


# IPv6 Readiness Report

malaymail.com — malaymail.com

Category: News Portal • Generated: 20 Apr 2026, 21:10 MYT • Last Checked: 07 Mar 2026, 01:18 MYT • Verification ID: 35dbc112-c5dd-44e8-8ec1-065a9ff37eec

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

Audit trail: <https://ipv6.my6.my/audit/35dbc112-c5dd-44e8-8ec1-065a9ff37eec>

 <b>Partially Compliant</b> <small>MGv6C-1.0</small>	<b>82%</b> <b>Partial Support</b>	<b>IPv6-ONLY READINESS</b> Website: ✓ <b>Ready</b> DNS: ✓ <b>Ready</b> Email: ✗ <b>Not Ready</b>
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<b>IPv6 ADDRESSES</b> 2606:4700:20::681a:8f4 2606:4700:20::681a:9f4 2606:4700:20::ac43:445c	<b>IPv4 ADDRESSES</b> 104.26.9.244 104.26.8.244 172.67.68.92
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## Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	Cloudflare, Inc.	Cloudflare, Inc.
Country	US	US
ASN	AS13335	AS13335
ASN Name	CLOUDFLARENET - Cloudflare, Inc., US	CLOUDFLARENET - Cloudflare, Inc., US
Network (CIDR)	2606:4700::/32	104.16.0.0/12

Web Services (35%)				8 / 8
#	CHECK	RESULT	DETAIL	
1	AAAA Record	PASS	2606:4700:20::681a:8f4, 2606:4700:20::681a:9f4, 2606:4700:20::ac43:445c	
2	Globally Routable IPv6	PASS	All addresses are globally routable.	
3	HTTP over IPv6	PASS	HTTP (port 80) responds over IPv6 — 63ms TTFB.	
4	HTTPS over IPv6	PASS	HTTPS (port 443) responds over IPv6 — 80ms TTFB.	
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 May 17 00:09:23 2026 GMT	
7	Dual-Stack (IPv4 + IPv6)	PASS	Domain has both A and AAAA records.	
8	HTTP/3 (QUIC)	PASS	Alt-Svc: h3 header 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	<b>Signing Algorithm</b>	<b>INFO</b>	No DNSKEY record found.

**Email Services** (25%) 4 / 6

#	CHECK	RESULT	DETAIL
1	<b>MX Record Exists</b>	<b>PASS</b>	MX record found.
2	<b>MX Server Has IPv6</b>	<b>PASS</b>	MX server has AAAA record.
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: google._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>	104.26.9.244, 104.26.8.244, 172.67.68.92
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 59ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 72ms TTFB.

### Audit Trail & Evidence Record

Verification ID	35dbc112-c5dd-44e8-8ec1-065a9ff37eec
Domain	malaymail.com
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:17:26 MYT
Finished	07 Mar 2026, 01:18:10 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/35dbc112-c5dd-44e8-8ec1-065a9ff37eec

### Integrity Verification

<b>✓ INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	d254d312e9e107f740f1f2bec4e4bcf00410e48bdfca0349275f19aae1de054
http_headers	6482419585ef07afd6b3b9589b316903bf782186e6ae6bfc2c1be91980d09f32
dns_responses	29d0a484c3f4a00c9322eaddbabe02788660e54d522e82db8973a59c6ea506db
tls_handshake	b1a02a30bd1b9a002e6ec9c369cd2cfff90b94475319250513331f64c20788c0
connectivity_log	3cf5e257d906ca6b15bc906f1135792352b122b5199dc40a8f27e816c70a0414
dns_resolution_times	6ba8af5d918371ffdfeba50a76b318108a9e907b224ff7107b66f4daa7ee691e

### Test Node Identity

Os	Linux srv1440888 6.8.0-101-generic #101-Ubuntu SMP PREEMPT_DYNAMIC Mon Feb 9 10:15:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.30
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	20.9	21.99	8.47	23.19	-12.4
Google	IPv4	30.83	31.46	27.28	42	-3.6
Google	IPv6	28.09	31.9	21.32	31.33	-6.8
Cloudflare	IPv4	12.63	19.87	31.96	36.72	+19.3
Cloudflare	IPv6	39.71	43.68	36.15	43.49	-3.6



