# IPv6 Readiness Report

**icu.gov.my — icu.gov.my**

Scan to verify

Category: Government • Generated: 02 Nov 2026, 03:05 MYT • Last Checked: 08 Aug 2026, 18:09 MYT • Verification ID: ed38963d-834b-477c-a98b-86a8091fd2f3
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/ed38963d-834b-477c-a98b-86a8091fd2f3

⚠
**Partially Compliant**
MGv6C-1.0

**60%**
**Partial Support**

**IPV6-ONLY READINESS**
Website: ✗ **Not Ready**
DNS: ✓ **Ready**
Email: ✓ **Ready**

**IPV4 ADDRESSES**
`103.8.147.162`

## Network Information (WHOIS / RDAP)

| | IPv4 Network |
|---|---|
| Organization | PCN |
| Country | MY |
| ASN | AS17564 |
| ASN Name | GITN-PCN-AS-AP - GITN (M) Sdn. Bhd., MY |
| Network (CIDR) | 103.8.147.2/31 |

## 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%) — 4 / 5

| # | CHECK | RESULT | DETAIL |
|---|---|---|---|
| 1 | **NS Has AAAA Record** | PASS | Nameserver has IPv6 address. |
| 2 | **NS Reachable via IPv6** | PASS | Nameserver is reachable via IPv6 on port 53. |
| 3 | **NS Answers Queries via IPv6** | PASS | DNS queries answered 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 | RSASHA256 |

## Email Services (25%) 6 / 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** | PASS | SMTP port 25 responds over IPv6. |
| 4 | **STARTTLS over IPv6** | PASS | STARTTLS supported over IPv6. |
| 5 | **SPF Record** | PASS | SPF record found. |
| 6 | **DKIM Selector** | INFO | No common DKIM selector found. |
| 7 | **DMARC Record** | PASS | DMARC record found. |

## IPv4 Baseline (15%) 3 / 3

| # | CHECK | RESULT | DETAIL |
|---|---|---|---|
| 1 | **A Record** | PASS | 103.8.147.162 |
| 2 | **HTTP over IPv4** | PASS | HTTP (port 80) responds over IPv4 — 41ms TTFB. |
| 3 | **HTTPS over IPv4** | PASS | HTTPS (port 443) responds over IPv4 — 23ms TTFB. |

## Audit Trail & Evidence Record

| | |
|---|---|
| **Verification ID** | ed38963d-834b-477c-a98b-86a8091fd2f3 |
| **Domain** | icu.gov.my |
| **Check Mode** | Manual |
| **Status** | Completed |
| **Started** | 08 Aug 2026, 18:09:14 MYT |
| **Finished** | 08 Aug 2026, 18:09:23 MYT |
| **Test Node Profile** | dual stack |
| **Engine Version** | 2.0.0 |
| **MGv6C Version** | 1.0.0 |
| **Audit URL** | https://ipv6.my6.my/audit/ed38963d-834b-477c-a98b-86a8091fd2f3 |

## Integrity Verification

✓ **INTEGRITY VERIFIED**

| | |
|---|---|
| **Algorithm** | hmac-sha256-v1 |
| **Root Hash** | 3094516e8fa1781e54999f46d614dbd50a62d709a126afb9bd0f5debb6b98632 |
| **http_headers** | 74166c80a5b404af8535fd970487d9115fe75c254116ab636023e463a801a6f4 |
| **dns_responses** | 122b23dfb5b7e5183acf21f3eaf31d2b29a8f2bb6783aff95f741fdad88a8ec0 |
| **tls_handshake** | e089457fc6ab66e20dd717f32506542b2610256cb5c4b6375580b9558f7ce9c1 |
| **connectivity_log** | 45bed322f50aa5819378122fdff35b5937eb0a141b3150aebc9eddffed59f421 |
| **dns_resolution_times** | 52aa91dddbb2a1535e09322b1d115ea926e9db561becf6bdac00d6333ce6880d |

