

IPv6 Readiness Report

usim.edu.my — usim.edu.my

Category: Education • Generated: 20 Apr 2026, 21:27 MYT • Last Checked: 07 Mar 2026, 01:11 MYT • Verification ID: 4634eb20-9426-461c-bd98-ce30379752d9

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

Audit trail: <https://ipv6.my6.my/audit/4634eb20-9426-461c-bd98-ce30379752d9>

X Non-Compliant MGv6C-1.0	33% Partial Support	IPv6-ONLY READINESS Website: X Not Ready DNS: X Not Ready Email: X Not Ready
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IPv4 ADDRESSES

103.18.93.54

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Universiti Sains Islam Malaysia
Country	MY
ASN	AS132694
ASN Name	USIM-AS-AP Universiti Sains Islam Malaysia, MY
Network (CIDR)	103.18.92.0/22

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	PASS	RRSIG signatures are current and valid.
8	Signing Algorithm	INFO	RSASHA512

Email Services (25%) 3 / 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	DKIM selector found: default_domainkey
7	DMARC Record	FAIL	No DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	103.18.93.54
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 706ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 648ms TTFB.

Audit Trail & Evidence Record

Verification ID	4634eb20-9426-461c-bd98-ce30379752d9
Domain	usim.edu.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:11:17 MYT
Finished	07 Mar 2026, 01:11:45 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/4634eb20-9426-461c-bd98-ce30379752d9

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	1bdd537608c0009fc3e049546d234f58f3cff9fcce99d7b806fe023642437aec
http_headers	4ce6d353f300be9cd778d7e5bf048c3939c4fb542f78e5fb5ac04679bc19e892
dns_responses	da516286fa64ddd361d008fb951b61dd88b834df01fcf870696b8a61202f96f1
tls_handshake	f55022928618a0be95e2092253ef2d2d78af5e129dc005514413239e59e8bd73
connectivity_log	0fc7726435ba86a36c6f27ff6329548b599e8d5bf256069cd3ce4ce909455c94
dns_resolution_times	427b93e13373b38162ff513ec4fcff3ca694022bfc5c976af38c2ed6dc23d177

Test Node Identity

Os	Linux srv1440888 6.8.0-101-generic #101-Ubuntu SMP PREEMPT_DYNAMIC Mon Feb 9 10:15:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.30
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	16.92	16.93	6.19	6.71	-10.7
Google	IPv4	38.11	38.76	24.8	27.46	-13.3
Google	IPv6	25.97	27.98	27.69	45.42	+1.7
Cloudflare	IPv4	8.41	12.04	8.03	23.09	-0.4
Cloudflare	IPv6	8.04	24.03	26.44	27.08	+18.4

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 44536
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
usim.edu.my. 2410 IN A 103.18.93.54
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 15967
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
usim.edu.my. 21600 IN DS 61366 10 2 E596B1D060CBF0AEEA007303866D52E5B8625D0384A467BAB5EC2906 D1104DC6
usim.edu.my. 21600 IN DS 37732 10 2 95C2BFE6F2C68D7443697B3265D91846EB058DFA48EA8A88FDED96F8 92A06EAA
usim.edu.my. 21600 IN DS 61366 10 1 0239B297AC62023C40A930AA0B9773894DAA2D19
usim.edu.my. 21600 IN DS 37732 10 1 6A38D2BCCEEF61CA6BD64648059456F635132D1A
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 21406
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
usim.edu.my. 2713 IN MX 0 usim-edu-my.mail.protection.outlook.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 8115
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
usim.edu.my. 3600 IN NS ns1.usim.edu.my.
usim.edu.my. 3600 IN NS ns3.usim.edu.my.
usim.edu.my. 3600 IN NS ns2.usim.edu.my.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 2805
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
usim.edu.my. 3600 IN TXT "google-gws-recovery-domain-verification=52783326"
usim.edu.my. 3600 IN TXT "google-site-verification=1QoHLZ-mx76Pw5mSV194T0vWL9fvFmCqs50chr8uA2M"
usim.edu.my. 3600 IN TXT "MS=ms93197104"
usim.edu.my. 3600 IN TXT "google-site-verification=nSJ-cqbs4HnrSHgwiJ8R4sIApfWvO0L7_wqyK9P605o"
usim.edu.my. 3600 IN TXT "v=spf1 include:spf.protection.outlook.com -all"
usim.edu.my. 3600 IN TXT "_2sbqmowe4rwcaiy1upneuoqkven7a54"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 11096
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
usim.edu.my. 1800 IN SOA ns2.usim.edu.my. root.usim.edu.my. 2021176932 3600 600 1209600 3600
```

RRSIG

