

IPv6 Readiness Report

astro.com.my — astro.com.my




Scan to verify

Category: Telco • Generated: 04 Jul 2026, 22:24 MYT • Last Checked: 04 Jul 2026, 03:20 MYT • Verification ID: 985e17ee-bf00-49a8-ac3b-009c7d46121d

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

Audit trail: <https://ipv6.my6.my/audit/985e17ee-bf00-49a8-ac3b-009c7d46121d>



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
18.161.179.81
18.161.179.24
18.161.179.89

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, 18.161.179.81, 18.161.179.24, 18.161.179.89
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 46ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 40ms TTFB.

Audit Trail & Evidence Record

Verification ID	985e17ee-bf00-49a8-ac3b-009c7d46121d
Domain	astro.com.my
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:20:30 MYT
Finished	04 Jul 2026, 03:20:37 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/985e17ee-bf00-49a8-ac3b-009c7d46121d

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	8d0791c50e9ac45c2d7e69f7510e94c3571697e45c82ec63e89d3d3b1732b76c
http_headers	61083bd81d7927c1d3109271e625e3889eb68847860e1bc27aebd29c68b19768
dns_responses	2c1dd2667d74ee8a844536172f972e6a07fcfd0c45c24018ea811df9ce358de
tls_handshake	f19b3c73e0542ffdcfcbb5fca0901685ad77d885b845bcd80a90f57d56e4bc65
connectivity_log	b4f20c022c0bbb54aa008b8d8eb4c48c4a6039fd1d29f69f399f1209577104b3
dns_resolution_times	a026706e03806b9a0d7017d69d9c81cd417184cc35d7da679e46c161ce6bd483

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	14.34	25.58	11	13.26	-3.3
Google	IPv4	36.68	84.08	46.57	54.22	+9.9
Google	IPv6	37.43	40.1	30.68	33.8	-6.8
Cloudflare	IPv4	24.81	29.56	21.32	22.79	-3.5
Cloudflare	IPv6	26.97	34.05	37.47	51.86	+10.5

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 30411
;; 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 18.161.179.24
astro.com.my. 00600IN A 18.161.179.81
astro.com.my. 00600IN A 18.161.179.44
astro.com.my. 00600IN A 18.161.179.89
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 25930
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 0025430IN SOA e.nic.my. hostmaster.nic.my. 2026052750 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 8902
;; 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. 00300IN MX 10 astro.in.tmes-sg.trendmicro.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 3688
;; 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: 27259
;; 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. 00300IN TXT "google-site-verification=M8cmfSGm8qbvr0127wtaxHqmhmWo0fHh0nLgPLS3D-Y"
astro.com.my. 00300IN TXT "google-site-verification=Nckx78pD-xeLLGDRqQ_0gZYKu0Pbnoiz0g5ltAa9oQ"
astro.com.my. 00300IN TXT "google-site-verification=Xx05V3_JpJSSm2XJksZslm0vxLeuKnUiFg8DQLAS0Dk"
astro.com.my. 00300IN TXT "google-site-verification=YrRAq9IGdLj9X5H8H5iK3Yc9_avY3o2xkYqbGTGIK"
astro.com.my. 00300IN TXT "google-site-verification=di6Bzme02EOMgBvM1Y7Rr71oLrVnGLkDGAWaB3bhuM"
astro.com.my. 00300IN 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. 00300IN TXT "k1_domainkey.astro.com.my k=rsa;
p=MIGfMA0GCsGSIb3DQEBAQUAA4GNADCBiQKBgQDI/gbl+HXwY/oxiK1LlWIXQ0UblzL4CIN4F+JpM7n0CbJeo/XodTxcMDN+gSuhf9qRc4J8j+mN6XJ+mLYWME9TmmQSNVIBX7efYLSokK9vosnM+HGyk/qrLEdLkJw07csH5+kBD0gxrd"
astro.com.my. 00300IN TXT "tmes=ab243fc04dcbff3bc4c17fc90788e8a7"
astro.com.my. 00300IN TXT "v=spf1 a include:ncapp02.com include:servers.mcsv.net include:amazones.com include:spf.protection.outlook.com include:spf.tmes.trendmicro.com include:_spf.salesforce.com ~all"
astro.com.my. 00300IN TXT "wZdz9LaAI8QFFTHWYXET5AusrPpeLaUpMh41Z4IEtbnRQqbdYwvklSYy6YH+vMxYo1Jzhd5WXqhqu4JnLB6sA=="
astro.com.my. 00300IN TXT "2xjmq8xjyj468c7c2fk3z7p46p2gmwgv"
astro.com.my. 00300IN TXT "4skpgc8r2f36djwtwj2w56pkypfvh5k"
astro.com.my. 00300IN TXT "MS=ms97282056"
astro.com.my. 00300IN TXT "_mjh6mnmv9ow2c9qaoxm9s93h0r7531"
```