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 42451
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
malaymail.com. 300 IN A 104.26.8.244
malaymail.com. 300 IN A 104.26.9.244
malaymail.com. 300 IN A 172.67.68.92
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 19019
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com. 900 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1772788671 1800 900 604800 900
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 3356
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
malaymail.com. 300 IN MX 5 alt1.aspmx.l.google.com.
malaymail.com. 300 IN MX 1 aspmx.l.google.com.
malaymail.com. 300 IN MX 10 alt3.aspmx.l.google.com.
malaymail.com. 300 IN MX 10 alt4.aspmx.l.google.com.
malaymail.com. 300 IN MX 5 alt2.aspmx.l.google.com.
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 13581
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
malaymail.com. 21600 IN NS art.ns.cloudflare.com.
malaymail.com. 21600 IN NS zara.ns.cloudflare.com.
```

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 23865
;; flags: qr rd ra; QUERY: 1, ANSWER: 7, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
malaymail.com. 300 IN TXT "google-site-verification=L5odpegXXDmv7s-bc54acwWlzoBHAbnmN113c6hMKY"
malaymail.com. 300 IN TXT "google-site-verification=BaTLlyEgngVAv70UjRL1V9tTHhpnCXUTVIdDaEqXQs"
malaymail.com. 300 IN TXT "google-site-verification=umcsgnyCUKeXo0UtsxTotVFJc2E_yERnJVoaQUz0G4"
malaymail.com. 300 IN TXT "google-site-verification=hD4W_5Do-p7u_LF3ZZrsP7HMXGxEtaSZd_DkeIbjpJs"
malaymail.com. 300 IN TXT "v=spf1 include:servers.mcsv.net -all"
malaymail.com. 300 IN TXT "google-site-verification=VT8Nzh0N_yNGZAg52mSYHZedg7u_Zuz5BRcMg7N-4oM"
malaymail.com. 300 IN TXT "facebook-domain-verification=hkfpbfs4opgdff2fyqldtz2rg6xxtu"
```

### AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 9457
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
```

```
;; ANSWER SECTION:
malaymail.com. 300 IN AAAA 2606:4700:20::681a:9f4
malaymail.com. 300 IN AAAA 2606:4700:20::ac43:445c
malaymail.com. 300 IN AAAA 2606:4700:20::681a:8f4
```

**RRSIG**

```
art.ns.cloudflare.com. dns.cloudflare.com. 2397668711 10000 2400 604800 1800
```

**DNSKEY**

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 24896
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
malaymail.com. 1800 IN SOA art.ns.cloudflare.com. dns.cloudflare.com. 2397668711 10000 2400 604800 1800
```

**DNSSEC\_VALIDATION**

```
; unsigned answer
malaymail.com. 1800 IN SOA art.ns.cloudflare.com. dns.cloudflare.com. 2397668711 10000 2400 604800 1800
```



