

IPv6 Readiness Report

umobile.com.my — umobile.com.my



Scan to verify

Category: Telco • Generated: 29 Jul 2026, 04:42 MYT • Last Checked: 04 Jul 2026, 04:57 MYT • Verification ID: 0e23d37c-73e4-45e1-b4f1-390cfa5e4346
Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>
Audit trail: <https://ipv6.my6.my/audit/0e23d37c-73e4-45e1-b4f1-390cfa5e4346>

X

Non-Compliant

MGv6C-1.0

10%

No IPv6 Support

IPv6-ONLY READINESS

Website: X Not Ready

DNS: X Not Ready

Email: X Not Ready

IPv4 ADDRESSES
192.82.60.245

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	IPSERVERONE-MY
Country	MY
ASN	AS45352
ASN Name	IPSERVERONE-AS-AP - IP ServerOne Solutions Sdn Bhd, MY
Network (CIDR)	192.82.60.0/22

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%)				0 / 5
#	CHECK	RESULT	DETAIL	
1	NS Has AAAA Record	FAIL	No nameserver has an AAAA record.	
2	NS Reachable via IPv6	FAIL	No nameserver is reachable over IPv6.	
3	NS Answers Queries via IPv6	FAIL	Nameserver does not answer queries 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%)			0 / 6
#	CHECK	RESULT	DETAIL
1	MX Record Exists	FAIL	No MX record found in DNS.
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	FAIL	No SPF record found.
6	DKIM Selector	INFO	No common DKIM selector found.
7	DMARC Record	FAIL	No DMARC record found.

IPv4 Baseline (15%)			2 / 3
#	CHECK	RESULT	DETAIL
1	A Record	PASS	192.82.60.245
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4.
3	HTTPS over IPv4	FAIL	HTTPS is not accessible over IPv4.

Audit Trail & Evidence Record

Verification ID	0e23d37c-73e4-45e1-b4f1-390cfa5e4346
Domain	umobile.com.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 04:55:08 MYT
Finished	04 Jul 2026, 04:57:50 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/0e23d37c-73e4-45e1-b4f1-390cfa5e4346

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	ac1749fb43d2d12fd1852492c60d1e74117f6c0a37c93239f829a39ddab6c491
http_headers	04a443663dd6680c32935d4b845ed524956b2020694c865ecc66ab385db18093
dns_responses	4888b5f0b025f2b79b077f2c9c81fd964d1e539fac2b920ded8e982c666c060c
tls_handshake	bd480032964c585cc3d1ebe09b5621d5c79f0ac843215c33832327b25a18a7ed
connectivity_log	ac4e99a9f02a7137493bde2f7bf00e7f491db484f43c2bde23d1c34acdc6a6a
dns_resolution_times	95facff832934a424286d01dcada3343ca81ec5629e74f71bbcc08ee49db64c

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	26.3	27.15	15.93	25.19	-10.4
Google	IPv4	68.44	218.79	57.02	58.01	-11.4
Google	IPv6	31.74	67.03	28.38	204.52	-3.4
Cloudflare	IPv4	20.2	20.21	9.89	20.81	-10.3
Cloudflare	IPv6	22.92	226.54	23.26	171.52	+0.3

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 32600
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; ANSWER SECTION:
umobile.com.my. 1800 IN A 192.82.60.245
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 54468
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; AUTHORITY SECTION:
com.my. 3409 IN SOA e.nic.my. hostmaster.nic.my. 2026052772 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 33594
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; AUTHORITY SECTION:
umobile.com.my. 1790 IN SOA ns1.ezydomain.com. technical.webnic.cc. 2025021220 28800 7200 1209600 7200
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 53717
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; ANSWER SECTION:
umobile.com.my. 3600 IN NS ns2.ezydomain.com.
umobile.com.my. 3600 IN NS ns1.ezydomain.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 41786
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; AUTHORITY SECTION:
umobile.com.my. 1790 IN SOA ns1.ezydomain.com. technical.webnic.cc. 2025021220 28800 7200 1209600 7200
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 19213
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; AUTHORITY SECTION:
umobile.com.my. 1790 IN SOA ns1.ezydomain.com. technical.webnic.cc. 2025021220 28800 7200 1209600 7200
```

RRSIG