```
astro.com.my.00003000IN0TXT0_q3rnm46eu306fflxpmavckpl2pca7kf"
astro.com.my.00003000IN0TXT0"amazonses:ywgC3Q0E4Et/pJeG6fSI1I6ACQ69BVDPlWwyeUSgk0o="
astro.com.my.00003000IN0TXT0"apple-domain-verification=x83URlkjfrtVDvN"
astro.com.my.00003000IN0TXT0"atlassian-domain-verification=x/aAWU3dkaxu6naYi4jZjXHsMTdJBp3l0+0cT0fbDBvwTmm4qJpEpdGQ0bvboBu5"
astro.com.my.00003000IN0TXT0"brevocode:9bef1019837b56cfe4efd13bef1f3124"
astro.com.my.00003000IN0TXT0"cursor-domain-verification-re2wr5=t7UBV0jJtxoSIXs9zvbpJTSEY"
astro.com.my.00003000IN0TXT0"facebook-domain-verification=38qfu81qxe8jtgcyfci8nqackzifu"
astro.com.my.00003000IN0TXT0"google-gws-recovery-domain-verification=51463545"
```

AAAA

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 6330
;; 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.00008960IN0S0A0ns-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: 61399
;; 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.00008960IN0S0A0ns-734.awsdns-27.net. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

DNSSEC_VALIDATION

