


IPv6 Readiness Report

theedgemalaysia.com — theedgemalaysia.com



Scan to verify

Category: News Portal • Generated: 13 Jun 2026, 20:03 MYT • Last Checked: 13 Jun 2026, 01:07 MYT • Verification ID: 7f8aca63-2307-4f4a-9336-81f387a9fb7f
Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>
Audit trail: <https://ipv6.my6.my/audit/7f8aca63-2307-4f4a-9336-81f387a9fb7f>

 **Partially Compliant**
MGv6C-1.0

82%
Partial Support

IPV6-ONLY READINESS
Website: ✓ Ready
DNS: ✓ Ready
Email: ✗ Not Ready

IPV6 ADDRESSES 2606:4700:10::6814:2c4a 2606:4700:10::ac42:9d21	IPV4 ADDRESSES 172.66.157.33 104.20.44.74
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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	172.64.0.0/13

Web Services (35%)				8 / 8
#	CHECK	RESULT	DETAIL	
1	AAAA Record	PASS	2606:4700:10::6814:2c4a, 2606:4700:10::ac42:9d21	
2	Globally Routable IPv6	PASS	All addresses are globally routable.	
3	HTTP over IPv6	PASS	HTTP (port 80) responds over IPv6 — 86ms TTFB.	
4	HTTPS over IPv6	PASS	HTTPS (port 443) responds over IPv6 — 40ms 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 Aug 20 16:28:41 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.	

#	CHECK	RESULT	DETAIL
7	RRSIG Valid	FAIL	No valid RRSIG found.
8	Signing Algorithm	INFO	No DNSKEY record found.

Email Services (25%) 4 / 6

#	CHECK	RESULT	DETAIL
1	MX Record Exists	PASS	MX record found.
2	MX Server Has IPv6	PASS	MX server has AAAA record.
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	No common DKIM selector found.
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	172.66.157.33, 104.20.44.74
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 60ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 56ms TTFB.

Audit Trail & Evidence Record

Verification ID	7f8aca63-2307-4f4a-9336-81f387a9fb7f
Domain	theedgemalaysia.com
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:06:22 MYT
Finished	13 Jun 2026, 01:07:28 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/7f8aca63-2307-4f4a-9336-81f387a9fb7f

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	870febbaf25294bf12bf0e9d238425e2d5d4594225fc78d67ab7ccec54b48f9
http_headers	ae4fcb8deb564d4d14763eff519ed63688daf55fd3059b3343e2319679fd5b8f
dns_responses	65e76110b1c1a4113802510fb68d57794c3572b7e44877858e46b5003d264c2a
tls_handshake	f1d825e5bb2931258e60aef7c859d41a87d7d6581c80d66266b6a54d86dc0024
connectivity_log	30ba16dc2b571e87210b84c2ad085e1dc68b83eaeabcd36b8a96d0d251c5703
dns_resolution_times	838dd5baa86a5e940fcc095c167a95276c4ec9c8ebd57044a98f0435f6bd9ff7

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	19.07	21.49	20.93	27.13	+1.9
Google	IPv4	37.01	41.03	39.93	41.95	+2.9
Google	IPv6	21.79	24.6	31.77	32.2	+10
Cloudflare	IPv4	10.09	21	10.07	18.09	-0
Cloudflare	IPv6	28.83	28.92	23.95	33.17	-4.9

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 35013
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
theedgemalaysia.com. 300 IN A 104.20.44.74
theedgemalaysia.com. 300 IN A 172.66.157.33
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 7747
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com. 878 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1781284003 1800 900 604800 900
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 18572
;; flags: qr rd ra; QUERY: 1, ANSWER: 7, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
theedgemalaysia.com. 300 IN MX 30 aspmx4.googlemail.com.
theedgemalaysia.com. 300 IN MX 30 aspmx5.googlemail.com.
theedgemalaysia.com. 300 IN MX 10 aspmx.l.google.com.
theedgemalaysia.com. 300 IN MX 20 alt1.aspmx.l.google.com.
theedgemalaysia.com. 300 IN MX 20 alt2.aspmx.l.google.com.
theedgemalaysia.com. 300 IN MX 30 aspmx2.googlemail.com.
theedgemalaysia.com. 300 IN MX 30 aspmx3.googlemail.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 49675
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
theedgemalaysia.com. 86400 IN NS amy.ns.cloudflare.com.
theedgemalaysia.com. 86400 IN NS carl.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 64
;; flags: qr rd ra; QUERY: 1, ANSWER: 9, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
theedgemalaysia.com. 120 IN TXT "tiktok-developers-site-verification=li6cZ05W7xj4uBN4MIoTypBz9VIXZeih"
theedgemalaysia.com. 120 IN TXT "v=spf1 include:enginemailer.net ~all"
theedgemalaysia.com. 120 IN TXT "dailymotion-domain-verification=dmgdk7t368obk7erz"
theedgemalaysia.com. 120 IN TXT "facebook-domain-verification=7mneoqpmh14ju99e1t0e4q6632ms43"
theedgemalaysia.com. 120 IN TXT "globalsign-domain-verification=23E6CD9EDB052B8F6D74FA78999942AA"
theedgemalaysia.com. 120 IN TXT "globalsign-domain-verification=6A558947901E19ABF609B116450D183E"
theedgemalaysia.com. 120 IN TXT "google-site-verification=mfE4N51D6JXnh94BRPhHzYRgLnV00g3P_KNuJDhYb-k"
theedgemalaysia.com. 120 IN TXT "tiktok-developers-site-verification=0kM4G5bjZZNWIXVnNsN9E7VRgGyenaGe"
theedgemalaysia.com. 120 IN TXT "tiktok-developers-site-verification=aN6Gr4BCRFKcNjYfd6CDX6fTfqXf5QJW"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 17479
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1
```

