

IPv6 Readiness Report

ummc.edu.my — ummc.edu.my



Scan to verify

Category: Healthcare • Generated: 04 Jul 2026, 22:12 MYT • Last Checked: 04 Jul 2026, 03:40 MYT • Verification ID: 65cfc73f-af69-4a3a-82f7-ae36ff6ff097

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

Audit trail: <https://ipv6.my6.my/audit/65cfc73f-af69-4a3a-82f7-ae36ff6ff097>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>47%</p> <p>No IPv6 Support</p>	<p>IPv6-ONLY READINESS</p> <p>Website: X Not Ready</p> <p>DNS: ✓ Ready</p> <p>Email: X Not Ready</p>
--	---	--

IPv4 ADDRESSES
175.143.6.154
103.18.0.226

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	ADSL-STREAMYX
Country	MY
ASN	AS4788
ASN Name	TTSSB-MY - TM TECHNOLOGY SERVICES SDN. BHD., MY
Network (CIDR)	175.143.0.0/16

Web Services (35%)				0 / 8
#	CHECK	RESULT	DETAIL	
1	AAAA Record	FAIL	No AAAA record found in DNS.	
2	Globally Routable IPv6	FAIL	IPv6 address is not globally routable.	
3	HTTP over IPv6	FAIL	HTTP is not accessible over IPv6.	
4	HTTPS over IPv6	FAIL	HTTPS is not accessible over IPv6.	
5	IPv6-Only Reachability	FAIL	Site is not reachable when limited to IPv6-only.	
6	TLS Certificate Valid (IPv6)	FAIL	TLS certificate is invalid, expired, or hostname mismatch over IPv6.	
7	Dual-Stack (IPv4 + IPv6)	FAIL	Domain is IPv6-only or IPv4-only.	
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.	
6	DS Record at Parent	FAIL	No DS record at parent.	
7	RRSIG Valid	FAIL	No valid RRSIG found.	

#	CHECK	RESULT	DETAIL
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	175.143.6.154, 103.18.0.226
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 470ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 272ms TTFB.

Audit Trail & Evidence Record

Verification ID	65cfc73f-af69-4a3a-82f7-ae36ff6ff097
Domain	ummc.edu.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:39:48 MYT
Finished	04 Jul 2026, 03:40:23 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/65cfc73f-af69-4a3a-82f7-ae36ff6ff097

Integrity Verification

<p>✓ INTEGRITY VERIFIED</p>	
Algorithm	hmac-sha256-v1
Root Hash	2542898fafbb63ed72b873471fe1d8fae126905e28b899eca1a1dcb431906c86
http_headers	72be1f07518442d8f0f533d351b91682b3cd25c6317e0d2e944a232646d16027
dns_responses	ead0be5c84179376aff7cb4d7988e35ac8d461f6bb5f69d3d8a3040eec672585
tls_handshake	46a3b3f80241cc53ddf4612658b079830bbe5f44fb58834d6acf331dba9d3056
connectivity_log	b864c0c70faf1d6843c500c493a6e30e3499f005baace1fda8f433e38d00ca18
dns_resolution_times	d597fa0041dff2c9a9efbed1187b9b4fbf2e2d9f3719b7fdd0c17d908961efc1

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	22.27	23.44	13.46	21.07	-8.8
Google	IPv4	27.62	30.84	29.85	40.51	+2.2
Google	IPv6	23.11	31.62	30.9	43.77	+7.8
Cloudflare	IPv4	22.53	29.59	9.42	20.08	-13.1
Cloudflare	IPv6	23.92	36.67	10.15	40.77	-13.8

DNS Evidence

A

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 16370
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
ummc.edu.my. 3600 IN A 103.18.0.226
ummc.edu.my. 3600 IN A 175.143.6.154
```

DS

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 21197
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
edu.my. 3577 IN SOA e.nic.my. hostmaster.nic.my. 2026052757 1800 900 604800 3600
```