```
ns1.ezydomain.com. technical.webnic.cc. 2025021220 28800 7200 1209600 7200
```

DNSKEY

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 4712
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
umobile.com.my. 1790 IN SOA ns1.ezydomain.com. technical.webnic.cc. 2025021220 28800 7200 1209600 7200
```

DNSSEC_VALIDATION

```
; unsigned answer
umobile.com.my. 1790 IN SOA ns1.ezydomain.com. technical.webnic.cc. 2025021220 28800 7200 1209600 7200
```

TLS Handshake Evidence

IPv4 Connection

IP Used	192.82.60.245
IP Version	4
<pre>4047DE3DC27A0000:error:8000006E:system library:BIO_connect:Connection timed out:../crypto/bio/bio_sock2.c:114:calling connect() 4047DE3DC27A0000:error:10000067:BIO routines:BIO_connect:connect error:../crypto/bio/bio_sock2.c:116: connect:errno=110</pre>	

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	302
Connected IP	57.155.24.78
Connect Time	36.45 ms
TTFB	106.97 ms
Total Time	107.2 ms
Error	Maximum (3) redirects followed

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 20:57:36 GMT",
  "2": "Server: Apache/2.4.58 (Ubuntu)",
  "3": "Location: https://u.com.my",
  "4": "Content-Type: text/html; charset=UTF-8",
  "6": "HTTP/1.1 302 Found",
  "7": "Content-Type: text/html",
  "8": "Content-length: 0",
  "9": "Connection: Close",
  "10": "Location: https://www.u.com.my/",
  "12": "HTTP/1.1 302 Moved Temporarily",
  "13": "Content-Length: 0",
  "14": "Connection: keep-alive",
  "15": "Date: Fri, 03 Jul 2026 04:57:26 GMT",
  "16": "X-Correlation-Id: ldb35e9dcd74277b2759bb20500d3fa",
  "17": "Location: /en/personal",
  "18": "X-Content-Type-Options: nosniff",
  "19": "X-XSS-Protection: 1; mode=block",
  "20": "X-Frame-Options: SAMEORIGIN",
  "21": "X-Cache: Hit from cloudfront",
  "22": "Via: 1.1 148470925317853b656f5c4aeea32bcc.cloudfront.net (CloudFront)",
  "23": "X-Amz-Cf-Pop: SIN3-P4",
  "24": "X-Amz-Cf-Id: iJkgbenCUxLI0lRaIH04bgdbXidaCod9ZNR3Ci6eDwN1L8AmDVYDg==",
  "25": "Age: 57611",
  "26": "X-FRAME-OPTIONS: SAMEORIGIN",
  "28": "HTTP/1.1 302 Moved Temporarily",
  "29": "Content-Length: 0",
  "30": "Connection: keep-alive",
  "31": "Date: Fri, 03 Jul 2026 04:57:26 GMT",
  "32": "X-Correlation-Id: 46b06a97f43e482db9edf43a12e2d1ff",
  "33": "Location: /en/personal/home",
  "34": "X-Content-Type-Options: nosniff",
  "35": "X-XSS-Protection: 1; mode=block",
  "36": "X-Frame-Options: SAMEORIGIN",
  "37": "X-Cache: Hit from cloudfront",
  "38": "Via: 1.1 148470925317853b656f5c4aeea32bcc.cloudfront.net (CloudFront)",
  "39": "X-Amz-Cf-Pop: SIN3-P4",
  "40": "X-Amz-Cf-Id: h3rRBz23WDjxGGvk_8oBj0icV4itwtUmC21C21xmJrYy5YK03-9QFQ==",
  "41": "Age: 57611",
  "42": "X-FRAME-OPTIONS: SAMEORIGIN"
}
```

IPv4 HTTPS (port 443)

HTTP Status	0
Connected IP	
Connect Time	0 ms
TTFB	0 ms
Total Time	8002.48 ms
Error	Failed to connect to umobile.com.my port 443 after 8002 ms: Timeout was reached

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.007405 0.016354
TCP Connect IPv4 → port 443	000 0.000000 0.000000

Test Node Network Evidence

Node Profile	dual stack
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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
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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