```
ns2.usim.edu.my. root.usim.edu.my. 2021176932 3600 600 1209600 3600
SOA 10 3 3600 20260405084449 20260306074449 28706 usim.edu.my. Ko7GldkX0+76h+avNuDJJSAwkyZ0H7+7kxvJuwHCs3KI1R+JF80wnSLN
xZDaV5t57iJbU9TJKPwEdCHFJzJfjug+Ij8zLGDvR4c9uGTXAqQ57mJP L1Rwn62EV/r9Eg0sPQC+Nf/dhcGYfRBLBBTKVedTiwLmH74z6m00R0r
uXAnCbC1VBvzIvBcPHDWN7CMQq3AqCwVxusixPQF27Bi0XFjffjt4t egSy/AMenHFaIjlv2jT5xwBsaWR6jnjl5EiJtB145ykyAZgWd5qjTUIIn
0U64D069TXbd0VTOHGus7BZKC9/MuyNIhoeFV/ybjmut8GLtm2iQQL8p qTYZhw==
```

DNSKEY

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 33273
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
usim.edu.my. [0][IN]DNSKEY[257 3 10 AwEAAe+IHPaZUFTmh8mXWTngongpPXy0s23ABRe32drjo4Igc+cXoado bn5LjFA7jxKrZ0ZcwIxiRkaWkg/fiZXq81aokZwjnw4uQE0U6wBjtlxz
G98+Pm3PekCL/S/ZfBskerGzRbsarnlke0r5K2102dW6Ez7t/L/IcIp q11RU9XAtfNiJCGZoY3YK3DHFdhzVhYxnJ2enidGDARSAut9+aQBN36
62008fso+xZD0eCDuig+H1L2xdIHivPlcL+9RBpJpYLI/RcBsL7n1L9X uMCnzT1lePoUXsGr4rZm4QxpAlgSgJcHVNkwmHb0XjdZCwrZdt0aKZH sx3jFPQ/zu0=
usim.edu.my. [0][IN]DNSKEY[256 3 10 AwEAAATGPNr9w4EbfeEKEXYSZCA3fnuPcgHgpov5d20aW3VI2BEV7vwZY uEEIyrrG1vfdpWbLLYZGs0nLdw0DYz1DSg2p09bn5EmKwKUPf+pSPUAS
dryuDdwnnnD4+07naCHEw/7G5JY7Q63EjtnQbwDEKGF+gKPOioSukJ0 iwksafY0XV35iTHDPY8waFoRj83am/C50j5bfdVRxC5MCdcnGW4WU4zA
lxYYfsYvgrv5zaxLtl2Jq/WHVBqSy0+WsQVt0po2zz3uAvnnYz12tKJD ENGmlx/33zGLIYmPpdnc/M9te9FkFcvhyF7mymLNOWREGz45VwZaM4Wb D0/9U0qUCpk=
usim.edu.my. [0][IN]DNSKEY[257 3 10 AwEAAADTCzcWpBk7Bm2wCnGAu56XaFLZ0N5y1nwqF79RBxYst0Q0W1g6 rgLN8SuVt7buuCWve0JOZBEGSp8nq6Iaz+8ui9RR6kiH00zCZ3ZTR3
