

IPv6 Readiness Report

admission.umpsa.edu.my — admission.umpsa.edu.my



Scan to verify

Category: Education • Generated: 13 Jun 2026, 20:23 MYT • Last Checked: 13 Jun 2026, 01:01 MYT • Verification ID: 3786ac56-2e1f-4e77-976c-4458454013c0

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

Audit trail: <https://ipv6.my6.my/audit/3786ac56-2e1f-4e77-976c-4458454013c0>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>20%</p> <p>No IPv6 Support</p>	<p>IPv6-ONLY READINESS</p> <p>Website: X Not Ready</p> <p>DNS: X Not Ready</p> <p>Email: X Not Ready</p>
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<p>IPv4 ADDRESSES</p> <p>103.53.35.72</p>
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Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	University Malaysia Pahang
Country	MY
ASN	AS134107
ASN Name	UMP-AS-AP - University Malaysia Pahang, MY
Network (CIDR)	103.53.32.0/22

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%)				1 / 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	PASS	DNSSEC fully validated.	
5	Reverse DNS (PTR)	FAIL	No PTR record found.	
6	DS Record at Parent	PASS	DS record found at parent zone.	
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%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	103.53.35.72
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 823ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 772ms TTFB.

Audit Trail & Evidence Record

Verification ID	3786ac56-2e1f-4e77-976c-4458454013c0
Domain	admission.umpsa.edu.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:01:51 MYT
Finished	13 Jun 2026, 01:01:57 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/3786ac56-2e1f-4e77-976c-4458454013c0

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	2616c4e8d6dd7ee251027e90b18410be292379c36134056b0408bf6900bf29bb
http_headers	dc5b0aa516f6914826d515dc6c9f9feb402453ac02ca30a8cb44e1ea583586a1
dns_responses	a5d24072b233ee4711cc414c4ade164b3dac09628a914ea0e8a360227b7d3cf7
tls_handshake	3f41304d34cdd7129488a5e8cb813a2460581b1868a154ce943390453438da74
connectivity_log	a8d0ad0b46370e4fb9dd4df673989a9d84aba80e6dc11df7fa0f177848fa9c30
dns_resolution_times	f6748d3b84eb98c806f9726d630288bbc8dd99beb8941cf6c2b18f757c4c5113

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	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	7.85	18.24	7.62	19.25	-0.2
Google	IPv4	29.6	39.11	33.94	40.17	+4.3
Google	IPv6	28.61	30.13	34.53	39.34	+5.9
Cloudflare	IPv4	12.83	25.08	22.59	24.14	+9.8
Cloudflare	IPv6	23.81	37.96	21.81	31	-2

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 32147
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
admission.umpsa.edu.my. 3597 IN CNAME portal03.umpsa.edu.my.
portal03.umpsa.edu.my. 3600 IN A 103.53.35.72
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 10895
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
admission.umpsa.edu.my. 3600 IN CNAME portal03.umpsa.edu.my.

;; AUTHORITY SECTION:
umpsa.edu.my. 297 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026060501 3600 300 2419200 300
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 47830
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
admission.umpsa.edu.my. 3597 IN CNAME portal03.umpsa.edu.my.

;; AUTHORITY SECTION:
umpsa.edu.my. 297 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026060501 3600 300 2419200 300
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 19601
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
admission.umpsa.edu.my. 3597 IN CNAME portal03.umpsa.edu.my.

;; AUTHORITY SECTION:
umpsa.edu.my. 297 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026060501 3600 300 2419200 300
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 51447
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
admission.umpsa.edu.my. 3597 IN CNAME portal03.umpsa.edu.my.

;; AUTHORITY SECTION:
umpsa.edu.my. 297 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026060501 3600 300 2419200 300
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 24433
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

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

```
;; ANSWER SECTION:
admission.umpsa.edu.my. 3597 IN CNAME portal03.umpsa.edu.my.

;; AUTHORITY SECTION:
umpsa.edu.my. 297 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026060501 3600 300 2419200 300
```

RRSIG

```
portal03.umpsa.edu.my.
CNAME 13 4 3600 20260613180141 20260611160141 34260 umpsa.edu.my. cDXWunP/GkYCbKpNPASwA9dyKBInNmeBkEF0h9T5fKTvkKYL0NBiQdu uLiMk7ij7aQ3MAyTkJmR1hJtbSLiow==
```

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 23981
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
admission.umpsa.edu.my. 3600 IN CNAME portal03.umpsa.edu.my.