## 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 | 21.1 | 22.28 | 23.75 | 23.85 | +2.7 |
| **Google** | IPv4 | 170.81 | 243.1 | 165.25 | 168.9 | -5.6 |
| **Google** | IPv6 | 164.2 | 241.13 | 165.16 | 167.79 | +1 |
| **Cloudflare** | IPv4 | 23.81 | 25.93 | 23.98 | 25.41 | +0.2 |
| **Cloudflare** | IPv6 | 48.08 | 58.33 | 38.05 | 45.83 | -10 |

## DNS Evidence

### A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 13323
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
icu.gov.my.	3600	IN	A	103.8.147.162
```

### DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 50559
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
icu.gov.my.	58787	IN	DS	7054 8 1 3F231BB9AD6E1F2539400C08D529D36BA136C183
icu.gov.my.	58787	IN	DS	7054 8 2 7C23F6848B485EEBFDE51A5EB3BDD3AC3486C48FDF06541CDD079920 65AC2478
```

### MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 63118
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
icu.gov.my.	3600	IN	MX	10 ALT4.ASPMX.L.GOOGLE.COM.
icu.gov.my.	3600	IN	MX	5 ALT1.ASPMX.L.GOOGLE.COM.
icu.gov.my.	3600	IN	MX	5 ALT2.ASPMX.L.GOOGLE.COM.
icu.gov.my.	3600	IN	MX	1 ASPMX.L.GOOGLE.COM.
icu.gov.my.	3600	IN	MX	10 ALT3.ASPMX.L.GOOGLE.COM.
```

### NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 31160
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
icu.gov.my.	3600	IN	NS	dns1.gitn.net.my.
icu.gov.my.	3600	IN	NS	dns2.gitn.net.my.
```

### TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 48504
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
icu.gov.my.	3600	IN	TXT	"google-site-verification=CC4zh7r55cN85F6k6R68hDPuS2yL1HVG6JQ2xlCypHw"
icu.gov.my.	3600	IN	TXT	"MS=ms88448846"
icu.gov.my.	3600	IN	TXT	"MS=0D372DBDDAF6936700B2D50DA7C703E7D21CEE77"
icu.gov.my.	3600	IN	TXT	"v=spf1 ip4:103.8.147.12/30 ip4:219.92.54.177/32 ip4:103.156.82.32/29 ip4:103.156.83.32/29 include:_spf.google.com ~all"
```

### AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 16187
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
icu.gov.my.	3600	IN	SOA	dns1.gitn.net.my. planning.gitn.com.my. 2026080537 10800 3600 604800 38400
```

### RRSIG

```
dns1.gitn.net.my. planning.gitn.com.my. 2026080537 10800 3600 604800 38400
SOA 8 3 3600 20260907094214 20260808084214 6325 icu.gov.my. t5nC3luvaRSFfqjvBxKOOMOkGVOAWAh7s8gR3/jhpxh4xlTNTJlg91Wa
fj6Qv4ajR8hKOo+3cBkt2eJRLTij10OHJFDDn4AcPHQXDpTCyuotIcQ/ iN0daLcE8dU9mEb4pPU6ecVjqwgpVf/4QHtcG3uUcJJAK8RFJiuq8WxG gR8=
```

### DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 24127
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
icu.gov.my.□□3599□IN□DNSKEY□256 3 8 AwEAAdkEGiMSUwG1zakPke3O2ABOmDsnu9p1N95zS7oacYgtqNItjuS6 XCw+IxWTnhTXHV8OuCZ6lIE9M8dTkP3mgrKDjN4UnOeqIRxIO0V6SJQp
IRv0ODn00Oyev77u1Ux2NFQwnR0gAVvI7o0kHOugzTnU1IzA2bLhj1Js 9NQyBz3d
icu.gov.my.□□3599□IN□DNSKEY□257 3 8 AwEAAbwBW486TrJFrgl+F1Z8tF2FpKMciEqi4/4sI6t9IrJ/bGEguCxm LfAipvhvJ0Si/Q2xvNHinVpY6m2P3Rj584fbuFCnJ07O8BCT/QRNeCtR
CRunmshfXUhpaoEbVEYA/Wpa4GjzUSkk77BcBowmYw9D5ifbaR45pgX6 kopax2W51OghZHY2y7BR+D112255xEKl9DouHHx6gUe4Jiag/3S/vMc5
l6bJBP24pd5Iy9+2TskG546YCaoqnAe7SByXiIVCuPYaJXiIN8MVhIOj X9Q71nZ/KsuhR9t4/K8uihssgPi0X19IWV69G4PL93a0RFfJpnueFO8Q VxZVF2Ym5Ek=
```

### DNSSEC_VALIDATION

```
; fully validated
icu.gov.my.□□3599□IN□SOA□dns1.gitn.net.my. planning.gitn.com.my. 2026080537 10800 3600 604800 38400
icu.gov.my.□□3599□IN□RRSIG□SOA 8 3 3600 20260907094214 20260808084214 6325 icu.gov.my. t5nC3luvaRSFfqjvBxKOOMOkGVOAWAh7s8gR3/jhpxh4xlTNTJlg91Wa
fj6Qv4ajR8hKOo+3cBkt2eJRLTij10OHJFDDn4AcPHQXDpTCyuotIcQ/ iN0daLcE8dU9mEb4pPU6ecVjqwgpVf/4QHtcG3uUcJJAK8RFJiuq8WxG gR8=
```

## TLS Handshake Evidence

### IPV4 Connection

| | |
|---|---|
| **IP Used** | 103.8.147.162 |
| **IP Version** | 4 |