2ZiiSuMe5+YrUan7Wr8sqA7WfPjgl4JRJ3ZTo73eD4QPEJfGB1QYmrW 9IaWqEssas0trQfIobkUmGU6VE2Zg1atyRnyJgKFnSVZhd9ReUE5Wyl
V4l1VcmLgc7ScVccldy8g7uR0bCRRNct0qqFg4kDkM4mVgUvU0wbIR nZqfzMYYSx+t6LA642InceWdvCvxhdIFTgaSxMImtvSKHsXpFMjhJQVI MnFGShxMmXE=
usim.edu.my. [0][IN]DNSKEY[256 3 10 AwEAAe4gjm4esVIJiZd8KCsxkSjZ8No69WwV5QR+zMQch7Xxw7ZX0FIJ azcpHbmMfjLBIbe8/C7k05gyFK9pLXruNrJUHkxTQgpnUCnD4t99LSyC
Bv8+bBW9esQ0BJX+wtcY3llsBqphXNfVz5Wmz4iJA/KliFtDz2L9EQ15 t0A8iGipL9T6gP8L4WM/Rq3K4o5bZ7/PfXA7i6ewWZiigL5s75/0bIKk
EdDzXj6X3F10BkD6c0eE3/0DMZkxyPNo8C3YQ6cBN8qbBz9pIcdd/X11 FjiSNzL76+LYeNYAXZ37HmevX0tPMs5LwkFH5ITnDXJEQ2XSA1/LhJy 8bPpWi/b0/0=
usim.edu.my. [0][IN]DNSKEY[256 3 10 AwEAAc7durStfCK00Cu0XoqMktPvYeqw0g8Re0IT3YiSxgqHBJC2jv2 2SvI7RMQ7mhdN575C9KZ/LDK3qXgTziKi9UCzKdZtIIE3HgZUFdR07i
UGcEz5jGmAQjYyIo34A3P5Yz14fDB9+08EuTp0EKVOWP2LSfGrFG0Cg XiyaW+67ft1BHgf03zRcEPJh9E2HwmUIhXt71RD3uJSDYmqy0ueGMZx
mjIINPdsAJYf15EfnAwe1qxysSQzi0zG1SXiSGc2LAp6/RdMHVMAVRUE c2xLpZx5R9TVTUE0iCG2x5j8LbudUPARVhWxeTyvgrwnzxpT7tkKtd8 BR6HqhWS410=
usim.edu.my. [0][IN]DNSKEY[256 3 10 AwEAAAdGz/eYEUHDkx/wQzEjUf+ewP4g1lx01cSWEJ0tYNC5DiXc22T nz0mK4uP3128TSCCzE04MM6S2XLWoIMSFtrpmxHwtgTXBrEBTXt+9wR
Sj6WxH0G13czmmVIREb0M5d+0C7rjBhLY39WIXdKHc2bpLqMEDHdq 9eEHVACPe/S6SDgMZtXhFtjZCg2aJ51tyyqg0NW3N960HF8HI/EEvH/
PjJa7M/q+c5Z1+HZNjyQ0vetQcxcau+i0VRBDmtg931957iZi3u6gR6 A5XMoVhDRqkSPdd/jTJxuo0MxiPuMM0jXD2uMdnBi0w6yUo8yBrSmGsc XwtKkBW55E0=
```