```
; unsigned answer
astro.com.my.00008960IN0S0A0ns-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 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-----
MIIFzDCCBLsgAwIBAgIQDocASxchdNrN47nikL01vTANBqkqkiG9w0BAQsFADA8
MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGMGQW1hem9uMRwwGgYDVQQDExNBbWw6b24g
UUNBIDUwNDggTAA0MB4XDTE1MDkxNzAwMDAwMFoXDTE2MTAwNjIzNTk1OVowGTEX
MBUGA1UEAwOKi5hc3Ryby5jb20ubXkkgEiMA0GCSCqGSIb3DQEBAQUAAIIBDwAw
ggEKAAIBAQDORq9HmtOWtDXov4Dwd888qv+ERKAStdweFz92kXtYfbyIKbmsJ2
x/sTeqdvUlnrezD0FcM0PG9d7XSXnLCYrLzNikr+U4G2WfRlTPYvEpB4zkZfJh
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EnNfz7b8pdSp07vtWEDwLaLmWVudPu/QhgA18p119bgk+503hKZ9APPTcwY2ZxmQ
8I1jCKhZzhqRPZqzhlfvNEY6G0SeJdxy5xBJwEYQNF6000Q5aaxjApmwH78GjI43
nn8pa8MjC8iQh9895kWFFGhUDApbZ3C3AgMBAAGjggLrMIC5zAfBgNVHSMEGDAW
gBQfUpJhVoJuf4Fm2B09CqoyXIFdCADBgNVHQ4EFgQU00+YLW0XRRSdiU2Mjms
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BgNVHSAEDDAKMAgBmeBDAECAATA0BgNVHQB8BAf8EBAMCBaAwEwYDVR0LBAwwCgYI
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AYYhaHR0cDovL29jJ29jJ29jJ29jJ29jJ29jJ29jJ29jJ29jJ29jJ29jJ29jJ29jJ29j
AhhpodHRwOi8vY3J0LnIybnR0LmFtYXpvbnRydXN0LmNvbS5yMm0wNC5jZXIwDAYD
VR0TAQH/BAIwADCCAX4Gc1sGAQQB1nkCBAIEggFuBIIBagFoAHUA1219ENGn9XFC
x+lfIwC/+YlJm1pl4dCzAXMxMjFfaXcAAAGZIRyppgAABAMARjBEAiBfG5ARY+7d
0bfYg0wgs0/VU6ULTVakPXD1M9tw0MLcZAIg0Q0kC6XJEOkP022mhohuVArerXb
hh86aR4P+8c0c9YAdwDCMX5RRmjRe5/ON6ykEhrx8IhwIK/f9W1rXaa2Q5S2QAA
AZk1vKmwAAEAwBIMEYCIQCH2B5p/NnIyPMrvwJ0+g476kUYk4JC7hLZBPCV4dd
aAIhAJoZABs9hGKGMhTmbIr20Mf9zVe16hHGCE5Iuv/sDcAHYA1E5Dh/rswe+B
8xkkJgqYZQH0184AgE/cmd9VTcuGdgAAAGZIRyppgAABAMARzBFAiEAXr0qL1aY
kQNAEESTKWUjOoeHpS/vyiB8GHXkagRoRocCIG18YIvud8jkGjP3i3ree5bT0A1
j0/tF57+dauxIKFVMA0GCSCqGSIb3DQEBCwUAA4IBAQAydo5aCRNzV5fVYrCMldp
ln8CGTmnac3AGqP0ey7fxFcyRp8tR6a79pn6WelaasXAw2aAq/IqLYvdJ8nuRoy
aFLT+4if2NT7DpKAnsI+SBDHnhJMt9I0Tsoj085TSGzu58xoNvroFPnV58qGk9sK
BLTlSnrQ9Iyg2n0QipcdfdtdPdwonLwYaprD/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-----
MIIEEjCCA0agAwIBAgITB3MStyqVLj7RiLi9uF0bwM5fJzANBqkqkiG9w0BAQsF
ADASMQswCQYDVQQGEwJVUzEPMA0GA1UEChMGMGQW1hem9uMRwwGgYDVQQDExNBbWw6b2
4gUm9vdCBDQSAxMB4XDTEyMDkxNzAwMDAwMFoXDTE2MTAwNjIzNTk1OVowPDEL
MAKGA1UEBHMCMVVMxZANBNGNBVAoTBkFtYXpvbjEcmBoGA1UEAxMTQW1hem9uIFJT
QSAyMDQ4IE0wNDCCAS1wDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAM3pVR6A
LQ0p4xe776FdePxyejgA38mYx1ou9/jrpV6Sfn+/oqBKgwhY6ePsQHHQayWBJdBn
v4Wz363qRI4XU9sWBFJ11TnZ3LQ0MvHmWq2+LoA0QPt0fXJ2fHBLrBrngtJ/GB
0p5oLAVyRSZgvQGP16Rf8ddtNyxEEhYm3HuhmNi+vSeAq1tLYJPAvRCXonTpwSD
xY6hvdmxLqTYi82AtBXSfpGQ58HMH0h0C6aQakgrhwi5fGSL0qzpiMNIst7c
