

IPv6 Readiness Report

usim.edu.my — usim.edu.my



Scan to verify

Category: Education • Generated: 13 Jun 2026, 19:52 MYT • Last Checked: 13 Jun 2026, 01:01 MYT • Verification ID: 9ac086ec-cc2c-4dc9-a973-57e7617c1d09

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

Audit trail: <https://ipv6.my6.my/audit/9ac086ec-cc2c-4dc9-a973-57e7617c1d09>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>37%</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>
--	---	--

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.	

#	CHECK	RESULT	DETAIL
8	Signing Algorithm	INFO	RSASHA512

Email Services (25%) 4 / 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	PASS	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 — 736ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 704ms TTFB.

Audit Trail & Evidence Record

Verification ID	9ac086ec-cc2c-4dc9-a973-57e7617c1d09
Domain	usim.edu.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:00:45 MYT
Finished	13 Jun 2026, 01:01:14 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/9ac086ec-cc2c-4dc9-a973-57e7617c1d09

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	df5e260c6a80bfa1b9efc7fd9faf6d753684294cdbcc76116b0424a9ee4497f9
http_headers	86c8f8be86ed3922fde78032bc2d1a65de49d654d1446b6689c2139a33334092
dns_responses	4a77760b5f3308170f965859649218840ab2f3ce474f9a2f3f541ac7020b8850
tls_handshake	f55022928618a0be95e2092253ef2d2d78af5e129dc005514413239e59e8bd73
connectivity_log	ba54f5efcbcf75ebc843c22d866daebd9a548515e5435778be3d53e4870d539e
dns_resolution_times	9ce3b9e048e856ca5a8eaf79905149b0b0ead03149c07ada003342a4ab320d11

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	7.89	9.22	19.28	20.52	+11.4
Google	IPv4	29.81	43.23	23.04	29.58	-6.8
Google	IPv6	30.9	42.25	59.91	67.4	+29
Cloudflare	IPv4	10.13	21.4	9.4	9.76	-0.7
Cloudflare	IPv6	21.05	40.28	24.34	38.22	+3.3

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63773
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
usim.edu.my. 3600 IN A 103.18.93.54
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 31395
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
usim.edu.my. 86373 IN DS 61366 10 2 E596B1D060CBF0AEEA007303866D52E5B8625D0384A467BAB5EC2906 D1104DC6
usim.edu.my. 86373 IN DS 37732 10 1 6A38D2BCCEEF61CA6BD64648059456F635132D1A
usim.edu.my. 86373 IN DS 37732 10 2 95C2BFE6F2C68D7443697B3265D91846EB058DFA48EA8A88FDED96F8 92A06EAA
usim.edu.my. 86373 IN DS 61366 10 1 0239B297AC62023C40A930AA0B9773894DAA2D19
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 24392
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
usim.edu.my. 3600 IN MX 0 usim-edu-my.mail.protection.outlook.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 52194
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 3

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
usim.edu.my. 3600 IN NS ns2.usim.edu.my.
usim.edu.my. 3600 IN NS ns3.usim.edu.my.
usim.edu.my. 3600 IN NS ns1.usim.edu.my.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 58280
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
usim.edu.my. 3600 IN TXT "google-gws-recovery-domain-verification=52783326"
usim.edu.my. 3600 IN TXT "MS=ms93197104"
usim.edu.my. 3600 IN TXT "_2sbqmowe4rwcaiyilupneuqokven7a54"
usim.edu.my. 3600 IN TXT "google-site-verification=1QoHLZ-mx76Pw5mSV194T0vWL9fvFmCqs50chr8uA2M"
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"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 61610
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
usim.edu.my. 3573 IN SOA ns1.usim.edu.my. root.usim.edu.my. 2021180792 3600 600 1209600 3600
```

RRSIG

