IPv6 Readiness Report

astro.com.my — astro.com.my

Scan to verify

Category: Telco • Generated: 02 Nov 2026, 02:49 MYT • Last Checked: 08 Aug 2026, 18:18 MYT • Verification ID: 838c6331-224e-4419-b49d-f867b2d04d94
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/838c6331-224e-4419-b49d-f867b2d04d94

⚠

Partially Compliant

MGv6C-1.0

73%

Partial Support

IPV6-ONLY READINESS

Website: ✓ **Ready**

DNS: ✓ **Ready**

Email: ✗ **Not Ready**

IPV6 ADDRESSES

2606:4700::6811:4641
2606:4700::6811:4541

IPV4 ADDRESSES

18.161.179.44
18.161.179.89
18.161.179.81
18.161.179.24

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	18.160.0.0/15

Web Services (35%) 7 / 8

#	CHECK	RESULT	DETAIL
1	**AAAA Record**	PASS	2606:4700::6811:4641, 2606:4700::6811:4541
2	**Globally Routable IPv6**	PASS	All addresses are globally routable.
3	**HTTP over IPv6**	PASS	HTTP (port 80) responds over IPv6.
4	**HTTPS over IPv6**	PASS	HTTPS (port 443) responds over IPv6.
5	**IPv6-Only Reachability**	PASS	Site is fully reachable via IPv6-only.
6	**TLS Certificate Valid (IPv6)**	PASS	Certificate valid — issued by C = US, O = Google Trust Services, CN = WE1, expires Oct 1 06:34:47 2026 GMT
7	**Dual-Stack (IPv4 + IPv6)**	PASS	Domain has both A and AAAA records.
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**	FAIL	No valid RRSIG found.
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: k1._domainkey
7	**DMARC Record**	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	**A Record**	PASS	18.161.179.44, 18.161.179.89, 18.161.179.81, 18.161.179.24
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4 — 32ms TTFB.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4 — 25ms TTFB.

Audit Trail & Evidence Record

Verification ID	838c6331-224e-4419-b49d-f867b2d04d94
Domain	astro.com.my
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:18:07 MYT
Finished	08 Aug 2026, 18:18:12 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/838c6331-224e-4419-b49d-f867b2d04d94

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	80b9b5b0ef65047f501f045a86a05803bfaa6225a292e8d7330f745246a80ecb
http_headers	28be388873f46885731de9153db491a94d3b9cc5a196fae471f838be876fa642
dns_responses	cb873cdf03520d9ea14c3fcf366f5b1d2eb6ddd7965e30858ecf66e029b47dde
tls_handshake	394d7bdb6a221682eb2f1044e92134d3239b67bd4dbb82a35f3e11be073ff779
connectivity_log	77b1b23ea0147f0a3827cbe5d69ec9523e4a3e589b5d3ded04b498a0efb09a68
dns_resolution_times	a72d48815a9a6a3ce8d1e3470b3e0254664dc398545c4cd94017b98210d0fb85

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	15.69	20.1	20.6	22.71	+4.9
Google	IPv4	92.7	101.86	91.7	99.84	-1
Google	IPv6	93.97	101.12	81.45	85.76	-12.5
Cloudflare	IPv4	11.53	21.36	21.86	25.04	+10.3
Cloudflare	IPv6	24.4	28.61	21.78	24.29	-2.6