TLS Handshake Evidence

IPV4 Connection

IP Used	104.26.9.244
IP Version	4

```
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 = malaymail.com
verify return:1
CONNECTED(00000010)
...
Certificate chain
0 s:CN = malaymail.com
i:C = US, O = Google Trust Services, CN = WE1
a:PKKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA256
v:NotBefore: Feb 15 23:09:30 2026 GMT; NotAfter: May 17 00:09:23 2026 GMT
-----BEGIN CERTIFICATE-----
MIIDQzCCA1GgAwIBAgIQNP0vtXMsvzUNipB2nn0WyTAKBggqhkJOPQDAjA7M0sw
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LzgzZjFfLU5tCjB3LmNybDCCAQUGCCisGAQQB1nkCBAIEgfYegfMA8QB2AJaXZL9V
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112wFQdRsrXtWtY5ANcs8TYeNY1PmEriv8SdAejA1BpZ5B8o5Mhusbd0P+EEey
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PNDUcHM6Uy7BdW3twD1VDo9zyrdHvgnFdlc2a7L64w==
-----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:PKKEY: 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/MZd5csIkp2FV0TttaF4zAKBggqhkJOPQDAzBHM0sw
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Z1dHTCEDhUDCR127WecPQMFcF4XGGTfn1XzthkubgdnXGh0LCgP4mMTG6J7/EFmP
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ci9yNC5jcmwEwYDVR0gBAwwCjAIBgZngQwBAGewCgYIKoZIZj0EAwMDaAAwZQIX
A0cCq1HW900VznX+0RGU1cxAQXomvtgM8zItPZCuF08jSBJSjz5keR0v9aYsAm5V
sQIwJonMaAFi54mrfhfFNZEfuNMSQ6/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: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+UwvzMT077dghYQST2KGzANBggqhkiG9w0BAQsFADBX
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CxMhUm9vdCBQDTEbMBkGA1UEAxMSR29vZ2x1IFRydXN0IFNlcnZpY2VzYU4GA1UE
NTA2NDMyMVoXDTI4MDEyODAwMDAwMDAwRzELMakGA1UEBHMVVMxIjAgBgNVBAoT
GUdub2dsZSBSUcVndzCBTZXJ2aWwncyBMTEmxMFAASBnVBAAMTCEUyYjB5b290IFI0
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Rr1r1WEYNa5A3XP3iZEwWus87oV8okB206nGuEfyKueSkWpZ6bFy0Z8pn6KY019e
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```

```

0i8va55wa2kuZ29vZy9nc3IxLmNydDAtBgNVHR8EJjAKMCKgIKAEhhxodHRwOi8v
Yy5wa2kuZ29vZy9yL2dzcjEuY3JsMBMGA1UdIAQMAowCAYGZ4EMAQIBMA0GCsQg
S1b3D0EBCwUAA4IBAQAQYQrsPBtYDh5bjP20BDwmkwlhIDDkic574y04tfzHpn+cJ
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8RqZ7a2CPsgrBuvTPBwcOMBmufE88+FSBX6+7iP0i18b4Z00FqIwwMHfs/L6K1
vepuoxtGzi4CZ68zJpiq1UvSqTbFJjtbd4seiMHL
-----END CERTIFICATE-----
---
Server certificate
subject=CN = malaymail.com
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 2832 bytes and written 395 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

```

IPv6 Connection

IP Used	2606:4700:20::681a:8f4
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 = malaymail.com
verify return:1
CONNECTED(00000010)
---
Certificate chain
0 s:CN = malaymail.com
  i:C = US, O = Google Trust Services, CN = WE1
  a:PKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA256
  v:NotBefore: Feb 15 23:09:30 2026 GMT; NotAfter: May 17 00:09:23 2026 GMT
-----BEGIN CERTIFICATE-----
MIIDQzCCA1GgAwIBAgIQNP0vtXMsVzUNipB2nn0WytAKBggqhkJOPQDAjA7MQsw
CQYDVQQGEwJVUzEeMBwGA1UEChMVR29vZ2x1IFRydXN0IFNlcnZpY2VzMQwwCgYD
VQ0EwNXRTEwHhcnMjYwMjE1MjMwOTMwMwNmjYwNTE3MDAwOTIzWjAYMRwFAyD
VQ0Ew1tYwXheW1haWwY29tMFkwEYyK0ZiZj0CAQYIKoZIzj0DAQcDQgAEfXB7
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NB0uH7iGr5Y/vmPjGqQCALgwgGJUMA4GA1UdDwEB/wQEAwIHGDATBgNVHSUEDDAK
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BQcBAQRSMFwJwYIKwYBBQUHMAAGG2h0dHA6Ly9vLnBra55nb29nL3Mvd2UxL05Q
MDA1BggrrBgEFBQcAoYzAHR0cDovL2kucGtpLmdvb2cvd2UxLmNydDpBgNVHREE
IjAggg1tYwXheW1haWwY29tgg8qLmIhbGF5bWVpbC5jY20wEwYDVR0gBAwwCjAI
BgZngQwBAGwNgYDVR0fBc8wLTArOCmGJ4Y1aHR0cDovL2MucGtpLmdvb2cvd2Ux
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3fjDAAABnGPH5iAAAAQDAEgWgRgIhAMM5Hbc5UzvNiFX6LAGd0e7FrrMAocJDYNR
hAJLW+uAiEAg3ou2TV0tGfncpALxrmVbVq+0QjfhncC/5hHaRipzswCgYIKoZI
zj0EAWIDSAAwRQIhAphWSL6zMy9LwOPAgBKIVh6wo+NL/xoVte8IZL/qg6AiAz
PNDUChM6Uy7BdW3twD1VD09zyrdHvgnFdlc2a7L64w==
-----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-----
MIICnzCCA1WgAwIBAgIQf/MZd5csIkp2FV0TttaF4zAKBggqhkJOPQDAzBHM0sw
CQYDVQQGEwJVUzEiMCAgA1UEChMVR29vZ2x1IFRydXN0IFNlcnZpY2V2IEwzMQwE
MBIGA1UEAxMLR1RTIFJvb3QgUjQwHhcnMjYwMjE1MjMwOTMwMwNmjYwNTE3MDAw
OTIzWjAYMRwFAyDwAwjA7MQswCQYDVQQGEwJVUzEeMBwGA1UEChMVR29vZ2x1IFRydXN0IFNlcnZp
Y2V2MQwwCgYDVQQDEwNXRTEwWTAtBgqhkJOPQIBBggqhkJOPQMBBwNCAARvZTr+