```
ns2.usim.edu.my. root.usim.edu.my. 2021180792 3600 600 1209600 3600
SOA 10 3 3600 20260712161125 20260612151125 28706 usim.edu.my. qPleDwgKkKfHb4lWSP/VooEkxh81VeqILeEqEhuyv0/vb0/cIQTKeoe0t
oeY88MLiGw9PubIeooGH+pSE2LcLCEAAobCusNnYkLaILn44EsLw3 zu9+p+A+um5xqUq19H6FgSagnVCTAqV2Jk6F011ZhGd2dqfXlkWIR+Vi
pLhUq2pasc84047xRatDznmEqHjXsbjuSiUE0R3uVq9x45aqnCMOGsd RDWOb++yb8ERQHPY7vIpbWBS/frEeyewsc4nm3Bn3u7xt+amJgZHMkTO
pVTR7KIXTp0zNGC8vG9TgWhWjYHa85whkKmr6lfnFRxyE4r88E69JTS TWEKZA==
```

DNSKEY

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 3501
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
usim.edu.my. [3573]IN[DNSKEY]256 3 10 AwEAAAGz/eYEUHDKx/wQzEjuF+ewP4glx001cSWEJ0tYNC5DiXc22T nz0mK4uP3128TsCCzEzEQ4MM6S2XLwoIMSFtrpmxHwtgTX8rEBTXt+9wR
S36WxH0GL3czmmVIREb0M5d+0C7rjBhLY39WIX7dKHc2bpLqLMEHDdqB 9eEhVACPe/S65DgMZtxhFtjoZCg2aJS1tyyqq0NW3N960HF8HI/EEvH/
PjJa7M/q+c5Z1+HZNjyQVetQcxcaU+i0VRBDbmtg931957iZI3u6gR6 A5XMoVHDRqkSPdd/jTJxuooMXipuMM0jXD2uMdnBi0w6yUo8yBrSMgsc XWtKkBW55E0=
usim.edu.my. [3573]IN[DNSKEY]256 3 10 AwEAAE4gjm4esVIJiZd8KCsxkS1Z8No69WwV50r+zMQch7Xxw7ZX0FIJ azcpHbmMfjLBiBe8/C7k05gyFK9pLXruNrJUHkxTQgpnUCnD4t99LSyC
Bv8+bBw9esQ0BJX+wtcY3LLsBqphXNfVz5Wmz4iJA/KliFtDz2L9EQl5 t0A8iGipL9T6gP8L4WM/Rq3K4o5bZ7/PfXA7i6ewWZiigL5s75/0bIKk
EdDzj6X3F10BkD6c0eE3/0DMZkxyPNo8C3Y06cBN8qbZ9pIcdd/X11 FjiSNzL76+LYyeNYAXZ37HmevX0tPMs5LwkFH5ITnDXJEQ2XSA1/LhJy 8bPpWi/b0/0=
usim.edu.my. [3573]IN[DNSKEY]257 3 10 AwEAAATCzcwPbLk7Bm2wCnGAuS6XafLZON5y1nwgF79RBxYst0Q0W1g6 rgLN8SuVt7buuCWVe0J0ZBE6G5p8nq6Iaz+8uii9RR6kiH0D0zCZ3ZTR3
2ZiisUme5+YrUan7Wr8sqA7WfPjGL4JR3ZTo73eD4QPEjFGB1QYmrW 9IawQEssas0trQfIobkUmGU6vE2ZzglatyRnyJgKFnSVZhd9ReUE5Wyl
V4l1VcmLgc7ScVccldy8g7uRObCRRNct0qFuq4kDkM4mVmguvU0wbIR nZqfzMYysx+t6LA642InceWdvCvxhdIFTgaSxMImtvSKHsXpFMjhJQVI MnFGShxMmXE=
usim.edu.my. [3573]IN[DNSKEY]257 3 10 AwEAAE+IHPaZUFtmh8mXWtngongpPY0s23ABRe32drjo4IgcCxoado bN5lJFA7jxKrZ0ZcwiRkaWkg/fiZxq81aokZwjnw4uQEUQ6wBjtlxz
G98+Pm3PkeckL/S/ZfBskerGzRbsarnlke0r5K2L02dW6Ez7t/l/IcIp q11RU9XAtfNiJCGZoY3YK3DHFhdzVhYxnJ2enidGDARSAut9+aQBN36
62008fso+xZD0eCDuiG+H1L2xdIHlVPLcL+9RbPjYLI/RcBsL7n1L9X uMCnzT1LePoUXsGr4rZRm40xpAlgSgJcHVNKwmHb0XjdZCwrZdt0AKZH sx3jFPQ/zu0=
usim.edu.my. [3573]IN[DNSKEY]256 3 10 AwEAAaTGNr9w4EbFEKXEYSZCA3fnuPcgHogPov5d20aw3VI2BEV7vwZY uEEIyyrG1vfdpWBlLYZGs0nLDwODYz1D5G2p09bN5EmKwKUPf+pSPUAS
dryuDwnnd4+07naCHEw/7G5JY7Q63vEjtnQbwDEKf+gKP0ioSukJ0 iwksafY0XV3SiTHDPY8waFoR383am/C50j5bfdVRxC5MCdcnGW4WU4ZA
lxYyfsYvgrv5zaxLtl2Jq/WHVBqSy0+WsQVt0p0z2z3uAVnnYz12tKJD ENGm1x/33zGLIYmPpdnc/M9te9FkFcvhyF7mymLN0WREGz45VwZaM4Wb D0/9UQUcCpk=
usim.edu.my. [3573]IN[DNSKEY]256 3 10 AwEAAc7durStfCK00Cu0xoqMktpYvYeqw0g8Re0IT3YiSxgqHBjC2jV2 2SvI7RMQ7mhdN575C9KZ/LDK3qXgTziKi9UCzdKsT1Ie3HzgUfDR07i
UGcEz5jGmAQjYyIo34A3P5yZi4fDB9+08EUtp0EKVOWP2LSsfgRfG0Cg XiYhaW+67ft1BHgf03zRcEPjh9E2HwmUIhXt71RD3uJSDYmqy0ueGMZx
mjIINPdsAJYf15EfNawE1qxysQz0zG1SXiS6c2LAp6/RdMhVmAVRUE c2xLpZ5R9TVtUE0iCG2x5j8LbudUpARvHwXeTyvgrwnzxpT7tkktD8 BR6HqhW5410=
```