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 55053
;; 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.□□60□IN□A□18.161.179.24
astro.com.my.□□60□IN□A□18.161.179.81
astro.com.my.□□60□IN□A□18.161.179.89
astro.com.my.□□60□IN□A□18.161.179.44
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 8393
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.□□□2420□IN□SOA□e.nic.my. hostmaster.nic.my. 2026062856 1800 900 604800 3600
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 20026
;; 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.□□300□IN□MX□10 astro.in.tmes-sg.trendmicro.com.
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 59597
;; 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.□□59079□IN□NS□ns-734.awsdns-27.net.
astro.com.my.□□59079□IN□NS□ns-1070.awsdns-05.org.
astro.com.my.□□59079□IN□NS□ns-1933.awsdns-49.co.uk.
astro.com.my.□□59079□IN□NS□ns-274.awsdns-34.com.
```

TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 25082
;; flags: qr rd ra; QUERY: 1, ANSWER: 20, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
astro.com.my.□□300□IN□TXT□"google-site-verification=YrqRAq9IGdLj9X5H8H5iiK3YC9avY3o2xkYqbGTGIk"
astro.com.my.□□300□IN□TXT□"google-site-verification=di6BzmeO2EOMgBvM1Y7YRr71olrvnGlkDGAWaB3bhuM"
astro.com.my.□□300□IN□TXT□"mjh6mnvm9ow2c9qao0xm9s93h0r753i"
astro.com.my.□□300□IN□TXT□"q3rnm46eu306fflxpmavckpl2pca7kf"
astro.com.my.□□300□IN□TXT□"tmes=ab243fc04dcbff3bc4c17fc90788e8a7"
astro.com.my.□□300□IN□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 include:mailgun.org ~all"
astro.com.my.□□300□IN□TXT□"wZdiz9LAaI8QFFTHWYXET5AusrPpeLaUpMh41Z4IEtbnRQqbdYwvklSYy6YH+vMxYo1Jzhd5WXqhqu4JnlB6sA=="
astro.com.my.□□300□IN□TXT□"2xjmq8xjyj468c7c2fk3z7p46p2gmwgv"
astro.com.my.□□300□IN□TXT□"4skpgc8r2f36djxtwjj2w56pkypfvh5k"
astro.com.my.□□300□IN□TXT□"MS=ms97282056"
astro.com.my.□□300□IN□TXT□"amazonses:ywgC3Q0E4Et/pJeG6fSI1I6ACQ69BVDP1WwyeUSgk0o="
astro.com.my.□□300□IN□TXT□"apple-domain-verification=x83URlkjfRrtVDvN"
astro.com.my.□□300□IN□TXT□"atlassian-domain-verification=x/aAWU3dkaxu6naYi4jZJXHsMTdJBp3lO+OcTOfbDBvwTmm4qJpEpdGQ0bvboBu5"
astro.com.my.□□300□IN□TXT□"brevo-code:9bef1019837b56cfe4efd13bef1f3124"
astro.com.my.□□300□IN□TXT□"cursor-domain-verification-re2wr5=t7UBV0jJtxoSIXs9zvbpJTSEY"
```

```
astro.com.my.□□300□IN□TXT□"facebook-domain-verification=38qfu81qxe8jtgcyfcni8nqackzifu"
astro.com.my.□□300□IN□TXT□"google-gws-recovery-domain-verification=51463545"
astro.com.my.□□300□IN□TXT□"google-site-verification=M8cmfSGm8qbvrO127wtaxHqmhmWoOfHh0nlGpLS3D-Y"
astro.com.my.□□300□IN□TXT□"google-site-verification=Nckx78pD-xe1LGDRqQ0gZYKuOPbnoiiz0g5ltAa9oQ"
astro.com.my.□□300□IN□TXT□"google-site-verification=XxO5V3JpJSSm2XJksZslm0vxleuKnUiFg8DQLASODk"
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 26750
;; 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.□□897□IN□SOA□ns-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: 7422
;; 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.□□896□IN□SOA□ns-734.awsdns-27.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

DNSSEC_VALIDATION

```
; unsigned answer
astro.com.my.□□896□IN□SOA□ns-734.awsdns-27.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