;; AUTHORITY SECTION:
umpsa.edu.my. 297 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026060501 3600 300 2419200 300
```

DNSSEC_VALIDATION

```
;; resolution failed: ncache nxrrset
; fully validated
admission.umpsa.edu.my. 3600 IN CNAME portal03.umpsa.edu.my.
admission.umpsa.edu.my. 3600 IN RRSIG CNAME 13 4 3600 20260613180141 20260611160141 34260 umpsa.edu.my. cDXWunP/GkYCbKpNPASwA9dyKBInNmeBkEF0h9T5fKTvkKYL0NBiQdu
uLiMk7ij7aQ3MAyTkJmR1hJtbSLiow==
; portal03.umpsa.edu.my. 297 IN \-SOA \-NXRRSET
; umpsa.edu.my. SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026060501 3600 300 2419200 300
; umpsa.edu.my. RRSIG SOA ...
; portal03.umpsa.edu.my. RRSIG NSEC ...
; portal03.umpsa.edu.my. NSEC \000.portal03.umpsa.edu.my. A RRSIG NSEC
```



```
CCsGAQUFBzABhhodHRwOi8vb2NzcC5kaWdpY2VydC5jb20wQAYIKwYBBQUHMAKG
NGh0dHA6Ly9jYWNlcnRzLmRwZ21jZj0LmNvbS9EaWdpQ2VydEdsb2JhbFJvb3RH
Mi5jcnQwQgYDVR0fBDswOTA3oDwgM4YxaHR0cDovL2NybmMuZGlnaWNLcnQy29t
L0RpZ2LDZlZ0R2xvYmFsUm9vdEcyLmNyYDA9BGNVHSAENjA0MAsgCWGSAAGG/WwC
ATAHBGvngQwBATAIBgZngQwBAGewCAYGZ4EMAQICMAgBmeBDAECAzANBgkqhkiG
9w0BAQsFAA0CAQEAKPFwyyiXaZd8dP3A+iZ7U6utzWX9upwGnIrXWk0H7U1MVL+t
wcW1BSAuWdH/SvWgKtiwLa3JLko716f2b4gp/DA/JIS7w7d7kwcsr4drdjPtAFVS
sLme5LnQ89/nD/7d+MS5EHKBCQRfz5eelJjJjs+aWNJXMX43AYGyZm0pGrFmCW3R
bpd0ufovARTFFZkAdl9h6g4U5+LXUZtXMYnhIHUfoym05tS58aI7Dd8KvwwVVo4
chDYABPPTHPbjc1qCmBaZx2vN4Ye5DUys/vZwP9BFohFrH/6j/f3IL16/RZkiMN
JCqVJUzKoZhm1Lesh3S28W2jmdv51b2EQJ8HmA==
-----END CERTIFICATE-----
---
Server certificate
subject=C = MY, ST = Pahang, L = Kuantan, O = Universiti Malaysia Pahang Al Sultan Abdullah, CN = *.umps.edu.my
issuer=C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
---
No client certificate CA names sent
Peer signing digest: SHA512
Peer signature type: RSA
Server Temp Key: ECDH, prime256v1, 256 bits
---
SSL handshake has read 3722 bytes and written 450 bytes
Verification: OK
---
New, TLSv1.2, Cipher is ECDHE-RSA-AES256-GCM-SHA384
Server public key is 2048 bit
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	103.53.35.72
Connect Time	19.92 ms
TTFB	816.33 ms
Total Time	816.42 ms

Response Headers:

```
{
  "0": "HTTP/1.1 302 Found",
  "1": "Date: Fri, 12 Jun 2026 17:01:55 GMT",
  "2": "Server: Apache",
  "3": "Location: https://admission.umpsa.edu.my/",
  "4": "Content-Type: text/html; charset=iso-8859-1",
  "6": "HTTP/1.1 200 OK",
  "7": "Date: Fri, 12 Jun 2026 17:01:55 GMT",
  "8": "Server: Apache",
  "9": "X-Content-Type-Options: nosniff",
  "10": "X-Powered-By: PHP/7.4.33",
  "11": "Set-Cookie: 931274b7a8995548080e7e00cb01aa44=7jmoqasck7f89im5lgnffr835n; path=/; HttpOnly",
  "12": "Expires: Wed, 17 Aug 2005 00:00:00 GMT",
  "13": "Last-Modified: Fri, 12 Jun 2026 17:01:55 GMT",
  "14": "Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
  "15": "Pragma: no-cache",
  "16": "X-FRAME-OPTIONS: SAMEORIGIN",
  "17": "X-XSS-Protection: 1; mode=block",
  "18": "Content-Type: text/html; charset=utf-8"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	103.53.35.72
Connect Time	9.16 ms
TTFB	997.32 ms
Total Time	997.37 ms

Response Headers:

```
[
  "HTTP/1.1 200 OK",
  "Date: Fri, 12 Jun 2026 17:01:56 GMT",
  "Server: Apache",
  "X-Content-Type-Options: nosniff",
  "X-Powered-By: PHP/7.4.33",
  "Set-Cookie: 931274b7a8995548080e7e00cb01aa44=8q43o1lmup5n1nuqqbl3a2u8rp; path=/; HttpOnly",
  "Expires: Wed, 17 Aug 2005 00:00:00 GMT",
  "Last-Modified: Fri, 12 Jun 2026 17:01:56 GMT",
  "Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
  "Pragma: no-cache",
  "X-FRAME-OPTIONS: SAMEORIGIN",
  "X-XSS-Protection: 1; mode=block",
  "Content-Type: text/html; charset=utf-8"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	403 0.009256 0.021167
TCP Connect IPv4 → port 443	200 0.009221 0.797880

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
--------------------------------	---

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
```