

# IPv6 Readiness Report

jpm.gov.my — jpm.gov.my



Scan to verify

Category: Government • Generated: 13 Jun 2026, 18:39 MYT • Last Checked: 13 Jun 2026, 00:54 MYT • Verification ID: fb79e7dc-8d1f-4d65-97af-3c90459f23bb  
Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>  
Audit trail: <https://ipv6.my6.my/audit/fb79e7dc-8d1f-4d65-97af-3c90459f23bb>

<p><b>X</b></p> <p><b>Non-Compliant</b></p> <p>MGv6C-1.0</p>	<p><b>52%</b></p> <p><b>No IPv6 Support</b></p>	<p><b>IPv6-ONLY READINESS</b></p> <p>Website: <b>X Not Ready</b></p> <p>DNS: <b>✓ Ready</b></p> <p>Email: <b>X Not Ready</b></p>
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<p><b>IPv4 ADDRESSES</b></p> <p>163.53.152.33</p>
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## Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	GITN Sdn Bhd
Country	MY
ASN	AS17564
ASN Name	GITN-PCN-AS-AP - GITN (M) Sdn. Bhd., MY
Network (CIDR)	163.53.152.0/22

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%)				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	<b>Signing Algorithm</b>	<b>INFO</b>	RSASHA256

**Email Services** (25%) 4 / 6

#	CHECK	RESULT	DETAIL
1	<b>MX Record Exists</b>	<b>PASS</b>	MX record found.
2	<b>MX Server Has IPv6</b>	<b>PASS</b>	MX server has AAAA record.
3	<b>SMTP Reachable via IPv6</b>	<b>FAIL</b>	SMTP is not reachable over IPv6.
4	<b>STARTTLS over IPv6</b>	<b>FAIL</b>	STARTTLS not available over IPv6.
5	<b>SPF Record</b>	<b>PASS</b>	SPF record found.
6	<b>DKIM Selector</b>	<b>INFO</b>	No common DKIM selector found.
7	<b>DMARC Record</b>	<b>PASS</b>	DMARC record found.

**IPv4 Baseline** (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	<b>A Record</b>	<b>PASS</b>	163.53.152.33
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 1003ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 884ms TTFB.

### Audit Trail & Evidence Record

Verification ID	fb79e7dc-8d1f-4d65-97af-3c90459f23bb
Domain	jpm.gov.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 00:53:42 MYT
Finished	13 Jun 2026, 00:54:58 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/fb79e7dc-8d1f-4d65-97af-3c90459f23bb

### Integrity Verification

<b>✓ INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	d81541e5ae5ced5b07713d5343fdf0f59556d898cad899811aff94f9d3533e57
http_headers	bd9d7f02abb4b99c6c0e9102c1f330d23ff44485cc90c7deb730a8db738dcd11
dns_responses	ec894c89322b85acacc9195d4abf1b48e1376de54be080fe50b24fe86ea60a
tls_handshake	1b201454589762227d3b723cca8dcc5d78e0fe9da04bb8ed0ea417393ef4f51
connectivity_log	87cf69074eb6351cf38cad2b66e1ecd686664c561e06c606fca600b789473d97
dns_resolution_times	4f1288652b1eae7afac92b6c9ce80f87df389e7383c248783a820e624b378c4f

### 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	25.08	37.19	24.05	27.94	-1
Google	IPv4	34.8	43.75	47.89	53.37	+13.1
Google	IPv6	44.32	59.55	47.3	62.29	+3
Cloudflare	IPv4	27.22	28.22	32.2	34.53	+5
Cloudflare	IPv6	21.9	27.74	57	58.87	+35.1



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 27178
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jpm.gov.my. 0038400 IN A 163.53.152.33
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 42092
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jpm.gov.my. 0086327 IN DS 45397 8 1 6DF2CD12E570CE9421062715501D2916CF721169
jpm.gov.my. 0086327 IN DS 45397 8 2 DFFB76262F77605E4F472844377A199AC6DBC9977FA3A06C74E14E02 7761104C
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 64576
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jpm.gov.my. 00300 IN MX 1 aspmx.l.google.com.
jpm.gov.my. 00300 IN MX 10 alt4.aspmx.l.google.com.
jpm.gov.my. 00300 IN MX 5 alt1.aspmx.l.google.com.
jpm.gov.my. 00300 IN MX 5 alt2.aspmx.l.google.com.
jpm.gov.my. 00300 IN MX 10 alt3.aspmx.l.google.com.
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63733
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jpm.gov.my. 0038400 IN NS dns2.gitn.net.my.
jpm.gov.my. 0038400 IN NS dns1.gitn.net.my.
```

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 42432
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jpm.gov.my. 003600 IN TXT "google-site-verification=8XdYmNxKC7W-HprL0irtuXLJ01GZG7D11jZ_2YamE8M"
jpm.gov.my. 003600 IN TXT "MS=F003800D590FF3AC5DE1A9A94649106908FDE7A1"
jpm.gov.my. 003600 IN TXT "_globalsign-domain-verification=6k3A3Dc_NUc4z9DZH0qz1hUENGg6XKFYrSGoP5VcK"
jpm.gov.my. 003600 IN TXT "google-site-verification=glxtToE_vHGGVgGNpRy86PbLsYyNTEucfRDYDGiHxk"
jpm.gov.my. 003600 IN TXT "v=spf1 ip4:103.8.147.121/32 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: 8664
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
jpm.gov.my. 003600 IN SOA dns1.gitn.net.my. root.dns1.gitn.net.my. 2026023578 10800 3600 604800 38400
```