DNSSEC_VALIDATION

```
; fully validated
usim.edu.my. [3573]IN[SOA]ns2.usim.edu.my. root.usim.edu.my. 2021180792 3600 600 1209600 3600
usim.edu.my. [3573]IN[RRSIG]SOA 10 3 3600 20260712161125 20260612151125 28706 usim.edu.my. qPleDwgKkKfHb4lWSP/VooEkxh81VeqILeEqEhuyv0/vb0/cIQTKeoe0t
oeY88MLiGw9PubIeooGH+pSE2LcLCEAAobCusNnYkLaILn44EsLw3 zu9+p+A+um5xqUq19H6FgSagnVCTAqV2Jk6F011ZhGd2dqfXlkWIR+Vi
pLhUq2pasc84047xRatDznmEqHjXsbjuSiUE0R3uVq9x45aqnCMOGsd RDWOb++yb8ERQHPY7vIpbWBS/frEeyewsc4nm3Bn3u7xt+amJgZHMkTO
pVTR7KIXTp0zNGC8vG9TgWhWjYHa85whkKmr6lfnFRxyE4r88E69JTS TWEKZA==
```


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/4grbpcltLZCJaQtANBqkqkiG9w0BAQsFADBg
MQswCQYDVQQGEwJH0jEYMBYGA1UEChMPU2VjdGlnbyBMaWlpdGVkMTcwNQYDVQ0E
Ey5TZWN0aWdvIFB1YmxyYyBTZXJ2ZXIgdG9wVudG1jYXRpb24gOEGT1YgUjMj
MB4XDTI1MDgxMzAwMDAwMFoXDTE1MDkxMjIzNTk1OVowTELMkGA1UEBHMCTVxk
GDAWBgNVBAGTD05LZ2VyaSB7ZWliaWxhbWVhEOMCYGA1UEChMFVU5JVKVU0LUSSBT
QUl0UyBjU0x0BTSBNQxwBWNJQTEWMBQGA1UEAwNKi5lc2ltLmVkdS5teTCCASIW
DQYzKoZiHvcNAQEBAQADgGEPADCCAQoCggEBAMEFvyMhkvi4Xv3Y6hCCIX0jSCTF
o7WPR1zr0AnHGACrFq7iYAvZoNYcG0dsw6fs/x8Cis6oPNHF68HY1zGfsu5m/99y
izdhA9njKa3iluwKtVT01A76zwrHuSxLjFUWgQbwKh1NwW1IjzBcWxQLiUhfKJpf
MAcpNJD6tzx8eoAm+Y0XSZyVPAqRy4/s2oAd1NIP+1wWYyL0N2GQ9MK9P93V8yV
zXx8iDUS/zTI+w+Nkr3uopMMYUQN4I1e7xG0fxI7PjQR+P/biX71TV+txEYRNgB
45QP6eeFI7oZedeZTrrYK6TpMfV0wvRaY69PGiHNs/5cmQSpbcdCu4D8KCAwEA
Aa0CA1QwggNQMB8GA1UdIwQYMBaAF0NmdLtwai0sXU40pkPmzcinIKSMB0GA1Ud
DgQWBBSVRPQsWpam43RK5YzslYArhhFYNDa0BgNVHQ8BAf8EBAMCBaAwDAYDR0T
AQH/BAIwADADBgNVHSEUFEJyAUBgggrBgEFBQcDAQYIKwYBBQUHAWIwSgYDVROgBEW
QTA1BgwrBgEEAbIxAQIBAwQJTAjBgggrBgEFBQcCARYXaHR0cHM6Ly9zZWNoaWdv
LmNvbS9DUFMwCAYGZ4EMAQICMFQGA1UdHwRNMESwSaBHoEwGQ2h0dHA6Ly9jcmwu
c2VjdGlnby5jb20vU2VjdGlnb1B1YmxyY1NlcnZlckFidGlnbWVudG1jYXRpb25D
VlIzNi5jcmwvYQGCCsGAQUFBwEBBHGwdjBPPBgggrBgEFBQcCAwZDHR0cDovL2Ny