```
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 1232  
;; ANSWER SECTION:  
theedgemalaysia.com. 300 IN AAAA 2606:4700:10::ac42:9d21  
theedgemalaysia.com. 300 IN AAAA 2606:4700:10::6814:2c4a
```

RRSIG

```
amy.ns.cloudflare.com. dns.cloudflare.com. 2406282763 10000 2400 604800 1800
```

DNSKEY

```
;; Got answer:  
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 19720  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 1232  
;; AUTHORITY SECTION:  
theedgemalaysia.com. 1736 IN SOA amy.ns.cloudflare.com. dns.cloudflare.com. 2406282763 10000 2400 604800 1800
```

DNSSEC_VALIDATION

```
; unsigned answer  
theedgemalaysia.com. 1735 IN SOA amy.ns.cloudflare.com. dns.cloudflare.com. 2406282763 10000 2400 604800 1800
```



```

Y2VzMQwwCgYDVQDEWXRTEWWTATBgqhkJOPQIBBggqhkjOPQMBBwNCAARvzTr+
Z1dHTCEDhUDCR127WecPQMFcF4XGGTfn1XzthkubgdnXGh0Lcgp4mMTG6J7/EFmP
LcA9eYmJbsPAvpWo4H+MIH7MA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBggg
BgEFBQcDAQYIKwYBBQUHAWIwEgYDVR0TAQH/BAgwBgEB/wIBADAdBgNVHQ4EFgQU
kHeSNwfe/6jMqeZ72YB5e8yT+TgwHwYDVR0jBBgwFoAUEgEzW63T/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+UwvzMTQ77dghyQST2KGzANBqgkhiG9w0BAQsFADBX
MQswCQYDVQQGEwJCRTEZMBcGA1UEChMQR2xvYmFsU2lnbiBudilzYTEQMA4GA1UE
CxMHUm9vdCBDQTEbMBkGA1UEAxMSR2xvYmFsU2lnbiBSb290IENBMB4XDTEzMTEx
NTAzNDMyMVoXDTI4MDEyODAwMDA0MlowRzELMAkGA1UEBhMCMVmxIjAgBgNVBAoT
GUdub2dsZS5BUcncvZdCBTZXJ2aWwNcyBMTExFb250IENBMB4XDTEzMTExNTEx
MHYwEAYHKoZIzj0CAQYFK4EEACIDYgAE83Rzpz2iLYK5DuDXFgTB750md+8Fhzube
Rr1r1WEYNa5A3XP3iZEwWus87oV8okB206nGuEfyKueSkWpz6bFyOZ8pn6KY019e
WIZLD6GEZQbr3IvJx3PIjGov5c5r0R2Ko4H/MIH8MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHSUEFjAUBgggBgEFBQcDAQYIKwYBBQUHAWIwDwYDVR0TAQH/BAUwAwEB/zAd
BgNVHQ4EFgQUgEzW63T/STaj1dj8tT7FavCUHYwHwYDVR0jBBgwFoAUYHtmGkUN
l8qJUC99BM00qP/8/UswnGYIKwYBBQUHAQEEDjAAMCYGCCsGAQUFBzACHhpodHRw
Oi8vaS5wa2kuZ29vZy9nc5jcnQwKwYDVR0fDAtBgNVHR8EjAkMCKgIKAEhhxodHRwOi8v
Yy5wa2kuZ29vZy9yL2dzcjEuY3JsbmBGA1UdIAQMMAowCAYGZ4EMAQIBMA0GCsQg
SIb3DQEBChUA4IBAQAQYQrsPbtYDh5bjP20BDwmk0WhIDDkic574y04tfzHpn+cJ
odI2D4SseesQ6bDrarZ7C30ddLibZatoKiws3UL9xnELz4ct92vID24FvbiIhY
+SW6F0VHkNeWIP0GCbaM4C6uVdF5dTUsMVs/ZbzNnIdCp5Gxmx5ejvEau8otR/Cs
kGN+hr/W5GvT1tMBjgwKZ1i4//emhA1JG1BbPzoLJQvYotc03lXjTaCzv8mEbeb
8RqZ7a2CpSgRbuVTPBwcOMBmufEU88+FSBX6+71P0i18b4Z0QFqIwwMHfs/L6K1
vepuoxTgzi4CZ68zJpiq1UvSqtBfJjtd4seiMhL
-----END CERTIFICATE-----
---
Server certificate
subject=CN = theedgemalaysia.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 2848 bytes and written 401 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	172.66.157.33
Connect Time	16.34 ms
TTFB	64.94 ms
Total Time	65.03 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 12 Jun 2026 17:07:28 GMT",
  "2": "Content-Type: text/html; charset=UTF-8",
  "3": "Connection: keep-alive",
  "4": "Location: https://theedgemalaysia.com/",