```
depth=2 OU = GlobalSign Root CA - R3, O = GlobalSign, CN = GlobalSign
verify return:1
depth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
verify return:1
depth=0 C = MY, ST = PUTRAJAYA, L = PUTRAJAYA, O = UNIT PENYELARASAN PELAKSANAAN, CN = icu.gov.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:C = MY, ST = PUTRAJAYA, L = PUTRAJAYA, O = UNIT PENYELARASAN PELAKSANAAN, CN = icu.gov.my
   i:C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Jul 22 08:16:09 2025 GMT; NotAfter: Aug 23 08:16:08 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGxDCCBaygAwIBAgIMYjHKAYFWhQz1PKoZMA0GCSqGSIb3DQEBCwUAMFAxCzAJ
BgNVBAYTAkJFMRkwFwYDVQQKExBHbG9iYWxTaWduIG52LXNhMSYwJAYDVQQDEx1H
bG9iYWxTaWduIFJTQSBPViBTU0wgQ0EgMjAxODAeFw0yNTA3MjIwODE2MDlaFw0y
NjA4MjMwODE2MDhaMHIxCzAJBgNVBAYTAk1ZMRIwEAYDVQQIEwlQVVRSQUpBWUEx
EjAQBgNVBAcTCVBVVFJBSkFZQTEmMCQGA1UEChMdVU5JVCBQRU5ZRUxBUkFTQU4g
UEVMQUtTQU5BQU4xEzARBgNVBAMTCmljdS5nb3YubXkwggEiMA0GCSqGSIb3DQEB
AQUAA4IBDwAwggEKAoIBAQDUIN8yOAKfglt2Efwp7RmFkyLbzI8sNZp1xR+iIfYS
K6EoyBt7Wx8e3RC3DgKGzFTNBDc1aQ0KDlt+XuzAp2ezglZ9UO+LWKL6ZZtTG0J1
6kAjDFkp+1eDU///hD2Ms3lvhhKRgZ5g/RIf6VtsJ14aJzwIlJb7Ex8E1BqtaaX8
MzydmxfcndlaL9FubcSPqb5pSJ6fVmo4bSH8KmoaVeiIwPUuLAq/9uA8+QTHS0E/
vHjYPMP9CNsHijy0J5tjpbd+fpA15YF4EQB3GBQ4/OJPjsz288UCK/Zio8Mpy1Q8
4I9IKKQePUw3U57OrN1OZOOaJn9jHceuUWxINY/JKdB3AgMBAAGjggN6MIIDdjAO
BgNVHQ8BAf8EBAMCBaAwDAYDVR0TAQH/BAIwADCBjgYIKwYBBQUHAQEEgYEwfzBE
BggrBgEFBQcwAoY4aHR0cDovL3NlY3VyZS5nbG9iYWxzaWduLmNvbS9jYWNlcnQv
Z3Nyc2FvdnNzbGNhMjAxOC5jcnQwNwYIKwYBBQUHMAGGK2h0dHA6Ly9vY3NwLmds
b2JhbHNpZ24uY29tL2dzcnNhb3Zzc2xjYTIwMTgwVgYDVR0gBE8wTTBBBgkrBgEE
AaAyARQwNDAyBggrBgEFBQcCARYmaHR0cHM6Ly93d3cuZ2xvYmFsc2lnbi5jb20v
cmVwb3NpdG9yeS8wCAYGZ4EMAQICMD8GA1UdHwQ4MDYwNKAyoDCGLmh0dHA6Ly9j
cmwuZ2xvYmFsc2lnbi5jb20vZ3Nyc2FvdnNzbGNhMjAxOC5jcmwwTQYDVR0RBEYw
RIIKaWN1Lmdvdi5teYITZWJvb2tpbmcuaWN1Lmdvdi5teYIRZGFmdGFyLmljdS5n
b3YubXmCDnd3dy5pY3UuZ292Lm15MB0GA1UdJQQWMBQGCCsGAQUFBwMBBggrBgEF
BQcDAjAfBgNVHSMEGDAWgBT473/yzXhnqN5vjySNiPGHAwKz6zAdBgNVHQ4EFgQU
Lw9HEPM9qAuxnHcqUIQ6SaTc84YwggF8BgorBgEEAdZ5AgQCBIIBbASCAWgBZgB1
AKyrMHBs6+yEMfQT0vSRXxEeQiRDsfKmjE88KzunHgLDAAABmDE0ZYUAAAQDAEYw
