

IPv6 Readiness Report

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



Scan to verify

Category: Education • Generated: 04 Jul 2026, 22:31 MYT • Last Checked: 04 Jul 2026, 03:16 MYT • Verification ID: 3c268640-6e21-41c4-ab80-6561f4d5113d

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

Audit trail: <https://ipv6.my6.my/audit/3c268640-6e21-41c4-ab80-6561f4d5113d>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>15%</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%) 2 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	103.53.35.72
2	HTTP over IPv4	FAIL	HTTP is not accessible over IPv4.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 647ms TTFB.

Audit Trail & Evidence Record

Verification ID	3c268640-6e21-41c4-ab80-6561f4d5113d
Domain	admission.umpsa.edu.my
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:16:19 MYT
Finished	04 Jul 2026, 03:16:44 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/3c268640-6e21-41c4-ab80-6561f4d5113d

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	7a76e00bcd0aaf47d42adb9c0c1ac4e07006779ff3f5b7927ec40be775cfdea4
http_headers	702da7542dfd4f4116db7be4b981ecd267478fcb0560fec63ae6194c88c4b9ca
dns_responses	4b4e521852c6da9b81d8d3f5d6909b0c3d4737b08019d4cf16bc63173cf57631
tls_handshake	e5d3e498d2eb9af476049ab5f3cdd4319779842f8081ff7f63faa5f1982bab90
connectivity_log	ed1809ce63fd23d216278cb429d232ef787d031ff27dcc07a84f106779846e19
dns_resolution_times	47d201e43878835806a758a4f9fbc6228462ad655878d77a5a537655c05256f

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	51.2	57.76	36.49	51.25	-14.7
Google	IPv4	41.72	43.85	46.11	50.04	+4.4
Google	IPv6	42.34	43.36	31.76	69.34	-10.6
Cloudflare	IPv4	35.21	37.8	32.79	40.57	-2.4
Cloudflare	IPv6	33.58	43.52	49.61	50.94	+16

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 25537
;; 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. 3590 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: 21996
;; 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. 290 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026062401 3600 300 2419200 300
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 30409
;; 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. 3590 IN CNAME portal03.umpsa.edu.my.

;; AUTHORITY SECTION:
umpsa.edu.my. 290 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026062401 3600 300 2419200 300
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 65264
;; 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. 3590 IN CNAME portal03.umpsa.edu.my.

;; AUTHORITY SECTION:
umpsa.edu.my. 290 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026062401 3600 300 2419200 300
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 12322
;; 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. 3590 IN CNAME portal03.umpsa.edu.my.

;; AUTHORITY SECTION:
umpsa.edu.my. 290 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026062401 3600 300 2419200 300
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 431
;; 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. 3590 IN CNAME portal03.umpsa.edu.my.

;; AUTHORITY SECTION:
umpsa.edu.my. 290 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026062401 3600 300 2419200 300
```

RRSIG

```
portal03.umpsa.edu.my.
CNAME 13 4 3600 20260704201603 20260702181603 26022 umpsa.edu.my. ChL5o5z/33QhH4NEjeg9vT3v5mFJRILEKZWMWPB311DWpacU0zswyi q95JT/gvqUhSUobqd63nFknhYvB0og==
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 26272
;; 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. 290 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026062401 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 20260704201603 20260702181603 26022 umpsa.edu.my. ChL5o5z/33QhH4NEjeg9vT3v5mFJRILEKZWMWPB311DWpacU0zswyi
q95JT/gvqUhSUobqd63nFknhYvB0og==
; portal03.umpsa.edu.my. 290 IN \-SOA; -NXRRSET
; umpsa.edu.my. SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 2026062401 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
```