TLS Handshake Evidence

IPV4 Connection

IP Used	18.161.179.44
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 M01
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 M01
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Aug  8 00:00:00 2026 GMT; NotAfter: Feb 21 23:59:59 2027 GMT
-----BEGIN CERTIFICATE-----
MIIF0zCCBLugAwIBAgIQCUESL6EIfyIgQYhYj0I/FTANBgkqhkiG9w0BAQsFADA8
MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGQW1hem9uMRwwGgYDVQQDExNBbWF6b24g
UlNBIDIwNDggTTAxMB4XDTI2MDgwODAwMDAwMFoXDTI3MDIyMTIzNTk1OVowGTEX
MBUGA1UEAwwOKi5hc3Ryby5jb20ubXkwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAw
ggEKAoIBAQDCixi7gNzS2zRH0RxfJfTsZGC43pG2+UBDjKb8sC4rgj13Oq+XDaXJ
+8C1y781q3rYuuwAJ0NWEx9wIOzDC6KdR0q0TQwmuS5K6P6ua6oQFcCQWzlGuJGu
HEQURrgrmPGU8VjPvZxXm+AXxbOpQkREfyWFBtXmuvMxFBgcFSmhxrHAk3yTLPO0
JcUeihQPX7uLr1tTIBEwzY1P7UsXsDnXFRhwpoGYcyvU4VF6WkMFa6azPlwyvH4w
Lnqm9rwSa9GLkWw2RTPs+0lz3tIzL1BM8/S8tvKYeaeZrpcWhFE4s2G+vTYaKtR2
R+V5mTPgO4Jns210X6BH6pBOjVdc5k2ZAgMBAAGjggLyMIIC7jAfBgNVHSMEGDAW
gBSBuA5jiokSGOX6OztQlZ/m5ZAThTAdBgNVHQ4EFgQU9WMU+4FGh/zfCv1EaSNW
T2/2X/8wJwYDVR0RBCAwHoIOKi5hc3Ryby5jb20ubXmCDGFzdHJvLmNvbS5teTAT
BgNVHSAEDDAKMAgGBmeBDAECATAOBgNVHQ8BAf8EBAMCBaAwEwYDVR0lBAwwCgYI
KwYBBQUHAwEwOwYDVR0fBDQwMjAwoC6gLIYqaHR0cDovL2NybC5yMm0wMS5hbWF6
b250cnVzdC5jb20vcjJtMDEuY3JsMHUGCCsGAQUFBwEBBGkwZzAtBggrBgEFBQcw
AYYhaHR0cDovL29jc3AucjJtMDEuYW1hem9udHJ1c3QuY29tMDYGCCsGAQUFBzAC
hipodHRwOi8vY3J0LnIybTAxLmFtYXpvbnRydXN0LmNvbS9yMm0wMS5jZXIwDAYD
VR0TAQH/BAIwADCCAYUGCisGAQQB1nkCBAIEggF1BIIBcQFvAHcATGPcmOWcHauI
9h6KPd6uj6tEozd7X5uUw/uhnPzBviYAAAGf34xUUgAABAMASDBGAiEAuQRoB9Gs
yIFIuelHQxyFPQXPuxkW1L4rnHe6bv54lS0CIQDGeNOctjKCydfM3AFigyHfUv7f
pHMHl8lFgCEgjMkPtgB1ANbVjanQF1Pzakqgx1dJAq/rx9ws04zZ92TIDIkZHp8C
AAABn9+MVIcAAAQDAEYwRAIgeUCgigZiClDoiV4LEKgAGIw7WIl7y5No3+kVw3bh
R2UCIHKbTWonW/4Ltr86Co60CHclyIj75upU1+Vxz3DcyO10AH0AjspHC6zeavOi
BrCkeoS3Rv4fxr+VPiXmm07kAkjzxugAAAGf34xU6AAIAAAFAAgOEtAEAwBGMEQC
IA2HMIN+sRR7eexqotP4eA+vytB/2rpSYruvSN+uF68hAiArs6K+gpSQmLfODe8d