DNSSEC_VALIDATION

```
; fully validated
usim.edu.my. [0][3600][IN]SOA[ns2.usim.edu.my. root.usim.edu.my. 2021176932 3600 600 1209600 3600
usim.edu.my. [0][3600][IN]RRSIG[SOA 10 3 3600 20260405084449 20260306074449 28706 usim.edu.my. Ko7GldkX0+76h+avNuDJJSAwkyZ0H7+7kxvJuwHCs3KI1R+JF80wnSLN
xZDaV5t57iJbU9TJKPwEdCHFJzJfjug+Ij8zLGDvR4c9uGTXAqQ57mJP L1Rwn62EV/r9Eg0sPQC+Nf/dhcGYfRBLBBTKVedTiwLmH74z6m00R0r
uXAnCbC1VBvzIvBcPHDWN7CMQq3AqCwVxusixPQF27Bi0XFjffjt4t egSy/AMenHFaIjlv2jT5xwBsaWR6jnjl5EiJtB145ykyAZgWd5qjTUIIn
0U64D069TXbd0VTOHGus7BZKC9/MuyNIhoeFV/ybjmut8GLtm2iQQL8p qTYZhw==
```


TLS Handshake Evidence

IPV4 Connection

IP Used	103.18.93.54
IP Version	4

```

depth=2 C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
verify return:1
depth=1 C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
verify return:1
depth=0 C = MY, ST = Negeri Sembilan, O = UNIVERSITI SAINS ISLAM MALAYSIA, CN = *.usim.edu.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
0 s:C = MY, ST = Negeri Sembilan, O = UNIVERSITI SAINS ISLAM MALAYSIA, CN = *.usim.edu.my
i:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Aug 13 00:00:00 2025 GMT; NotAfter: Sep 12 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIHKTCCBZGgAwIBAgIQ0F6lt/4grbplctLZCJaQtANBqkqkiG9w0BAQsFADBg
MQswCQYDVQQGEwJH0jEYMBYGA1UEChMPU2VjdGlnbyBMaWlpdGVkMTcwNQYDVQ0E
Ey5TZWN0aWdvIFB1YmxyYyBTZXJ2ZXIgaGVudG9wVudG9wVudG9wVudG9wVudG9w
MB4XDTI1MDg0MzAwMDAwMjE1e7xG0fxI7PjQR+P/biX7ITV+txEyRNgB
GDAMBGNVBAgTD05LZ2VyaSBTZWliaWxbjEoMCMYGA1UEChMFVU5JVKVU0LUSSBT
QUl0UyBjU0x0BTSBNQxwBWNJQTEWMBQGA1UEAwNK15lc2ltLmVkdS5teTCCASIW
DQYKoZiHvcNAQEBAQAgEPADCCAQCgEBAEMFvyMhkvi4Xv3Y6hCCIX0jSCFT
o7WPR1zr0AnHGACrFq7iYAvZoNYcG0dsw6fs/x8Cis6oPNHF68HY1zGfsu5m/99y
izdhA9njKa3iluwKtVT01A76zwrHuSxLjFUWQbWKh1NWW1IjzBcWxQLiUhfKJpf
MAcpNJD6tzx8eoAm+Y0XSZyVPAqRy4/s2oAd1NIP+1wWYyL0N2GQ9MK9P93V8yV
zXx8iDUS/zTI+w+Nkr3uopMMYUQN4I1e7xG0fxI7PjQR+P/biX7ITV+txEyRNgB
45QP6eeFI7oZedeZTrrYK6TpMfV0wvRaY69PGiHNs/5cmQSpbcCu4D8KCAwEA
Aa0CA1QwggNOMB8GA1UdIwQYMBaAF0NmdLtwAI0sXU40pkPmzcInIKSMB0GA1Ud
DgQWBBSVRPQsWpam43RK5YzS1yArhhFYNDa0BgNVHQ8BAf8EBAMCBaAwDAYDR0T
AQH/BAIwADADBgNVHSEUFEJfAUBGgrBgEFBQcDAQYIKwYBBQUHAWIwSgYDVROgBEW
QTA1BgwrBgEEAbIxAQIBAwQJTAjBggrBgEFBQ0CARYXaHR0cHM6Ly9zZWNoaWdv
LmNvbS5DUFMwCAYGZ4EMAQICMFQGA1UdHwRNMESwSaBHoEwGQ2h0dHA6Ly9jcmw