MX

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 28293
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
ummc.edu.my. 3600 IN MX 10 alt3.aspmx.l.google.com.
ummc.edu.my. 3600 IN MX 5 alt2.aspmx.l.google.com.
ummc.edu.my. 3600 IN MX 10 alt4.aspmx.l.google.com.
ummc.edu.my. 3600 IN MX 1 aspmx.l.google.com.
ummc.edu.my. 3600 IN MX 5 alt1.aspmx.l.google.com.
```

NS

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 30960
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 2

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
ummc.edu.my. 3600 IN NS ns2.afraid.org.
ummc.edu.my. 3600 IN NS dnslave.1984.is.
ummc.edu.my. 3600 IN NS ns1.twisted4life.com.
ummc.edu.my. 3600 IN NS ummc-dc.ummc.edu.my.
```

TXT

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 49332
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
ummc.edu.my. 3600 IN TXT "facebook-domain-verification=ldza2lbkjvs91ph60lnr7uwnl5no5r"
ummc.edu.my. 3600 IN TXT "google-site-verification=NhGXysy_HKwH8zYwP7Vz5lKQXzZfb_wTX0Km02Qpac"
ummc.edu.my. 3600 IN TXT "MS=2E2CCF5ACF5CD1F280F29D4A3735A742B6475753"
ummc.edu.my. 3600 IN TXT "ZOOM_verify_X15XyQETTzSzf591G_cpg"
ummc.edu.my. 3600 IN TXT "v=spf1 include:_spf.google.com ~all"
ummc.edu.my. 3600 IN TXT "google-site-verification=vXplb4NlWJ50HuELBy57iJ0LJm69-kIXEIHU15geeyE"
```

AAAA

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 43638
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
```

```
;; AUTHORITY SECTION:  
ummc.edu.my. 3571 IN SOA ummc-dc. administrator.ummc.edu.my. 2010051664 7200 3600 1209600 3600
```

RRSIG

```
ummc-dc. administrator.ummc.edu.my. 2010051664 7200 3600 1209600 3600
```

DNSKEY

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 46123  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 1232  
;; AUTHORITY SECTION:  
ummc.edu.my. 3570 IN SOA ummc-dc. administrator.ummc.edu.my. 2010051664 7200 3600 1209600 3600
```

DNSSEC_VALIDATION

```
; unsigned answer  
ummc.edu.my. 3571 IN SOA ummc-dc. administrator.ummc.edu.my. 2010051664 7200 3600 1209600 3600
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	175.143.6.154
Connect Time	15.62 ms
TTFB	411.39 ms
Total Time	411.54 ms

Response Headers:

```
{
  "0": "HTTP/1.1 302 Found",
  "1": "content-length: 0",
  "2": "location: https://ummc.edu.my/",
  "3": "cache-control: no-cache",
  "4": "connection: close",
  "6": "HTTP/1.1 200 OK",
  "7": "Date: Fri, 03 Jul 2026 19:40:23 GMT",
  "8": "Content-Type: text/html",
  "9": "Content-Length: 99041",
  "10": "Connection: keep-alive",
  "11": "cache-control: private",
  "12": "set-cookie: ASPSESSIONIDCABTRDSB=BL0CLGIDDIENADLAAAELME; path=/; HttpOnly",
  "13": "x-xss-protection: 1; mode=block",
  "14": "x-content-type-options: nosniff",
  "15": "access-control-allow-origin: *",
  "16": "alt-svc: h3=\":443\"; ma=86400",
  "17": "via: HA-LBEXTN1",
  "18": "x-frame-options: SAMEORIGIN",
  "19": "strict-transport-security: max-age=16000000; includeSubDomains; preload;"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	175.143.6.154
Connect Time	6.01 ms
TTFB	312.32 ms
Total Time	312.36 ms

Response Headers:

```
[
  "HTTP/1.1 200 OK",
  "Date: Fri, 03 Jul 2026 19:40:23 GMT",
  "Content-Type: text/html",
  "Content-Length: 99041",
  "Connection: keep-alive",
  "cache-control: private",
  "set-cookie: ASPSESSIONIDCABTRDSB=HL0CLGIDJEECKLNOHEBK00H; path=/; HttpOnly",
  "x-xss-protection: 1; mode=block",
  "x-content-type-options: nosniff",
  "access-control-allow-origin: *",
  "alt-svc: h3=\":443\"; ma=86400",
  "via: HA-LBEXTN1",
  "x-frame-options: SAMEORIGIN",
  "strict-transport-security: max-age=16000000; includeSubDomains; preload;"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	302 0.005861 0.014046
TCP Connect IPv4 → port 443	200 0.006215 0.265880

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
```