RAIgTBjsarwb6vCQ8rmsdOXbIBICqZw+K0qO9vbZhaGIIiYCIBb8ROT1eu0/Dhe8
pXlS+ovLwfw64R5E9FDPfE4F2z5IAHYAyzj3FYl8hKFEX1vB3fvJbvKaWc1HCmkF
hbDLFMMUWOcAAAGYMTRljQAABAMARzBFAiBisUE06CVqUGR7koLda14ePI2cjs+Y
scJbPesWdE2asQIhAO999fbZgWuUslXTfbws6T2enmjKSvWlIfyepH7JJ5LzAHUA
wjF+V0UZo0XufzjespBB68fCIVoiv3/Vta12mtkOUs0AAAGYMTRm9gAABAMARjBE
AiAKZs5uy0XVxlCfBONwJ0gLDsgjG15de6f/mCH0gA3boAIgeET6/onhO1x+YVlq
QbPy1O2sekTOSb0/hagLcpQfJ9UwDQYJKoZIhvcNAQELBQADggEBACdOONWu37Y2
yDhcp1Q4hQaQQ0ZiP5I6yIGWHUsp0kKSl+V3Uu8udUNaPzKl3qUdCKyHUBQh/H3W
XWAmZ4hk5Dqtv/Rzj6yYxf6kZyWJpC7dAoat1tcoC3faqylz7D3mgUdf+slundsy
QvTDUxzkhfad8l9HPoNZRlDPrIhVMe98gN6h4mdd+himk400k8PvyTuGfFKQnf75
eEJudORjgqpN9iUB4elt4bs316M4/BxzAyfL1RQiycipsA+LlJoBbmllGtzfKslT
jEdy+4fGhXu056Rnv8kRMBWQFLKRghDFxmwvDfaPFN4mWoP/IkDIoSL1/7oSdz8v
SvI//rf56+M=
-----END CERTIFICATE-----
 1 s:C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
   i:OU = GlobalSign Root CA - R3, O = GlobalSign, CN = GlobalSign
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Nov 21 00:00:00 2018 GMT; NotAfter: Nov 21 00:00:00 2028 GMT
-----BEGIN CERTIFICATE-----
MIIETjCCAzagAwIBAgINAe5fIh38YjvUMzqFVzANBgkqhkiG9w0BAQsFADBMMSAw
HgYDVQQLExdHbG9iYWxTaWduIFJvb3QgQ0EgLSBSMzETMBEGA1UEChMKR2xvYmFs
U2lnbjETMBEGA1UEAxMKR2xvYmFsU2lnbjAeFw0xODExMjEwMDAwMDBaFw0yODEx
MjEwMDAwMDBaMFAxCzAJBgNVBAYTAkJFMRkwFwYDVQQKExBHbG9iYWxTaWduIG52
LXNhMSYwJAYDVQQDEx1HbG9iYWxTaWduIFJTQSBPViBTU0wgQ0EgMjAxODCCASIw
DQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAKdaydUMGCEAI9WXD+uu3Vxoa2uP
UGATeoHLl+6OimGUSyZ59gSnKvuk2la77qCk8HuKf1UfR5NhDW5xUTolJAgvjOH3
idaSz6+zpz8w7bXfIa7+9UQX/dhj2S/TgVprX9NHsKzyqzskeU8fxy7quRU6fBhM
abO1IFkJXinDY+YuRluqlJBJDrnw9UqhCS98NE3QvADFBlV5Bs6i0BDxSEPouVq1
lVW9MdIbPYa+oewNEtssmSStR8JvA+Z6cLVwzM0nLKWMjsIYPJLJLnNvBhBWk0Cq
o8VS++XFBdZpaFwGue5RieGKDkFNm5KQConpFmvv73W+eka440eKHRwup08CAwEA
AaOCASkwggElMA4GA1UdDwEB/wQEAwIBhjASBgNVHRMBAf8ECDAGAQH/AgEAMB0G
A1UdDgQWBBT473/yzXhnqN5vjySNiPGHAwKz6zAfBgNVHSMEGDAWgBSP8Et/qC5F
JK5NUPpjmove4t0bvDA+BggrBgEFBQcBAQQyMDAwLgYIKwYBBQUHMAGGImh0dHA6
Ly9vY3NwMi5nbG9iYWxzaWduLmNvbS9yb290cjMwNgYDVR0fBC8wLTAroCmgJ4Yl
aHR0cDovL2NybC5nbG9iYWxzaWduLmNvbS9yb290LXIzLmNybDBHBgNVHSAEQDA+
```