c2VjdGlnby5jb20vU2VjdGlnb1B1YmxyY1NlcnZlckFidGlnb3R5Y2F0aW9uQ0F
VLIzNi5jcmwvYQGCCsGAQUFBwEBBHGwdjBPPBgrBgEFBQcAwAoZDAHR0cDovL2Ny
dC5zZWNoaWdvLmNvbS59TZWN0aWdvUHVi6G1jU2VydmlVYXV0aGVudG9wVudG9w
QU9WUjM2LmNydDAjBggrBgEFBQcwAYYXaHR0cDovL29j3Auc2VjdGlnby5jb20v
J0YDR0RB4wHIINKi51c2ltLmVkdS5teYlLdXNpbS5LZHUubXkwgGf/BgorBgEE
AdZ5AgQCIIBwSCAwwBaQB2ANgJVTuT3r/yBYZb5SRPauw+Pxeh1UmDxxRLNk7
RUsUAAABmKkTRsAAQAQAEcwRQIhAIIs1xW5UuagexrE4iVHLfzIXDycCrIRmF3Fw
wD9+or4ZaiAw/sz2aaAFPoatiTukvLEeNHwjMLzILiRuWLCJ53sjsG2AKyrMHBS
6+yEMFQTOsRXXeQ1RdsfKmjE88KzUnHGLDAAABmKkTRz0AAQAQAEcwRQIhALAI
AQU0Fg/2y/2d40oD+6LSU81WC075CDVmwvhmjTAiB9jkz26bZ7+Yn0b4n2vcnu
m6tCz2D10bYB1XCZetYPbgB3ANdtfRDRp/V3wsfpX9cAv/mCyTNaZeHQswFzF8DI
xML3AAABmKkTRyoAAQAQAEgwRgIhAPyk0YRH+oUamEXX6v1YEQjG13rNSWkkadPZ
Xli14qCCAEiAysLJAyVGFMrAnUKR09TLBwMh+E0WE3w+fxtkGrx1d8wDQYK0ZI
hvcNAQELBQADggGBACT0y60dZavgKGP88HV9IXBR0m61604FWk+7ChP5W/vXhQU
btWSEUCG7K3N140da0NdXgV30xIMY1L395DThfUHQ6o/TKUs90mzAKUzY0h4xsG
56j9v3G3LnSKaYPO89A5UK60HUd8TxYJtnYGTshUmtoouU894Ee/L1gbheiw22tm
pdCp6aTh/EYA+rcXjXgS0H0IwbwgaJUNUGZxRVR0ERi3d//kxhvKwfd0kL/utj
4MwLmXQpNvSEYI8x70pJX2ftbCyFN3Z0mLP7Wv0pvs23Z2+LjLAj0R8JGy
q46b+OVLMy0m+jfR/7YAQZmIqbs5Nc4DwQWhdsr8hrAU0FTCFvNSLWEShagxEJC06
bhxtTH+eCtNerqKiZdVd/Xup+XXndG6dm4HXBIAC3HLAV3l0w+8G9vzMQkdWgS
IjLmoF66L5S7oEwX1DoqXPe5oNtKoB7EmpEut5fjmwC70b71TuzdZj6GQMeyBD5k
SDVZdSpfV2WFbiYwIw==
-----END CERTIFICATE-----
1 s:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
i:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
a:PKKEY: rsaEncryption, 3072 (bit); sigalg: RSA-SHA384
v:NotBefore: Mar 22 00:00:00 2021 GMT; NotAfter: Mar 21 23:59:59 2036 GMT
-----BEGIN CERTIFICATE-----
MIIGTDCBDSgAwIBAgIQLBo8duLD3d3/GRsxiQrtcANBqkqkiG9w0BAQwFADBf
MQswCQYDVQQGEwJH0jEYMBYGA1UEChMPU2VjdGlnbyBMaWlpdGVkMTYwNAZDVQ0E
Ey1TZWN0aWdvIFB1YmxyYyBTZXJ2ZXIgaGVudG9wVudG9wVudG9wVudG9wVudG9w
HhcNMjE1MDg0MzAwMDAwMjE1e7xG0fxI7PjQR+P/biX7ITV+txEyRNgB
YyBTZXJ2ZXIgaGVudG9wVudG9wVudG9wVudG9wVudG9wVudG9wVudG9wVudG9w
AQEFAA0CAY8AMIIBigKAYEApkMtj3R06j0o0fceI0MS2B7K+TyMeGcv2B05AVc3j
lyt76vHIu/nNe22W/RJXX9rWUD/2GE6GF5x0V4bsY7K3IEJ8E7+KzG/TGboySfD
u+F52jq0BbY62ofhYjMeiAbLI02+FqwHeM8uIrUtcX8b2RCx3F58TB0NHVccAXZC
FYgZndZCeXxjua7PjJ20LLUnXtcXcjAE1Y4WvBReW0W6mkeZyNGdmpTcFs5Y+s
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```