```

```

Z1dHTCEDhUDCR127WecPQMFcF4XGGTfn1XzthkubgdnXGh0LCgP4mMTG6J7/EFmP
LcAY9eYmJbsPAvpW04H+MIH7MA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBggg
BgEFBQcDAQYIKwYBBQUHAWIwEgYDVROTAQH/BAGwBgEB/wIBADAdBgNVHQ4EFgQU
kHeSNWfE/6jMqeZ72YB5e8yT+TgwHwYDVR0jBBgwFoAUgEzW63T/STaj1dj8tT7F
avCUHYwWNAyIKwYBBQUHAQEEDAmMCGCCsGAQUFBzAChhhodHRwOi8vaS5wa2Yku
Z29vZy9yNC5jcnQwKwYDVR0fBCQwIjAgoB6GHIYaaHR0cDovL2MucGtpLmdvb2cv
ci9yNC5jcmwEwYDVR0gBAwwCjAIBgZngQwBAGwEwCgYIKoZIzj0EAwMDaAAwZQIX
A0cCq1HW900VznX+0RGU1cxAQXomvtgMBzITPZCuF08jSBJJz5keR0v9aYsAm5V
sQIUwJonMaAFi54mrfhf0FNZEfUfNMSQ6/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
M0sCQYDVQGEwJCRTEZMBCGA1UEChM0R2xvYmFsU2lnb1BudilzYTEQMA4GA1UE
CxMHUm9vdCBDQTEbMkBA1UEAxMSR2xvYmFsU2lnb1BSb290IENBMBA4XDTIzMTEx
NTAzM0YyODV0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0
G0Udvs2sZSBUcnVzdCBTZXJ2aWVudDcyMTEwMDAwMDAwMDAwMDAwMDAwMDAwMDAw
M0YyODV0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0eXN0
MHYwEAYHKoZIzj0CAQYFK4EEACIDYgAE83Rzp2iLYK5DuDXFgTB7S0md+8Fhzube
Rr1r1WEYNa5A3XP3iZEWwus87oV8okB206nGuEfyKueSkWpz6bFy0Z8pn6KY019e
WIZLD6GEZQbR3IvJx3PIjGov5cSr0R2Ko4H/MIH8MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHSUEFjAUBgggBgEFBQcDAQYIKwYBBQUHAWIwEgYDVROTAQH/BAUwAwEB/zAd
BgNVHQ4EFgQUgEzW63T/STaj1dj8tT7FavCUHYwWNAyIKwYBBQUHAWIwEgYDVRO
jBBgwFoAUyHtmGkUNl8qJUC99BM00qP/8/UsWNgYIKwYBBQUHAQEEDAmMCGCCsGAQUFBzAChhhodHRw
Oi8vaS5wa2kuZ29vZy9yNC5jcnQwKwYDVR0fBCQwIjAgoB6GHIYaaHR0cDovL2MucGtpLmdvb2cv
ci9yNC5jcmwEwYDVR0gBAwwCjAIBgZngQwBAGwEwCgYIKoZIzj0EAwMDaAAwZQIX
A0cCq1HW900VznX+0RGU1cxAQXomvtgMBzITPZCuF08jSBJJz5keR0v9aYsAm5V
sQIUwJonMaAFi54mrfhf0FNZEfUfNMSQ6/bIBiNLiyoX46FohQvKeIoJ99cx7sUkFN
7uJW
-----END CERTIFICATE-----
---
Server certificate
subject=CN = malaymail.com
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 2832 bytes and written 395 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