qa0Gjx6JfKqJqmQQNpL02h89ZsFJgBowof01ppdoLAWG6CaMOMom/VILKaa30F
9W/r8Qjah7ltGVKCAwEAACAOCVowggFWMBIGA1UdEwEB/wQIMAYBAf8CAQAwDgYD
VR0PAQH/BAQDAgGMB0GA1UdJQQwMBQGCCsGAUQFwMBBggrBgEFBQcDAjAdBgNV
HQ4EFgQUH1KSYVaCVH+BZtgdpQqqmLYH3QgWwYDVR0jBBgwFoAUBjMhTTsvAyU
lC4IwZzHshB0CggewYIKwYBBQUHAQEeBzTmC8GC6CsGAUQFwABhiNodHRwOi8v
b2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTAg6BgrrBgEFBQcwAoYuaHR0cDov
L2Nyby5yMm0wNC5jZXIwDAYDVR0LBAwwCgYIKwYBBQUHARCCsGAUQFwBBggrBgEF
BQcDAjAdBgNVHQ4EFgQUH1KSYVaCVH+BZtgdpQqqmLYH3QgWwYDVR0jBBgwFoAUBj
MhTTsvAyUlc4IwZzHshB0CggewYIKwYBBQUHAQEeBzTmC8GC6CsGAUQFwABhiNod
HRwOi8vb2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTAg6BgrrBgEFBQcwAoYua
HR0cDovL2Nyby5yMm0wNC5jZXIwDAYDVR0LBAwwCgYIKwYBBQUHARCCsGAUQFwBB
ggrBgEFBQcDAjAdBgNVHQ4EFgQUH1KSYVaCVH+BZtgdpQqqmLYH3QgWwYDVR0jBB
gwFoAUBjMhTTsvAyUlc4IwZzHshB0CggewYIKwYBBQUHAQEeBzTmC8GC6CsGAUQF
wABhiNodHRwOi8vb2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTAg6BgrrBgEFB
QcDAjAdBgNVHQ4EFgQUH1KSYVaCVH+BZtgdpQqqmLYH3QgWwYDVR0jBBgwFoAUBj
MhTTsvAyUlc4IwZzHshB0CggewYIKwYBBQUHAQEeBzTmC8GC6CsGAUQFwABhiNod
HRwOi8vb2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTAg6BgrrBgEFBQcwAoYua
HR0cDovL2Nyby5yMm0wNC5jZXIwDAYDVR0LBAwwCgYIKwYBBQUHARCCsGAUQFwBB
ggrBgEFBQcDAjAdBgNVHQ4EFgQUH1KSYVaCVH+BZtgdpQqqmLYH3QgWwYDVR0jBB
gwFoAUBjMhTTsvAyUlc4IwZzHshB0CggewYIKwYBBQUHAQEeBzTmC8GC6CsGAUQF
wABhiNodHRwOi8vb2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTAg6BgrrBgEFB
QcDAjAdBgNVHQ4EFgQUH1KSYVaCVH+BZtgdpQqqmLYH3QgWwYDVR0jBBgwFoAUBj
MhTTsvAyUlc4IwZzHshB0CggewYIKwYBBQUHAQEeBzTmC8GC6CsGAUQFwABhiNod
HRwOi8vb2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTAg6BgrrBgEFBQcwAoYua
HR0cDovL2Nyby5yMm0wNC5jZXIwDAYDVR0LBAwwCgYIKwYBBQUHARCCsGAUQFwBB
ggrBgEFBQcDAjAdBgNVHQ4EFgQUH1KSYVaCVH+BZtgdpQqqmLYH3QgWwYDVR0jBB
gwFoAUBjMhTTsvAyUlc4IwZzHshB0CggewYIKwYBBQUHAQEeBzTmC8GC6CsGAUQF
wABhiNodHRwOi8vb2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTAg6BgrrBgEFB
QcDAjAdBgNVHQ4EFgQUH1KSYVaCVH+BZtgdpQqqmLYH3QgWwYDVR0jBBgwFoAUBj
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gwFoAUBjMhTTsvAyUlc4IwZzHshB0CggewYIKwYBBQUHAQEeBzTmC8GC6CsGAUQF
wABhiNodHRwOi8vb2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTAg6BgrrBgEFB
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HR0cDovL2Nyby5yMm0wNC5jZXIwDAYDVR0LBAwwCgYIKwYBBQUHARCCsGAUQFwBB
ggrBgEFBQcDAjAdBgNVHQ4EFgQUH1KSYVaCVH+BZtgdpQqqmLYH3QgWwYDVR0jBB
gwFoAUBjMhTTsvAyUlc4IwZzHshB0CggewYIKwYBBQUHAQEeBzTmC8GC6CsGAUQF
wABhiNodHRwOi8vb2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTAg6BgrrBgEFB
QcDAjAdBgNVHQ4EFgQUH1KSYVaCVH+BZtgdpQqqmLYH3QgWwYDVR0jBBgwFoAUBj
Mh
```