RPmUlcodpFBMv64wfXen3hcEdDANBgkqhkiG9w0BAQsFAAOCAQEAuiTtqQYoOppS
G7nFGFllqx/KEimK0ne/40xwe7wHCxdp04on4VRZ4rxHIjtMWc6qlop/vd8vYsM4
yAbvl+6MfhufdQvQF7SwUebWVrwp2x7ghmHV0WxzQUIRt+/SrVNq76L1a/sgVQ4U
vVCGSAPPwIPkJuy2r6FlkEmRmYk2zFvbPP6NpMM6KRjDtvTTioOGjS3efWumfiu8
lTvtJmUC/qqwx+wSAC6hhG2BGOB/CG0cCaX7AItIuQFCWfenMz5v18ExLWaZr8Qj
MH3wVVb8zJo46ZnaKfQC44seQL+TpyU+J+NsfMnUxhNTa7BKlZWWPqFIWgqGKZDJ
ejDO5cqoug==
-----END CERTIFICATE-----
 1 s:C = US, O = Amazon, CN = Amazon RSA 2048 M01
   i:C = US, O = Amazon, CN = Amazon Root CA 1
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Aug 23 22:21:28 2022 GMT; NotAfter: Aug 23 22:21:28 2030 GMT
-----BEGIN CERTIFICATE-----
MIIEXjCCA0agAwIBAgITB3MSOAudZoijOx7Zv5zNpo4ODzANBgkqhkiG9w0BAQsF
ADA5MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGQW1hem9uMRkwFwYDVQQDExBBbWF6
b24gUm9vdCBDQSAxMB4XDTIyMDgyMzIyMjEyOFoXDTMwMDgyMzIyMjEyOFowPDEL
MAkGA1UEBhMCVVMxDzANBgNVBAoTBkFtYXpvbjEcMBoGA1UEAxMTQW1hem9uIFJT
QSAyMDQ4IE0wMTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAOtxLKnL
H4gokjIwr4pXD3i3NyWVVYesZ1yX0yLI2qIUZ2t88Gfa4gMqs1YSXca1R/lnCKeT
epWSGA+0+fkQNpp/L4C2T7oTTsddUx7g3ZYzByDTlrwS5HRQQqEFE3O1T5tEJP4t
f+28IoXsNiEzl3UGzicYgtzj2cWCB41eJgEmJmcf2T8TzzK6a614ZPyq/w4CPAff
nAV4coz96nW3AyiE2uhuB4zQUIXvgVSycW7sbWLvj5TDXunEpNCRwC4kkZjK7rol
jtT2cbb7W2s4Bkg3R42G3PLqBvt2N32e/0JOTViCk8/iccJ4sXqrS1uUN4iB5Nmv
JK74csVl+0u0UecCAwEAAaOCAVowggFWMBIGA1UdEwEB/wQIMAYBAf8CAQAwDgYD
VR0PAQH/BAQDAgGGMB0GA1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAdBgNV
HQ4EFgQUgbgOY4qJEhjl+js7UJWf5uWQE4UwHwYDVR0jBBgwFoAUhBjMhTTsvAyU
lC4IWZzHshBOCggwewYIKwYBBQUHAQEEbzBtMC8GCCsGAQUFBzABhiNodHRwOi8v
b2NzcC5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTA6BggrBgEFBQcwAoYuaHR0cDov
L2NydC5yb290Y2ExLmFtYXpvbnRydXN0LmNvbS9yb290Y2ExLmNlcjA/BgNVHR8E
ODA2MDSgMqAwhi5odHRwOi8vY3JsLnJvb3RjYTEuYW1hem9udHJ1c3QuY29tL3Jv
b3RjYTEuY3JsMBMGA1UdIAQMMAowCAYGZ4EMAQIBMA0GCSqGSIb3DQEBCwUAA4IB
AQCtAN4CBSMuBjJitGuxlBbkEUDeK/pZwTXv4KqPK0G50fOHOQAd8j21p0cMBgbG
kfMHVwLU7b0XwZCav0h1ogdPMN1KakK1DT0VwA/+hFvGPJnMV1Kx2G4S1ZaSk0uU
```