```





```

"16": "server: cloudflare",
"17": "access-control-allow-origin: *",
"18": "cache-control: no-cache, private",
"19": "x-cache: Miss from cloudfront",
"20": "via: 1.1 32cf55315a07cd76c68fd0c005a1d7e8.cloudfront.net (CloudFront)",
"21": "x-amz-cf-pop: MXP53-P8",
"22": "age: 173",
"23": "last-modified: Fri, 06 Mar 2026 09:15:15 GMT",
"24": "cf-cache-status: HIT",
"25": "nel: {\\"report_to\\":\\"cf-nel\\",\\"success_fraction\\":0.0,\\"max_age\\":604800}",
"26": "vary: accept-encoding",
"27": "report-to: {\\"group\\":\\"cf-
nel\\",\\"max_age\\":604800,\\"endpoints\\":[{\\"url\\":\\"https://a.nel.cloudflare.com/report/v4?s=ZHPtYUGcJ4hFzZwKrvJR%2B%2FQk7DfDv5bmZkKHLxQBiCgImq1s09ETj8l0Xioj0t3NdqQh1gQ38Js8vwmk6
"}
    
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	104.26.8.244
Connect Time	18.11 ms
TTFB	73.2 ms
Total Time	73.26 ms

Response Headers:

```

{
  "0": "HTTP/2 301",
  "1": "date: Fri, 06 Mar 2026 09:18:09 GMT",
  "2": "location: https://www.malaymail.com/",
  "3": "report-to: {\\"group\\":\\"cf-
nel\\",\\"max_age\\":604800,\\"endpoints\\":[{\\"url\\":\\"https://a.nel.cloudflare.com/report/v4?s=4UUWQZnJw33PUUKIVt44Bb3ZRpD4C1M3K3QSMVpVQ1Qf3ekG1tjEkJUKLgKSmBYovhnR2Bo43w45Mr3HvpmT7
nel\\",\\"max_age\\":604800,\\"endpoints\\":[{\\"url\\":\\"https://a.nel.cloudflare.com/report/v4?s=XYg%2BIOzVaPf3PR75KRCIRMBQKiL5tk3J0nEiigGPvoX8BTj7BIA1LspHtWxUptigKSGtEs4pAbeuwQiY5V
"}
  "4": "nel: {\\"report_to\\":\\"cf-nel\\",\\"success_fraction\\":0.0,\\"max_age\\":604800}",
  "5": "server: cloudflare",
  "6": "cf-ray: 9d80457fa91cf876-SIN",
  "7": "alt-svc: h3=\\":443\\"; ma=86400",
  "9": "HTTP/2 200",
  "10": "date: Fri, 06 Mar 2026 09:18:09 GMT",
  "11": "content-type: text/html; charset=UTF-8",
  "12": "x-fastcgi-cache: BYPASS",
  "13": "mmo-be: 4",
  "14": "x-amz-cf-id: mtPLTVy6amMLE6Cp8h_DfAUKrmK7g6dno3JSgxXmXwKVYEzZc9qsQ==",
  "15": "server: cloudflare",
  "16": "access-control-allow-origin: *",
  "17": "cache-control: no-cache, private",
  "18": "x-cache: Miss from cloudfront",
  "19": "via: 1.1 32cf55315a07cd76c68fd0c005a1d7e8.cloudfront.net (CloudFront)",
  "20": "x-amz-cf-pop: MXP53-P8",
  "21": "age: 173",
  "22": "last-modified: Fri, 06 Mar 2026 09:15:15 GMT",
  "23": "cf-cache-status: HIT",
  "24": "nel: {\\"report_to\\":\\"cf-nel\\",\\"success_fraction\\":0.0,\\"max_age\\":604800}",
  "25": "vary: accept-encoding",
  "26": "report-to: {\\"group\\":\\"cf-
nel\\",\\"max_age\\":604800,\\"endpoints\\":[{\\"url\\":\\"https://a.nel.cloudflare.com/report/v4?s=XYg%2BIOzVaPf3PR75KRCIRMBQKiL5tk3J0nEiigGPvoX8BTj7BIA1LspHtWxUptigKSGtEs4pAbeuwQiY5V
"}
  "27": "cf-ray: 9d80457faa8cdf1-SIN",
  "28": "alt-svc: h3=\\":443\\"; ma=86400"
}
    