```

Z1dHTCEDhUDCR127WecPQMFcF4XGGTfn1XzthkubgdnXGh0LCgP4mMTG6J7/EFmP
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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+UwvzMTQ77dghYQST2KGzANBgkqhkiG9w0BAQsFADBX
M0sCQYDVQQGEwJCRTEZMBCGA1UEChM0R2xvYmFsU2lnb1BudilzYTEQMA4GA1UE
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ngQwBAGewCgYIKoZIzj0EAwMDaAAwZQIXA0cCq1HW900VznX+0RGU1cxAQXomvtg
MBzITPZCuF08jSBJJz5keR0v9aYsAm5VsQIWJonMaAFi54mrfhf0FNZEfUNMSQ6/b
IBiNLiyoX46FohQvKeIoJ99cx7sUkFN7uJW
-----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 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	104.17.70.65
Connect Time	16.82 ms
TTFB	62.9 ms
Total Time	62.99 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Server: CloudFront",
  "2": "Date: Fri, 03 Jul 2026 19:20:36 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 1c6bd1818c7785154fa59c119293e032.cloudfront.net (CloudFront)",
  "9": "X-Amz-Cf-Pop: KUL50-P1",
  "10": "X-Amz-Cf-Id: gHfcjXGCLNz-Y2rvMxn0sZnWK0k4z0B9kTT46ieNz-FnU5wsLiCqBg==",
  "12": "HTTP/2 301",
  "13": "content-length: 0",
  "14": "location: https://www.astro.com.my/",
  "15": "date: Fri, 03 Jul 2026 03:05:07 GMT",
  "16": "server: AmazonS3",
  "17": "x-cache: Hit from cloudfront",
  "18": "via: 1.1 242a08df1383db0d18e5cf8b76b259ce.cloudfront.net (CloudFront)",
  "19": "x-amz-cf-pop: SIN2-P1",
  "20": "x-amz-cf-id: kkQeK7Sxzj-Xq2hVrIvyZC-L2dRwY2pDeSGHVnzAh3TiH0yA1XAD3w==",
  "21": "age: 58530",
  "23": "HTTP/2 200",
  "24": "date: Fri, 03 Jul 2026 19:20:36 GMT",
  "25": "content-type: text/html",
  "26": "last-modified: Wed, 01 Jul 2026 00:04:49 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 0defc292999e8cce1ccc47155d6481ca.cloudfront.net (CloudFront)",
  "32": "x-amz-cf-pop: SIN3-P1",
  "33": "x-amz-cf-id: _XKIt8-oYDXz87pyUCXbyU54c4Cxs1UX8hNfpp52S-1IAyk33F0L1w==",
  "34": "age: 32442",
  "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: a1583f9de9a79928-KUL"
}
```

IPv6 HTTP (port 80)

HTTP Status	301
Connected IP	2606:4700::6811:4641
Connect Time	2.27 ms
TTFB	21.82 ms
Total Time	23 ms
Error	Could not resolve host: astro.com.my

Response Headers:

```
[
  "HTTP/1.1 301 Moved Permanently",
  "Date: Fri, 03 Jul 2026 19:20:36 GMT",
  "Content-Type: text/html",
  "Connection: keep-alive",
  "Server: cloudflare",
  "Location: https://astro.com.my/",
  "X-Cache: Redirect from cloudfront",
  "Via: 1.1 eb8215a251a93ff43013c00c3a39ac52.cloudfront.net (CloudFront)",
]
```