```
MDwGBFUdIAAwNDAyBggrBgEFBQcCARYmaHR0cHM6Ly93d3cuZ2xvYmFsc2lnbi5j
b20vcmVwb3NpdG9yeS8wDQYJKoZIhvcNAQELBQADggEBAJmQyC1fQorUC2bbmANz
EdSIhlIoU4r7rd/9c446ZwTbw1MUcBQJfMPg+NccmBqixD7b6QDjynCy8SIwIVbb
0615XoFYC20UgDX1b10d65pHBf9ZjQCxQNqQmJYaumxtf4z1s4DfjGRzNpZ5eWl0
6r/4ngGPoJVpjemEuunl1Ig423g7mNA2eymw0lIYkN5SQwCuaifIFJ6GlazhgDEw
fpolu4usBCOmmQDo8dIm7A9+O4orkjgTHY+GzYZSR+Y0fFukAj6KYXwidlNalFMz
hriSqHKvoflShx8xpfywgVcvzfTO3PYkz6fiNJBonf6q8amaEsybwMbDqKWwIX7e
SPY=
-----END CERTIFICATE-----
 2 s:OU = GlobalSign Root CA - R3, O = GlobalSign, CN = GlobalSign
   i:OU = GlobalSign Root CA - R3, O = GlobalSign, CN = GlobalSign
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Mar 18 10:00:00 2009 GMT; NotAfter: Mar 18 10:00:00 2029 GMT
-----BEGIN CERTIFICATE-----
MIIDXzCCAkegAwIBAgILBAAAAAABIVhTCKIwDQYJKoZIhvcNAQELBQAwTDEgMB4G
A1UECxMXR2xvYmFsU2lnbiBSb290IENBIC0gUjMxEzARBgNVBAoTCkdsb2JhbFNp
Z24xEzARBgNVBAMTCkdsb2JhbFNpZ24wHhcNMDkwMzE4MTAwMDAwWhcNMjkwMzE4
MTAwMDAwWjBMMSAwHgYDVQQLExdHbG9iYWxTaWduIFJvb3QgQ0EgLSBSMzETMBEG
A1UEChMKR2xvYmFsU2lnbjETMBEGA1UEAxMKR2xvYmFsU2lnbjCCASIwDQYJKoZI
hvcNAQEBBQADggEPADCCAQoCggEBAMwldpB5BngiFvXAg7aEyiie/QV2EcWtiHL8
RgJDx7KKnQRfJMsuS+FggkbhUqsMgUdwbN1k0ev1LKMPgj0MK66X17YUhhB5uzsT
gHeMCOFJ0mpiLx9e+pZo34knlTifBtc+ycsmWQ1z3rDI6SYOgxXG71uL0gRgykmm
KPZpO/bLyCiR5Z2KYVc3rHQU3HTgOu5yLy6c+9C7v/U9AOEGM+iCK65TpjoWc4zd
QQ4gOsC0p6Hpsk+QLjJg6VfLuQSSaGjlOCZgdbKfd/+RFO+uIEn8rUAVSNECMWEZ
XriX7613t2Saer9fwRPvm2L7DWzgVGkWqQPabumDk3F2xmmFghcCAwEAAaNCMEAw
DgYDVR0PAQH/BAQDAgEGMA8GA1UdEwEB/wQFMAMBAf8wHQYDVR0OBBYEFI/wS3+o
LkUkrk1Q+mOai97i3Ru8MA0GCSqGSIb3DQEBCwUAA4IBAQBLQNvAUKr+yAzv95ZU
```

## HTTP Response Evidence

### IPv4 HTTP (port 80)

| | |
|---|---|
| **HTTP Status** | 404 |
| **Connected IP** | 103.8.147.162 |
| **Connect Time** | 13.41 ms |
| **TTFB** | 39.51 ms |
| **Total Time** | 39.59 ms |

**Response Headers:**


```
{
    "0": "HTTP/1.0 302 Moved Temporarily",
    "1": "Location: https://icu.gov.my/",
    "2": "Server: BigIP",
    "3": "Connection: Keep-Alive",
    "4": "Content-Length: 0",
    "6": "HTTP/2 404",
    "7": "content-length: 315",
    "8": "content-type: text/html; charset=us-ascii",
    "9": "date: Sat, 08 Aug 2026 10:09:23 GMT"
}
```


### IPv4 HTTPS (port 443)

| | |
|---|---|
| **HTTP Status** | 404 |
| **Connected IP** | 103.8.147.162 |
| **Connect Time** | 5.85 ms |
| **TTFB** | 23.79 ms |
| **Total Time** | 23.81 ms |

**Response Headers:**


```
[
    "HTTP/2 404",
    "content-length: 315",
    "content-type: text/html; charset=us-ascii",
    "date: Sat, 08 Aug 2026 10:09:23 GMT"
]
```


## Connectivity Test Evidence

| Test | Result |
|---|---|
| **TCP Connect IPv4 → port 80** | 302 0.005801 0.012838 |
| **TCP Connect IPv4 → port 443** | 404 0.005728 0.035044 |

## 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
```