | 7.24 ms                        |
| TTFB         | 203.54 ms                      |
| Total Time   | 203.73 ms                      |
| Error        | Maximum (3) redirects followed |

## Response Headers:

```

{
  "0": "HTTP/2 301",
  "1": "date: Fri, 12 Jun 2026 17:02:49 GMT",
  "2": "content-type: text/html",
  "3": "location: https://astro.com.my/",
  "4": "server: cloudflare",
  "5": "x-cache: Redirect from cloudfront",
  "6": "via: 1.1 e136a5e58b8d063df5f9433f49352526.cloudfront.net (CloudFront)",
  "7": "x-amz-cf-pop: SIN2-P6",
  "8": "x-amz-cf-id: sxhMaQG0wm1NwfrNqDnxv8NBZpbkNY7EQwGRz-ez5AJFQnICKmN_Hw==",
  "9": "cf-cache-status: DYNAMIC",
  "10": "cf-ray: a0aa6ce4afdddf-SIN",
  "12": "HTTP/2 301",
  "13": "date: Fri, 12 Jun 2026 17:02:49 GMT",
  "14": "content-type: text/html",
  "15": "location: https://astro.com.my/",

```

```

"16": "server: cloudflare",
"17": "x-cache: Redirect from cloudfront",
"18": "via: 1.1 e136a5e58b8d063df5f9433f49352526.cloudfront.net (CloudFront)",
"19": "x-amz-cf-pop: SIN2-P6",
"20": "x-amz-cf-id: kpjYXS9KryUDofTNMp6-H4Fu9Hlrp0Ca1cz60BzqYWQFLyrcRKghLQ==",
"21": "cf-cache-status: DYNAMIC",
"22": "cf-ray: a0aa6ce559a8fddf-SIN",
"24": "HTTP/2 301",
"25": "date: Fri, 12 Jun 2026 17:02:49 GMT",
"26": "content-type: text/html",
"27": "location: https://astro.com.my/",
"28": "server: cloudflare",
"29": "x-cache: Redirect from cloudfront",
"30": "via: 1.1 e136a5e58b8d063df5f9433f49352526.cloudfront.net (CloudFront)",
"31": "x-amz-cf-pop: SIN2-P6",
"32": "x-amz-cf-id: TTmgaJ9Bh0xp2mSmGzZngSyewmtFvkuB0WN5teih9vSwQD6tujLHTQ==",
"33": "cf-cache-status: DYNAMIC",
"34": "cf-ray: a0aa6ce579f9fddf-SIN",
"36": "HTTP/2 301",
"37": "date: Fri, 12 Jun 2026 17:02:49 GMT",
"38": "content-type: text/html",
"39": "location: https://astro.com.my/",
"40": "server: cloudflare",
"41": "x-cache: Redirect from cloudfront",
"42": "via: 1.1 e136a5e58b8d063df5f9433f49352526.cloudfront.net (CloudFront)",
"43": "x-amz-cf-pop: SIN2-P6",
"44": "x-amz-cf-id: -0lg6wXoZPPodtg3hwjdeIWXC4G1mTZxGkNBNJK1pNBMY0AZV7MI9g==",
"45": "cf-cache-status: DYNAMIC",
"46": "cf-ray: a0aa6ce59a68fddf-SIN"
}
    
```

Connectivity Test Evidence

| Test                        | Result                |
|-----------------------------|-----------------------|
| TCP Connect IPv4 → port 80  | 301 0.007125 0.016964 |
| TCP Connect IPv6 → port 80  | 301 0.112600 0.306411 |
| TCP Connect IPv4 → port 443 | 301 0.008215 0.036721 |
| TCP Connect IPv6 → port 443 | 301 0.006808 0.150056 |

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
    
```