dC5zZWNoaWdvLmNvbS9TZWN0aWdvUHVi6G1jU2VydmlvYXV0aGVudG1jYXRpb25D
QU9WUjM2LmNydDAjBgggrBgEFBQcCAyYXaHR0cDovL29j3Auc2VjdGlnby5jb20v
J0YDR0RBBAwHIINKi51c2ltLmVkdS5teYlLdXNpbS5LZHUubXkwgGf/BgorBgEE
AdZ5AgQCIIBwSCAAsBaQB2ANgJVtuT3r/yBYZb5SRPauw+Pxeh1UmDxxRLNk7
RUsUAAABmKkTRsAAQAQAEcwRQIhAIslxW5UuagexrE4iVHLfzIXDyCcrIRmF3Fw
wD9+or4ZaiAw/sz2aaAFPoatiTukvlEeNHwjMLzILiRuWLCJ53sjsB2AKyrMHBS
6+yEMFQTOVRXsEeQ1RdsfKmjE88KzunHGLDAAABmKkTRz0AAQAQAEcwRQIhALAI
AQU0Fg/2y/2d40oD+6LSU81WC075CDVmwvhmjTAiB9jkz26bZ7+Yn0b4n2vcnu
m6tCz2D10bYB1XCZetYPbgB3ANdtrFRRp/V3wsfpX9cAv/mCyTNaZeHQswFzF8DI
xML3AAABmKkTRyoAAQAQAEgwRgIhAPyk0YRH+oUamEXX6v1YEQjG13rNSWkkadPZ
Xli14qCCAEiAysLJAyVGFMrAnUKR09TLBwMh+E0WE3w+fxtkGrx1d8wDQYJKoZI
hvcNAQELBQADggGAACT0y60dZavgKGP88HV9IXBR0m61604FWk+7ChP5W/vXhQU
btWSEUCG7K3N140da0NdXgV30xIMY1L395DThfUHQ6o/TKUs90mzAKUzY0h4xsG
56j9v3G3LnSkayP089A5UK60HUd8TxYJtnYGTshUmtoouU894Ee/L1gbheiw22tm
pdCP6aTh/EYAs+rcXjXgS0H0IwbwgaJUNUGZxRVR0ERi3d//kxhvKwfd0kL/utj
4MwLmXQpVnsEYI8x70pJX2ftbCyFN3Z0mLP7Wv0pVvs23Z2+LjLAj0R8JYq
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
Ey1TZWN0aWdvIFB1YmxyYyBTZXJ2ZXIgdG9wVudG1jYXRpb24gUm9vdCBSNDYw
HhcNMjE1MDAwMDAwMDAwMFoXDTE1MDkxMjIzNTk1OVowTELMkGA1UEBHMCTVxk
GDAWBgNVBAGTD05LZ2VyaSB7ZWliaWxhbWVhEOMCYGA1UEChMFVU5JVKVU0LUSSBT
AQEFAA0CAY8AMIIBigKAYEApkMtj3R06j0f0fce0M52B7K+TyMeGcv2B05AVc3j
lyt76tVHIu/nNe22W/RJXX9rWUD/2GE6GF5x0V4bsY7K3IEJ8E7+KzG/TGboySfD
u+F52jq0BbY62ofhYjMeiAbLI02+FqwHeM8uIrUtcX8b2RCx3F58TB0NHVccAXZC
FYgZndZCeXxjua7PjJ20LLUnXtcXcjAE1Y4WvBReW0W6mkeZyNGdmpTfCs5Y+s
yy6Lte5Zocj9J9NlnNreox2RWVYExpA1ChZ4gqN+ZpVSIQ0HborVfBkYhdZyEx
gZgNSntBRwxqIzJePjHyd4Zuh01vk+/uP3nwdk0p95q/j7naXNCsVesNrhPypaB
WRK066kKfPRPi9m9kI0hMdYfS8giFRTcdg24Yc1lj7ecAK9Trh0VbjwouJ4WH+x
bt47u68ZFD/ac55I0DNHkCpaPruj6e9Rmr7K46wZDAYXuEaqB7tGG/jd6JAA+H2

```

