IPv6 Readiness Report

umobile.com.my — umobile.com.my

Scan to verify

Category: Telco • Generated: 02 Nov 2026, 03:13 MYT • Last Checked: 08 Aug 2026, 18:33 MYT • Verification ID: 98d5d80a-5c3e-4a5e-abe2-e99ae5b28823
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/98d5d80a-5c3e-4a5e-abe2-e99ae5b28823

✗

Non-Compliant

MGv6C-1.0

10%

No IPv6 Support

IPV6-ONLY READINESS

Website: ✗ **Not Ready**

DNS: ✗ **Not Ready**

Email: ✗ **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	98d5d80a-5c3e-4a5e-abe2-e99ae5b28823
Domain	umobile.com.my
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:33:04 MYT
Finished	08 Aug 2026, 18:33:46 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/98d5d80a-5c3e-4a5e-abe2-e99ae5b28823

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	448e6fe0c5ae6f7949e545f09953a90d0bdcfea6d1381e78aa6cc634e269ed44
http_headers	a2c563d7ff65c7cc28a9f79b833f0a7147782d02f3211e07ac1f8d54c1fe788c
dns_responses	fb69de560e9cd829b992779be742e75cdf971115689e6db26731b9d63b69d28b
tls_handshake	2f84cb24f45f55bae837c6ede6fb66b6b63dba22639c9c0b37fb39701fd6cf80
connectivity_log	c615ed36ba361f8d0f258f0e1285f9d3fc3e6158d029afc52703f547d7a447de
dns_resolution_times	b0adfa8fc95d09d3a58892eb8ca1116677755ba0d0b34763bd063a67d91663bb

Test Node Identity

Os	Linux srv1440888 6.8.0-136-generic #136-Ubuntu SMP PREEMPT_DYNAMIC Wed Jul 1 21:53:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.33
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	19.72	21.41	19.69	21.59	-0
Google	IPv4	172.91	323.44	92.49	167.88	-80.4
Google	IPv6	80.37	173.61	67.28	175.85	-13.1
Cloudflare	IPv4	29.27	30.25	25.45	29	-3.8
Cloudflare	IPv6	206.67	206.81	28.94	114.08	-177.7

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 64774
;; 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: 4183
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.□□□2891□IN□SOA□e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 21798
;; 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: 44194
;; 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: 4336
;; 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: 20578
;; 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: 64318
;; 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.□□1789□IN□SOA□ns1.ezydomain.com. technical.webnic.cc. 2025021220 28800 7200 1209600 7200
```

DNSSEC_VALIDATION

```
; unsigned answer
umobile.com.my.□□1789□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

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	302
Connected IP	57.155.24.78
Connect Time	26.09 ms
TTFB	109.73 ms
Total Time	110.08 ms
Error	Maximum (3) redirects followed

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Date: Sat, 08 Aug 2026 10:33:33 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: Sat, 08 Aug 2026 09:28:10 GMT",
    "16": "X-Correlation-Id: 4105c1e268684ea4b8b6ab62868cad7b",
    "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 34cd96ef254823505173cf04580f73fa.cloudfront.net (CloudFront)",
    "23": "X-Amz-Cf-Pop: SIN3-P4",
    "24": "X-Amz-Cf-Id: -S-7BMmhlu5nC4e-Tmf_q407_F78evw3Dc1Z8OgLgEotmXRxrJBVpQ==",
    "25": "Age: 3923",
    "26": "X-FRAME-OPTIONS: SAMEORIGIN",
    "28": "HTTP/1.1 302 Moved Temporarily",
    "29": "Content-Length: 0",
    "30": "Connection: keep-alive",
    "31": "Date: Sat, 08 Aug 2026 09:28:05 GMT",
    "32": "X-Correlation-Id: 628f28c0f2c341bfb20583846eade352",
    "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 34cd96ef254823505173cf04580f73fa.cloudfront.net (CloudFront)",
    "39": "X-Amz-Cf-Pop: SIN3-P4",
    "40": "X-Amz-Cf-Id: ejErIjFBzUBbivEXy9vZH9EOWaS8V0zOdZ5waQi6TYLHianpyPqrgw==",
    "41": "Age: 3928",
    "42": "X-FRAME-OPTIONS: SAMEORIGIN"
}
```


IPv4 HTTPS (port 443)

HTTP Status	0
Connected IP	
Connect Time	0 ms
TTFB	0 ms
Total Time	8002.6 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 0.006967 0.016112
TCP Connect IPv4 → port 443	000 0.000000 0.000000

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
fd7a:115c:a1e0::1136:5807 dev tailscale0 proto kernel metric 256 pref medium
fe80::/64 dev eth0 proto kernel metric 256 pref medium
fe80::/64 dev tailscale0 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
```