```

osicfebUTVsvQpmowQTCd5zWS0T0EeAqgJnwQ3DPP3Zr0UxJqyRweg2C/Uaoq2yT
zGJSQnWS+Jr6XL6ysGHLHx+5fwmY6D36g39HaaECAwEAAa0CAYIwggF+MBIGAlUd
EwEB/wQIMAYBAf8CAQAwHQYDVRO0BBYEFHSFgMBmx9833s+9KTeqAx2+7c0XMB8G
A1UdIwQYMBaAFE4iVCAyLebjbuYP+vg5Eu0GF485MA4GA1UdDwEB/wQEAWIBhJAd
BgNVHSUEFjAUBgggRBgEFBQcDAQYIKwYBBQUHAWIwdgYIKwYBBQUHAQEaJBoMCQG
CCsGAQFBzABhhodHRwOi8vb2NzcC5kaWdpY2VydC5jb20wQAYIKwYBBQUHMAKG
NGh0dHA6Ly9jYWNlcnRzLmRpZ2LjZlZ0LmNvbS59EaWdpQ2VydEdsb2JhbFJvb3RH
Mi5jcnQwQgYDVRO0fBDswOTA3oDWgM4YxaHR0cDovL2NybmDMuZGlnaWNLcnQuY29t
L0RqZ2LlDZXJ0R2xvYmFsUm9vdEcyLmNybDA9BgNVHSAENjA0MASGCWCGSAGG/WwC
ATAHBgVngQwBATAIBgZngQwBAGAwEwCAyGZ4EMAQICMAgGBmeBDAECAzANBgkqhkiG
9w0BAQsFAAOCAQEAKPFwyyiXaZd8dP3A+iZ7U6utzWX9upwGnIRXWk0H7U1MVL+t
wcW1BSAuWdH/SvWgKtiwLa3JLko716f2b4gp/DA/JIS7w7d7kwcsr4drdjPtAFVS
sLme5LnQ89/nD/7d+MS5EHKBCQRfz5eelJljs+aWNJXMX43AYGyZm0pGrFmCW3R
bpD0ufovARTFXfZkAdl9h6g4U5+LXUZtXMYnhIHUfoyMo5t558aI7Dd8KvVwV04
chDYABPPTHpbqjclqCmBaZx2vN4Ye5DUys/vZwP9BFohFrH/6j/f3IL16/RZkiMN
JcQvJUzKoZhm1Lesh3S8W2jmdv51b2EQJ8HmA==
-----END CERTIFICATE-----
2 s:C = US, 0 = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
i:C = US, 0 = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Aug 1 12:00:00 2013 GMT; NotAfter: Jan 15 12:00:00 2038 GMT
-----BEGIN CERTIFICATE-----
MIIDjjCCAnagAwIBAgIQAzrx5qcRqaC7KGSxHQn65TANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaWNLcnQwSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNLcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwUm9vdCBH
MjAeFw0xMzA4MDExMjAwMDBaFw0zODAxMTUxMjAwMDBaMGExCzAJBgNVBAYTALVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBjbmMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5j

```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	0
Connected IP	
Connect Time	0 ms
TTFB	0 ms
Total Time	8002.79 ms
Error	Failed to connect to admission.umpsa.edu.my port 80 after 8002 ms: Timeout was reached

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	103.53.35.72
Connect Time	10.18 ms
TTFB	622.59 ms
Total Time	622.63 ms

Response Headers:

```
[
  "HTTP/1.1 200 OK",
  "Date: Fri, 03 Jul 2026 19:16:38 GMT",
  "Server: Apache",
  "X-Content-Type-Options: nosniff",
  "X-Powered-By: PHP/7.4.33",
  "Set-Cookie: 931274b7a8995548080e7e00cb01aa44=1bs9hc9775gi5hjt53c1bop5nu; path=/; HttpOnly",
  "Expires: Wed, 17 Aug 2005 00:00:00 GMT",
  "Last-Modified: Fri, 03 Jul 2026 19:16:39 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	000 0.000000 0.000000
TCP Connect IPv4 → port 443	403 0.013011 0.082825

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  
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
```