```

044CV98NRsU213f1kScIZntNagMBAAGjggGBMIIBFTAfBgNVHSMGDAWgBRWc1hk
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58uB9/7Lud0G3x0pxQAcffP0ayKavNwDTw4UfJ34cEw=
-----END CERTIFICATE-----
2 s:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
i:C = GB, ST = Greater Manchester, L = Salford, O = Comodo CA Limited, CN = AAA Certificate Services
a:PKKEY: rsaEncryption, 4096 (bit); sigalg: RSA-SHA384
v:NotBefore: Mar 22 00:00:00 2021 GMT; NotAfter: Dec 31 23:59:59 2028 GMT
-----BEGIN CERTIFICATE-----
MIIFeTCCBGgAwIBAgIRA0N8oulwhj0cLz+w7TYP+QowDQYJKoZIhvcNAQEMBQAw

```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	103.18.93.54
Connect Time	7.17 ms
TTFB	724.99 ms
Total Time	725.08 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 06 Mar 2026 09:09:13 GMT",
  "2": "Server: Apache",
  "3": "X-Redirect-By: WordPress",
  "4": "Location: https://www.usim.edu.my/",
  "5": "Cache-Control: max-age=0",
  "6": "Expires: Fri, 06 Mar 2026 09:09:13 GMT",
  "7": "Vary: Accept-Encoding",
  "8": "Content-Type: text/html; charset=UTF-8",
  "10": "HTTP/1.1 200 OK",
  "11": "Date: Fri, 06 Mar 2026 09:09:13 GMT",
  "12": "Server: Apache",
  "13": "Last-Modified: Fri, 06 Mar 2026 08:17:13 GMT",
  "14": "Cache-Control: max-age=0",
  "15": "Expires: Fri, 06 Mar 2026 09:09:13 GMT",
  "16": "Vary: Accept-Encoding",
  "17": "Content-Type: text/html; charset=UTF-8"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	103.18.93.54
Connect Time	6.63 ms
TTFB	630.72 ms
Total Time	630.78 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 06 Mar 2026 09:09:14 GMT",
  "2": "Server: Apache",
  "3": "X-Redirect-By: WordPress",
  "4": "Location: https://www.usim.edu.my/",
  "5": "Cache-Control: max-age=0",
  "6": "Expires: Fri, 06 Mar 2026 09:09:14 GMT",
  "7": "Vary: Accept-Encoding",
  "8": "Content-Type: text/html; charset=UTF-8",
  "10": "HTTP/1.1 200 OK",
  "11": "Date: Fri, 06 Mar 2026 09:09:15 GMT",
  "12": "Server: Apache",
  "13": "Last-Modified: Fri, 06 Mar 2026 08:17:13 GMT",
  "14": "Cache-Control: max-age=0",
  "15": "Expires: Fri, 06 Mar 2026 09:09:15 GMT",
  "16": "Vary: Accept-Encoding",
  "17": "Content-Type: text/html; charset=UTF-8"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.003386 0.671020
TCP Connect IPv4 → port 443	301 0.003389 0.714847

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
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142
```