```

044CV98NRsU213f1kScIZntNagMBAAGjggGBMIIBFTAfBgNVHSMGDAWgBRWc1hk
LfmsGrASKgRieaFAFYghSTAdBgNVH04EFgQU42Z0u3Boj5xdTg6mSo+bnYKcgpIw
DgYDVR0PAQH/BAQDAgGGMBIGAIUdEwEB/wQIMAYBAf8CAQAwHQYDVR0LBBYwFAYI
KwYBBQUHAWEGCCsGAQUFBwMCMBSGA1UdIAQUMBIAwBgYEVR0gADAIbgZngQwBAGIw
VAYDVR0fBE0wSzBjOeEgRYZDaHR0cDovL2NybzC5zZWNoawdvLmNvbS9TZWNoawdv
UHVibGljU2VydmlVY0XV0aGVudGljYXRpb255b290UjQ2LmNybDcBhAYIKwYBBQUH
AQEEeDB2ME8GCCsGAQUFBzAChkNodHRwOi8vY3J0LnNlY3RlZ28uY29tL1NlY3Rl
Z290dWJsaWNTZXJ2ZXJBdXR0ZW50aWNoZGlvdjV3b3RSNDYucDdjMCMGCCsGAQUF
BzABhdodHRwOi8vb2NzcC5zZWNoawdvLmNvbTANBgkqhkiG9w0BAQwFAAOCAGEA
BZXWDHWC3cubb/e1I1kz181PFiK/ZUoH09ufmV0rc50bYH/XKkKWexSPqRkwKFKr
7r80uG+p7VNB8rifX6uopqKAgsvZtZs7iAFw04To6vNcxeBt1Eush3cQ4b8nbQR
MQLChgEAqwhuXp9P48T4QEBSksYav7+aFjNySsLYLPzNqVM3RNwvBdvp6vgDtGwc
xLKQZVuuNVIAoYyls8swhxDeSHKPRdxRauTLZ+pl+wGvy0pnrLEJGSz9m0Emfbod
e/XopR2NGqaHJ6bIjyxPu6UtyQGI26En7UAEozACRHz06Nx2jTAY9E6NeB6XuobE
wLK025ZRmvgLcURGIbrV24tGHHTGxCe8M3oGLpUSMTKQ2dkgLjZVyt+gKdFtWELZ
MuRdi+X3XsrR8LFz+aLUiDRfQqhmw3RxxjIyVKvuu9UPYYInsvxYmFnUSEM+2q1z/
iPUry+xDY9MC6+IhleKT094VKdFVp7LXH42+wwU+17LroLQ2mK2N/nBLVBwaIhib
QXw4VYKwB86Bc6e56iqsc94KEgD/U4VsjmgfhK+Xp4NM+VYzTTa3QeV3p8x0M0cw
q1p8oZFA+0Bcz3FYWpDiE5j0NwKlw9hXsTyPY/HeZUV59aksKS0SRsmdfe8WJDPX
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	9.83 ms
TTFB	762.96 ms
Total Time	763.07 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 12 Jun 2026 16:57:12 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, 12 Jun 2026 16:57:12 GMT",
  "7": "Vary: Accept-Encoding",
  "8": "Content-Type: text/html; charset=UTF-8",
  "10": "HTTP/1.1 200 OK",
  "11": "Date: Fri, 12 Jun 2026 16:57:13 GMT",
  "12": "Server: Apache",
  "13": "Last-Modified: Fri, 12 Jun 2026 14:54:39 GMT",
  "14": "Cache-Control: max-age=0",
  "15": "Expires: Fri, 12 Jun 2026 16:57:13 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	9.19 ms
TTFB	759.05 ms
Total Time	759.14 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 12 Jun 2026 16:57:13 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, 12 Jun 2026 16:57:13 GMT",
  "7": "Vary: Accept-Encoding",
  "8": "Content-Type: text/html; charset=UTF-8",
  "10": "HTTP/1.1 200 OK",
  "11": "Date: Fri, 12 Jun 2026 16:57:14 GMT",
  "12": "Server: Apache",
  "13": "Last-Modified: Fri, 12 Jun 2026 14:54:39 GMT",
  "14": "Cache-Control: max-age=0",
  "15": "Expires: Fri, 12 Jun 2026 16:57:14 GMT",
  "16": "Vary: Accept-Encoding",
  "17": "Content-Type: text/html; charset=UTF-8"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	403 0.005566 0.012801
TCP Connect IPv4 → port 443	403 0.004701 0.029719

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
```