```
"X-Amz-Cf-Pop: SIN3-P1",
"X-Amz-Cf-Id: wB-bfXg9gs9v0Gknm_11DNNftVPM0Rnjwafoio88Ulz-xx3hH6-raw==",
"cf-cache-status: DYNAMIC",
"CF-RAY: a1583f9cef8c9928-KUL"
]
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	104.17.70.65
Connect Time	6.75 ms
TTFB	42.66 ms
Total Time	42.72 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "content-length: 0",
  "2": "location: https://www.astro.com.my/",
  "3": "date: Fri, 03 Jul 2026 03:05:07 GMT",
  "4": "server: AmazonS3",
  "5": "x-cache: Hit from cloudfront",
  "6": "via: 1.1 bd77d1e956cc066393ec0533e3914af4.cloudfront.net (CloudFront)",
  "7": "x-amz-cf-pop: KUL50-P1",
  "8": "x-amz-cf-id: xYCl95b4XdIL6nWJ4-4TEa6X8Gze01fb35-SWU4vPhbyh0pws5Q8RA==",
  "9": "age: 58530",
  "11": "HTTP/2 200",
  "12": "date: Fri, 03 Jul 2026 19:20:36 GMT",
  "13": "content-type: text/html",
  "14": "last-modified: Wed, 01 Jul 2026 00:04:49 GMT",
  "15": "x-amz-server-side-encryption: AES256",
  "16": "accept-ranges: bytes",
  "17": "server: cloudflare",
  "18": "x-cache: Hit from cloudfront",
  "19": "via: 1.1 0defc292999e8cce1ccc47155d6481ca.cloudfront.net (CloudFront)",
  "20": "x-amz-cf-pop: SIN3-P1",
  "21": "x-amz-cf-id: Gj5DZYzV0hrZw1KnXZ45oZW_7b9HD1HTAwN0od3AaQYtYs6tLKPg==",
  "22": "age: 32442",
  "23": "x-frame-options: SAMEORIGIN",
  "24": "content-security-policy: frame-ancestors *",
  "25": "x-content-type-options: nosniff",
  "26": "cf-cache-status: DYNAMIC",
  "27": "cf-ray: a1583f9e2ce12441-KUL"
}
```

IPv6 HTTPS (port 443)

HTTP Status	301
Connected IP	2606:4700::6811:4641
Connect Time	7.39 ms
TTFB	98.97 ms
Total Time	99.15 ms
Error	Maximum (3) redirects followed

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "date: Fri, 03 Jul 2026 19:20:36 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 2a27f5090421320938d30e90c4f1f926.cloudfront.net (CloudFront)",
  "7": "x-amz-cf-pop: SIN3-P1",
  "8": "x-amz-cf-id: PXVrjyHgzy9KbUUH4Y20X4NFR68gdmYYT3M7F8egyktzjzfmCXsBw==",
  "9": "cf-cache-status: DYNAMIC",
  "10": "cf-ray: a1583f9d3a43ce05-SIN",
  "12": "HTTP/2 301",
  "13": "date: Fri, 03 Jul 2026 19:20:36 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 2a27f5090421320938d30e90c4f1f926.cloudfront.net (CloudFront)",
"19": "x-amz-cf-pop: SIN3-P1",
"20": "x-amz-cf-id: 5YfJrj_TDYFcflDjhXvnQnnef6skp12BQmU80cF2FfsDWNwLqSL52A==",
"21": "cf-cache-status: DYNAMIC",
"22": "cf-ray: a1583f9d5a85ce05-SIN",
"24": "HTTP/2 301",
"25": "date: Fri, 03 Jul 2026 19:20:36 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 2a27f5090421320938d30e90c4f1f926.cloudfront.net (CloudFront)",
"31": "x-amz-cf-pop: SIN3-P1",
"32": "x-amz-cf-id: d0Ctrs-jnvlpCtBcw2nLL3pUY2sZudkAxiCNDEwFmZSdrING2458sg==",
"33": "cf-cache-status: DYNAMIC",
"34": "cf-ray: a1583f9d7acfce05-SIN",
"36": "HTTP/2 301",
"37": "date: Fri, 03 Jul 2026 19:20:36 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 2a27f5090421320938d30e90c4f1f926.cloudfront.net (CloudFront)",
"43": "x-amz-cf-pop: SIN3-P1",
"44": "x-amz-cf-id: F4Nn5XZeP9tTBsIY5cw2t3AovcNtH65fPzLkVJMEnrqi31TiYEqzPg==",
"45": "cf-cache-status: DYNAMIC",
"46": "cf-ray: a1583f9d9b1ece05-SIN"
}
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.002348 0.004832
TCP Connect IPv6 → port 80	301 0.008133 0.070926
TCP Connect IPv4 → port 443	301 0.002262 0.054960
TCP Connect IPv6 → port 443	301 0.008509 0.101498

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
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
    
```