```
5QfoiYIIano01J5k4T2HapKQmmOhS/iPtuo00wW+IMLeBuKMn3OLn005hcrOGTad
hcmeyfhQP7Z+iKHvyoQGi1C0ClymHETx/chhQGDyYSWqB/THwnN15AwLQo0E5V9E
SJlbe4mBlqeInUsNYugExNf+tOiybcrswBy8OFsd34XOW3rjSUtsuafd9AWySa3h
xRRrwszrzX/WWGm6wyB+f7C4
-----END CERTIFICATE-----
 2 s:C = US, O = Amazon, CN = Amazon Root CA 1
   i:C = US, ST = Arizona, L = Scottsdale, O = "Starfield Technologies, Inc.", CN = Starfield Services Root Certificate Authority - G2
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: May 25 12:00:00 2015 GMT; NotAfter: Dec 31 01:00:00 2037 GMT
-----BEGIN CERTIFICATE-----
MIIEkjCCA3qgAwIBAgITBn+USionzfP6wq4rAfkI7rnExjANBgkqhkiG9w0BAQsF
ADCBmDELMAkGA1UEBhMCVVMxEDAOBgNVBAgTB0FyaXpvbmExEzARBgNVBAcTClNj
b3R0c2RhbGUxJTAjBgNVBAoTHFN0YXJmaWVsZCBUZWNobm9sb2dpZXMsIEluYy4x
OzA5BgNVBAMTMlN0YXJmaWVsZCBTZXJ2aWNlcyBSb290IENlcnRpZmljYXRlIEF1
dGhvcml0eSAtIEcyMB4XDTE1MDUyNTEyMDAwMFoXDTM3MTIzMTAxMDAwMFowOTEL
MAkGA1UEBhMCVVMxDzANBgNVBAoTBkFtYXpvbjEZMBcGA1UEAxMQQW1hem9uIFJv
b3QgQ0EgMTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBALJ4gHHKeNXj
ca9HgFB0fW7Y14h29Jlo91ghYPl0hAEvrAIthtOgQ3pOsqTQNroBvo3bSMgHFzZM
9O6II8c+6zf1tRn4SWiw3te5djgdYZ6k/oI2peVKVuRF4fn9tBb6dNqcmzU5L/qw
IFAGbHrQgLKm+a/sRxmPUDgH3KKHOVj4utWp+UhnMJbulHheb4mjUcAwhmahRWa6
VOujw5H5SNz/0egwLX0tdHA114gk957EWW67c4cX8jJGKLhD+rcdqsq08p8kDi1L
93FcXmn/6pUCyziKrlA4b9v7LWIbxcceVOF34GfID5yHI9Y/QCB/IIDEgEw+OyQm
jgSubJrIqg0CAwEAAaOCATEwggEtMA8GA1UdEwEB/wQFMAMBAf8wDgYDVR0PAQH/
BAQDAgGGMB0GA1UdDgQWBBSEGMyFNOy8DJSULghZnMeyEE4KCDAfBgNVHSMEGDAW
gBScXwDfqgHXMCs4iKK4bUqc8hGRgzB4BggrBgEFBQcBAQRsMGowLgYIKwYBBQUH
MAGGImh0dHA6Ly9vY3NwLnJvb3RnMi5hbWF6b250cnVzdC5jb20wOAYIKwYBBQUH
MAKGLGh0dHA6Ly9jcnQucm9vdGcyLmFtYXpvbnRydXN0LmNvbS9yb290ZzIuY2Vy
MD0GA1UdHwQ2MDQwMqAwoC6GLGh0dHA6Ly9jcmwucm9vdGcyLmFtYXpvbnRydXN0
```

IPV6 Connection

IP Used	2606:4700::6811:4641
IP Version	6