  "5": "Server: cloudflare",
  "6": "CF-RAY: a0aa73b59cf1ce63-SIN",
  "7": "alt-svc: h3=\":443\"; ma=86400",
  "9": "HTTP/2 200",
  "10": "date: Fri, 12 Jun 2026 17:07:28 GMT",
  "11": "content-type: text/html; charset=utf-8",
  "12": "server: cloudflare",
  "13": "x-powered-by: Next.js",
  "14": "cache-control: private, max-age=30, must-revalidate",
  "15": "vary: Accept-Encoding",
  "16": "age: 8",
  "17": "last-modified: Fri, 12 Jun 2026 17:07:19 GMT",
  "18": "cf-cache-status: HIT",
  "19": "cf-ray: a0aa73b5dfb53fff-SIN",
  "20": "alt-svc: h3=\":443\"; ma=86400"
}
```

IPv6 HTTP (port 80)

HTTP Status	200
Connected IP	2606:4700:10::ac42:9d21
Connect Time	19.23 ms
TTFB	80.25 ms
Total Time	80.35 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 12 Jun 2026 17:07:28 GMT",
  "2": "Content-Type: text/html; charset=UTF-8",
  "3": "Connection: keep-alive",
  "4": "Location: https://theedgemalaysia.com/",
  "5": "Server: cloudflare",
  "6": "CF-RAY: a0aa73b4bdd5c30-SIN",
  "7": "alt-svc: h3=\":443\"; ma=86400",
  "9": "HTTP/2 200",
  "10": "date: Fri, 12 Jun 2026 17:07:28 GMT",
  "11": "content-type: text/html; charset=utf-8",
  "12": "server: cloudflare",
  "13": "x-powered-by: Next.js",
  "14": "cache-control: private, max-age=30, must-revalidate",
  "15": "vary: Accept-Encoding",
  "16": "age: 8",
  "17": "last-modified: Fri, 12 Jun 2026 17:07:19 GMT",
  "18": "cf-cache-status: HIT",
  "19": "cf-ray: a0aa73b52a4bfd1f-SIN",
  "20": "alt-svc: h3=\":443\"; ma=86400"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	172.66.157.33

Connect Time	6.95 ms
TTFB	37.88 ms
Total Time	37.92 ms

Response Headers:

```
[
  "HTTP/2 200",
  "date: Fri, 12 Jun 2026 17:07:28 GMT",
  "content-type: text/html; charset=utf-8",
  "server: cloudflare",
  "x-powered-by: Next.js",
  "cache-control: private, max-age=30, must-revalidate",
  "vary: Accept-Encoding",
  "age: 8",
  "last-modified: Fri, 12 Jun 2026 17:07:19 GMT",
  "cf-cache-status: HIT",
  "cf-ray: a0aa73b61999fcf0-SIN",
  "alt-svc: h3=\":443\"; ma=86400"
]
```

IPv6 HTTPS (port 443)

HTTP Status	200
Connected IP	2606:4700:10::6814:2c4a
Connect Time	6.58 ms
TTFB	44.3 ms
Total Time	44.36 ms

Response Headers:

```
[
  "HTTP/2 200",
  "date: Fri, 12 Jun 2026 17:07:28 GMT",
  "content-type: text/html; charset=utf-8",
  "server: cloudflare",
  "x-powered-by: Next.js",
  "cache-control: private, max-age=30, must-revalidate",
  "vary: Accept-Encoding",
  "age: 8",
  "last-modified: Fri, 12 Jun 2026 17:07:19 GMT",
  "cf-cache-status: HIT",
  "cf-ray: a0aa73b56f23713e-SIN",
  "alt-svc: h3=\":443\"; ma=86400"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.009083 0.025068
TCP Connect IPv6 → port 80	301 0.007399 0.037061
TCP Connect IPv4 → port 443	200 0.008398 0.072744
TCP Connect IPv6 → port 443	200 0.008796 0.053548

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
```