```

IPv6 HTTPS (port 443)

HTTP Status	200
Connected IP	2606:4700:20::681a:9f4
Connect Time	18.54 ms
TTFB	79.53 ms
Total Time	79.6 ms

Response Headers:

```

{
  "0": "HTTP/2 301",
  "1": "date: Fri, 06 Mar 2026 09:18:09 GMT",
}
    
```

```

"2": "location: https://www.malaymail.com/",
"3": "report-to: {\\"group\\":\\"cf-
nel\\",\\"max_age\\":604800,\\"endpoints\\":[{\\"url\\":\\"https://a.nel.cloudflare.com/report/v4?s=8KGkYo1pb3w1t%2FvFrFCUvYtI0CArs2szYJbhh%2F89FRZ8RQ%2FPT7YURaufTe%2FF%2F0axmqv9Dp5r5n
"4": "nel: {\\"report_to\\":\\"cf-nel\\",\\"success_fraction\\":0.0,\\"max_age\\":604800}",
"5": "server: cloudflare",
"6": "cf-ray: 9d80457ddf775e5e-SIN",
"7": "alt-svc: h3=\\":443\\"; ma=86400",
"9": "HTTP/2 200",
"10": "date: Fri, 06 Mar 2026 09:18:09 GMT",
"11": "content-type: text/html; charset=UTF-8",
"12": "x-fastcgi-cache: BYPASS",
"13": "mmo-be: 4",
"14": "x-amz-cf-id: mtPLTVy6amMLE6Cp8h_DfAUKrmK7g6dno3JSgxXmXwKVYEzZc9qs0==",
"15": "server: cloudflare",
"16": "access-control-allow-origin: *",
"17": "cache-control: no-cache, private",
"18": "x-cache: Miss from cloudfront",
"19": "via: 1.1 32cf55315a07cd76c68fd0c005a1d7e8.cloudfront.net (CloudFront)",
"20": "x-amz-cf-pop: MXP53-P8",
"21": "age: 173",
"22": "last-modified: Fri, 06 Mar 2026 09:15:15 GMT",
"23": "cf-cache-status: HIT",
"24": "nel: {\\"report_to\\":\\"cf-nel\\",\\"success_fraction\\":0.0,\\"max_age\\":604800}",
"25": "vary: accept-encoding",
"26": "report-to: {\\"group\\":\\"cf-
nel\\",\\"max_age\\":604800,\\"endpoints\\":[{\\"url\\":\\"https://a.nel.cloudflare.com/report/v4?s=loarNmgiV%2Bezy%2BMpn4mzqp2Zs6jrknDzdc1%2FiruJV6ErrsU4HZ%2BUIg4vY0hqJ434aWjMi45F0wtn
"27": "cf-ray: 9d80457e0c31d439-SIN",
"28": "alt-svc: h3=\\":443\\"; ma=86400"
}
    
```

**Connectivity Test Evidence**

Test	Result
TCP Connect IPv4 → port 80	301 0.011414 0.021977
TCP Connect IPv6 → port 80	301 0.008310 0.021360
TCP Connect IPv4 → port 443	301 0.011234 0.113923
TCP Connect IPv6 → port 443	301 0.010090 0.079840

**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
    
```