```
depth=2 C = US, O = Google Trust Services LLC, CN = GTS Root R4
verify return:1
depth=1 C = US, O = Google Trust Services, CN = WE1
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 = Google Trust Services, CN = WE1
   a:PKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA256
   v:NotBefore: Jul  3 05:34:51 2026 GMT; NotAfter: Oct  1 06:34:47 2026 GMT
-----BEGIN CERTIFICATE-----
MIIDkzCCAzqgAwIBAgIRALhF9gpipIdAE6JYIX6Pha8wCgYIKoZIzj0EAwIwOzEL
MAkGA1UEBhMCVVMxHjAcBgNVBAoTFUdvb2dsZSBUcnVzdCBTZXJ2aWNlczEMMAoG
A1UEAxMDV0UxMB4XDTI2MDcwMzA1MzQ1MVoXDTI2MTAwMTA2MzQ0NlowFzEVMBMG
A1UEAxMMYXN0cm8uY29tLm15MFkwEwYHKoZIzj0CAQYIKoZIzj0DAQcDQgAEDHT/
CACNiLWy4y1ctdmwmdENR8cHD+WSTWwPnjrGuk8p/m6EdPM/xJJQfIBerYU/fKJb
t9qPOWyQIe5SYjFrxKOCAkEwggI9MA4GA1UdDwEB/wQEAwIHgDATBgNVHSUEDDAK
BggrBgEFBQcDATAMBgNVHRMBAf8EAjAAMB0GA1UdDgQWBBQBkOK6dGh420pL3KOh
JbFGW8r5QzAfBgNVHSMEGDAWgBSQd5I1Z8T/qMyp5nvZgHl7zJP5ODA1BggrBgEF
BQcBAQQpMCcwJQYIKwYBBQUHMAKGGWh0dHA6Ly9pLnBraS5nb29nL3dlMS5jcnQw
PQYDVR0RBDYwNIIMYXN0cm8uY29tLm15gg4qLmFzdHJvLmNvbS5teYIUYXBpLnZv
ZC5hc3Ryby5jb20ubXkwEwYDVR0gBAwwCjAIBgZngQwBAgEwNgYDVR0fBC8wLTAr
oCmgJ4YlaHR0cDovL2MucGtpLmdvb2cvd2UxL1pJb3ZGdkd1Sk1VLmNybDCCAQMG
CisGAQQB1nkCBAIEgfQEgfEA7wB2ANdtfRDRp/V3wsfpX9cAv/mCyTNaZeHQswFz
F8DIxWl3AAABnyav7twAAAQDAEcwRQIgPP4RQ5KTDk1DDpVH3oSQTWtGSiyWiuqK
iPC8NEBYoe0CIQDbTWrzUl5KF2vCuqG01fB4tursSJnpRxrAiUm1uQcCxwB1AMij
xH/Hs625NWsBP2p6Em3jOk5DpcZG+ZetOXWZHc+aAAABnyav7u0AAAQDAEYwRAIg
RYiVK9HBXY394Uj2VupvvwHfbiNhnKEUPra+S4CWXMsCIDli2LjVU1Ph3eQC0aE+
LlrfwXKaU/zBnBG3jqUrswdjMAoGCCqGSM49BAMCA0cAMEQCIAxZYHl1MBiRbGtL
8VkDXQ/wn9l6EEeHi1IkicapA3r2AiAJFqaBOMx3CTa/1l+cUwl/7XFZ3Ywgc+I6
heio1sa5Nw==
-----END CERTIFICATE-----
 1 s:C = US, O = Google Trust Services, CN = WE1
   i:C = US, O = Google Trust Services LLC, CN = GTS Root R4
   a:PKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA384
   v:NotBefore: Dec 13 09:00:00 2023 GMT; NotAfter: Feb 20 14:00:00 2029 GMT
-----BEGIN CERTIFICATE-----
MIICnzCCAiWgAwIBAgIQf/MZd5csIkp2FV0TttaF4zAKBggqhkjOPQQDAzBHMQsw
CQYDVQQGEwJVUzEiMCAGA1UEChMZR29vZ2xlIFRydXN0IFNlcnZpY2VzIExMQzEU
MBIGA1UEAxMLR1RTIFJvb3QgUjQwHhcNMjMxMjEzMDkwMDAwWhcNMjkwMjIwMTQw
MDAwWjA7MQswCQYDVQQGEwJVUzEeMBwGA1UEChMVR29vZ2xlIFRydXN0IFNlcnZp
Y2VzMQwwCgYDVQQDEwNXRTEwWTATBgcqhkjOPQIBBggqhkjOPQMBBwNCAARvzTr+
```

```
Z1dHTCEDhUDCR127WEcPQMFcF4XGGTfn1XzthkubgdnXGhOlCgP4mMTG6J7/EFmP
LCaY9eYmJbsPAvpWo4H+MIH7MA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBggr
BgEFBQcDAQYIKwYBBQUHAwIwEgYDVR0TAQH/BAgwBgEB/wIBADAdBgNVHQ4EFgQU
kHeSNWfE/6jMqeZ72YB5e8yT+TgwHwYDVR0jBBgwFoAUgEzW63T/STaj1dj8tT7F
avCUHYwwNAYIKwYBBQUHAQEEKDAmMCQGCCsGAQUFBzAChhhodHRwOi8vaS5wa2ku
Z29vZy9yNC5jcnQwKwYDVR0fBCQwIjAgoB6gHIYaaHR0cDovL2MucGtpLmdvb2cv
ci9yNC5jcmwwEwYDVR0gBAwwCjAIBgZngQwBAgEwCgYIKoZIzj0EAwMDaAAwZQIx
AOcCq1HW90OVznX+0RGU1cxAQXomvtgM8zItPZCuFQ8jSBJSjz5keROv9aYsAm5V
sQIwJonMaAFi54mrfhfoFNZEfuNMSQ6/bIBiNLiyoX46FohQvKeIoJ99cx7sUkFN
7uJW
-----END CERTIFICATE-----
 2 s:C = US, O = Google Trust Services LLC, CN = GTS Root R4
   i:C = BE, O = GlobalSign nv-sa, OU = Root CA, CN = GlobalSign Root CA
   a:PKEY: 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+UwvzMTQ77dghYQST2KGzANBgkqhkiG9w0BAQsFADBX
MQswCQYDVQQGEwJCRTEZMBcGA1UEChMQR2xvYmFsU2lnbiBudi1zYTEQMA4GA1UE
CxMHUm9vdCBDQTEbMBkGA1UEAxMSR2xvYmFsU2lnbiBSb290IENBMB4XDTIzMTEx
NTAzNDMyMVoXDTI4MDEyODAwMDA0MlowRzELMAkGA1UEBhMCVVMxIjAgBgNVBAoT
GUdvb2dsZSBUcnVzdCBTZXJ2aWNlcyBMTEMxFDASBgNVBAMTC0dUUyBSb290IFI0
MHYwEAYHKoZIzj0CAQYFK4EEACIDYgAE83Rzp2iLYK5DuDXFgTB7S0md+8Fhzube
Rr1r1WEYNa5A3XP3iZEwWus87oV8okB2O6nGuEfYKueSkWpz6bFyOZ8pn6KY019e
WIZlD6GEZQbR3IvJx3PIjGov5cSr0R2Ko4H/MIH8MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHSUEFjAUBggrBgEFBQcDAQYIKwYBBQUHAwIwDwYDVR0TAQH/BAUwAwEB/zAd
BgNVHQ4EFgQUgEzW63T/STaj1dj8tT7FavCUHYwwHwYDVR0jBBgwFoAUYHtmGkUN
l8qJUC99BM00qP/8/UswNgYIKwYBBQUHAQEEKjAoMCYGCCsGAQUFBzAChhpodHRw
Oi8vaS5wa2kuZ29vZy9nc3IxLmNydDAtBgNVHR8EJjAkMCKgIKAehhxodHRwOi8v
Yy5wa2kuZ29vZy9yL2dzcjEuY3JsMBMGA1UdIAQMMAowCAYGZ4EMAQIBMA0GCSqG
SIb3DQEBCwUAA4IBAQAYQrsPBtYDh5bjP2OBDwmkoWhIDDkic574y04tfzHpn+cJ
odI2D4SseesQ6bDrarZ7C30ddLibZatoKiws3UL9xnELz4ct92vID24FfVbiI1hY
+SW6FoVHkNeWIP0GCbaM4C6uVdF5dTUsMVs/ZbzNnIdCp5Gxmx5ejvEau8otR/Cs
kGN+hr/W5GvT1tMBjgWKZ1i4//emhA1JG1BbPzoLJQvyEotc03lXjTaCzv8mEbep
8RqZ7a2CPsgRbuvTPBwcOMBBmuFeU88+FSBX6+7iP0il8b4Z0QFqIwwMHfs/L6K1
vepuoxtGzi4CZ68zJpiq1UvSqTbFJjtbD4seiMHl
-----END CERTIFICATE-----
---
Server certificate
subject=CN = astro.com.my
issuer=C = US, O = 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 2807 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
No ALPN negotiated
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	104.17.69.65
Connect Time	7.76 ms
TTFB	26.48 ms
Total Time	26.56 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Server: CloudFront",
    "2": "Date: Sat, 08 Aug 2026 10:18:12 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 e4f6bffeff764f9d0d5c4612809bbf2e.cloudfront.net (CloudFront)",
    "9": "X-Amz-Cf-Pop: KUL50-P1",
    "10": "X-Amz-Cf-Id: ABTCImVttY-iUhR7TlcEacUHhRE-M1UHoBzrIwaYGuCkbUjFGAmhLQ==",
    "12": "HTTP/2 301",
    "13": "content-length: 0",
    "14": "location: https://www.astro.com.my/",
    "15": "date: Sat, 08 Aug 2026 04:16:12 GMT",
    "16": "server: AmazonS3",
    "17": "x-cache: Hit from cloudfront",
    "18": "via: 1.1 11e1683a118ade047a543d92da02dd74.cloudfront.net (CloudFront)",
    "19": "x-amz-cf-pop: KUL50-P1",
    "20": "x-amz-cf-id: A7sVJyjWbLbZNFKE2wA607j-roh1e2UznTnONAaDchlOOLGflrGFgA==",
    "21": "age: 21721",
    "23": "HTTP/2 200",
    "24": "date: Sat, 08 Aug 2026 10:18:12 GMT",
    "25": "content-type: text/html",
    "26": "last-modified: Mon, 03 Aug 2026 17:49:02 GMT",
    "27": "x-amz-server-side-encryption: AES256",
    "28": "accept-ranges: bytes",
    "29": "server: cloudflare",
    "30": "x-cache: Miss from cloudfront",
    "31": "via: 1.1 2410c8f7dd5cddd0517514e8dd2a33ec.cloudfront.net (CloudFront)",
    "32": "x-amz-cf-pop: SIN3-P5",
    "33": "x-amz-cf-id: 1xTZu9WdZhATdvsGCI60pwfpFovikxvrRTWbgrcH5XYxMs2BIQyTIA==",
    "34": "age: 32132",
    "35": "cf-cache-status: HIT",
    "36": "cf-ray: a27dc694fd552203-KUL"
}
```


IPv6 HTTP (port 80)

HTTP Status	301
Connected IP	2606:4700::6811:4641
Connect Time	0.92 ms
TTFB	15.23 ms
Total Time	16.43 ms
Error	Could not resolve host: astro.com.my

Response Headers:


```
[
    "HTTP/1.1 301 Moved Permanently",
    "Date: Sat, 08 Aug 2026 10:18:12 GMT",
    "Content-Type: text/html",
    "Connection: keep-alive",
    "Server: cloudflare",
    "Location: https://astro.com.my/",
    "X-Cache: Redirect from cloudfront",
    "Via: 1.1 d4aa01424b171bdaede86f69cc81fb82.cloudfront.net (CloudFront)",
    "X-Amz-Cf-Pop: SIN3-P5",
    "X-Amz-Cf-Id: q5LB5iCvXpHAP4PC06fiiDYNqBBoznafjrxfa-i-2XoSE8qIe64Piw==",
    "cf-cache-status: DYNAMIC",
```

```
    "CF-RAY: a27dc694680ab2e8-KUL"
]
```


IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	104.17.69.65
Connect Time	4.15 ms
TTFB	20.23 ms
Total Time	20.27 ms

Response Headers:


```
{
    "0": "HTTP/2 301",
    "1": "content-length: 0",
    "2": "location: https://www.astro.com.my/",
    "3": "date: Sat, 08 Aug 2026 04:16:12 GMT",
    "4": "server: AmazonS3",
    "5": "x-cache: Hit from cloudfront",
    "6": "via: 1.1 cfc6535a5a0a671d93dec0cb7c564ffe.cloudfront.net (CloudFront)",
    "7": "x-amz-cf-pop: KUL50-P1",
    "8": "x-amz-cf-id: BZEVXYsg9QjEF2jJEgpq3u_r-Szu-0f4Jnhv-qs5ByuqBpMmK7wNfw==",
    "9": "age: 21721",
    "11": "HTTP/2 200",
    "12": "date: Sat, 08 Aug 2026 10:18:12 GMT",
    "13": "content-type: text/html",
    "14": "last-modified: Mon, 03 Aug 2026 17:49:02 GMT",
    "15": "x-amz-server-side-encryption: AES256",
    "16": "accept-ranges: bytes",
    "17": "server: cloudflare",
    "18": "x-cache: Miss from cloudfront",
    "19": "via: 1.1 2410c8f7dd5cddd0517514e8dd2a33ec.cloudfront.net (CloudFront)",
    "20": "x-amz-cf-pop: SIN3-P5",
    "21": "x-amz-cf-id: 1xTZu9WdZhATdvsGCI60pwfpFovikxvrRTWbgrcH5XYxMs2BIQyTIA==",
    "22": "age: 32132",
    "23": "cf-cache-status: HIT",
    "24": "cf-ray: a27dc6951e310a32-KUL"
}
```


IPv6 HTTPS (port 443)

HTTP Status	301
Connected IP	2606:4700::6811:4641
Connect Time	0.78 ms
TTFB	56.75 ms
Total Time	56.85 ms
Error	Maximum (3) redirects followed

Response Headers:


```
{
    "0": "HTTP/2 301",
    "1": "date: Sat, 08 Aug 2026 10:18:12 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 d4aa01424b171bdaede86f69cc81fb82.cloudfront.net (CloudFront)",
    "7": "x-amz-cf-pop: SIN3-P5",
    "8": "x-amz-cf-id: uKUUcXjWTaKpXRN-hQUOnQVNTGpdOoLlgXpMt7-2JfgeSmc--G7BlA==",
    "9": "cf-cache-status: DYNAMIC",
    "10": "cf-ray: a27dc6948c07da55-KUL",
    "12": "HTTP/2 301",
    "13": "date: Sat, 08 Aug 2026 10:18:12 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 d4aa01424b171bdaede86f69cc81fb82.cloudfront.net (CloudFront)",
    "19": "x-amz-cf-pop: SIN3-P5",
    "20": "x-amz-cf-id: Ju2LI4jsHDsmQYUTyMCbgxRIlr5GKEZWIomkzhlVhth1OucKU-_JGQ==",
    "21": "cf-cache-status: DYNAMIC",
```

```
    "22": "cf-ray: a27dc6949c61da55-KUL",
    "24": "HTTP/2 301",
    "25": "date: Sat, 08 Aug 2026 10:18:12 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 d4aa01424b171bdaede86f69cc81fb82.cloudfront.net (CloudFront)",
    "31": "x-amz-cf-pop: SIN3-P5",
    "32": "x-amz-cf-id: D1PZKljmHDD0ohkC-S9ThwEKQ54c-BG8P37bfFp-Yv0Sw8QtaNIdDg==",
    "33": "cf-cache-status: DYNAMIC",
    "34": "cf-ray: a27dc694bc98da55-KUL",
    "36": "HTTP/2 301",
    "37": "date: Sat, 08 Aug 2026 10:18:12 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 d4aa01424b171bdaede86f69cc81fb82.cloudfront.net (CloudFront)",
    "43": "x-amz-cf-pop: SIN3-P5",
    "44": "x-amz-cf-id: 9N6yeGFh5HlqIIha3-4mi_zATMgapipplz-4oCKApow2epFIq4Q-ig==",
    "45": "cf-cache-status: DYNAMIC",
    "46": "cf-ray: a27dc694ccdcda55-KUL"
}
```


Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.000912 0.002077
TCP Connect IPv6 → port 80	301 0.000873 0.018989
TCP Connect IPv4 → port 443	301 0.001364 0.019325
TCP Connect IPv6 → port 443	301 0.006606 0.046484

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
```