RRSIG

```
dns1.gitn.net.my. root.dns1.gitn.net.my. 2026023578 10800 3600 604800 38400
SOA 8 3 38400 20260712161627 20260612151627 58173 jpm.gov.my. VSDvXJ5/9H3IFiLtQCubkLPMBCzCNBWqi12ggT3LdFLAc2B++08i0w5x
7iYM6u/IR/Ur+a1JHCKXN5znibGskDrPmYVN7p5h0ybMRyM92q0PJBsn 9D1N95LnR2/fowsq+cH0QWwzqxX60gt/CgXHzP3tHRnto4gUAa5LM0AX iKY=
```

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14318
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jpm.gov.my. 38328 IN DNSKEY 256 3 8 AwEAAbyHSImfk/8xMH6WhiGuICQLKdqyay4wPgEGArFsbE2ThroTeTr6 VbGNfI+M6CRbndqBHArntz/190ZLTbLgHkGduwRJM4ePTVgsqNasTuNS
jZ7mfTfoJ3r0+FxwU+QftjfE2L9aYLWjbaYxiL2qh3/md6w5PY/k2V2g ZIHsw0Rn
jpm.gov.my. 38328 IN DNSKEY 257 3 8 AwEAAZqvK6mwPZiBl22uC1b8RdtpJw+6HiaG8zPzr1AQHF+KpEgJpkMt rDrs0j9TwVdtA+eXB2TXq8fgC2AaBroeS/PyC25D3QNNXq4pIDuPoFAL
xh9IERTgLB0d8SdvvMso0szMMcZid6BpMDRyCxJitf2GGcQd0d4M6q+H dI3ZC03VzV1fbKMqHbf2Hfxb/TFjgR9ohNs+9s jt2QW7oodoHvypSCBJ
GtKBZmke5SxHD0ho1ySLRfU2Kd5Szf/IMeLZLVFgCCp18/Urcksker7f hmNekuW+2kE0HSUJ2Mx2/neb3UmyraLHdNf9hHNtIXXrjkbTSZaqm/Xc N/eNy3mDZtk=
```

DNSSEC\_VALIDATION

```
; fully validated
jpm.gov.my. 38328 IN SOA dns1.gitn.net.my. root.dns1.gitn.net.my. 2026023578 10800 3600 604800 38400
jpm.gov.my. 38328 IN RRSIG SOA 8 3 38400 20260712161627 20260612151627 58173 jpm.gov.my. VSDvXJ5/9H3IFiLtQCubkLPMBCzCNBWqi12ggT3LdFLAc2B++08i0w5x
7iYM6u/IR/Ur+a1JHCKXN5znibGskDrPmYVN7p5h0ybMRyM92q0PJBsn 9D1N95LnR2/fowsq+cH0QWwzqxX60gt/CgXHzP3tHRnto4gUAa5LM0AX iKY=
```



TLS Handshake Evidence

IPV4 Connection

IP Used	163.53.152.33
IP Version	4

```
depth=0 C = MY, ST = PUTRAJAYA, L = PUTRAJAYA, O = JABATAN PERDANA MENTERI, CN = *.jpm.gov.my
verify error:num=20:unable to get local issuer certificate
verify return:1
depth=0 C = MY, ST = PUTRAJAYA, L = PUTRAJAYA, O = JABATAN PERDANA MENTERI, CN = *.jpm.gov.my
verify error:num=21:unable to verify the first certificate
verify return:1
depth=0 C = MY, ST = PUTRAJAYA, L = PUTRAJAYA, O = JABATAN PERDANA MENTERI, CN = *.jpm.gov.my
verify return:1
CONNECTED(0000010)
---
Certificate chain
0 s:C = MY, ST = PUTRAJAYA, L = PUTRAJAYA, O = JABATAN PERDANA MENTERI, CN = *.jpm.gov.my
i:C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Aug 13 02:16:03 2025 GMT; NotAfter: Sep 14 02:16:02 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGljCBX6gAwIBAgIMWkNYSAp6u4mpTVUMA0GCSqGSIb3DQEBCwUAMFAxZjA1
BgNVBAYTAkRFRkRkFwYVQKExBHBG9iYXxTaWduIG52LXNhMSYwJAYDVQQDEkx1
bG9iYXxTaWduIFJ0S0B0PVI0B0w0EgMjAxODAEw0YNTA0MTwMjE2MDNaFw0y
NjA5MTQwMjE2MDJAMG4xZjA1BgNVBAYTAkRFRkRkFwYVQKExBHBG9iYXxTaWdu
EjA0BgNVBAcTCVBBVVFJBSkFZ0TEgMB4GA1UECHMXSkFCQVRBtiBQRVJE0U5BIE1F
TLRFUkxkFTATBgNVBAMMDCouanBtLmdvdi5teTCCASiWdQYJKoZIhvcNAQEBBQAD
ggEPADCCAQoCggEBAL20vZfDdJuraF4X/0NLDVdcW0cB3GG/+G02HMSG+omqNiUS
voQ5k60PHid+eyWLkDSmyz6Yquu0ZK+YbYqFsRrXrH3SCmcerf0k4FtbE19PiV1+
InDfS3xgP00Nem4mT/S1BRh0PREAc2de8E8WuR2DMdDpwLw/070CRMbzbCCnIg2
+FFvPpFpFYAcAbM11i+YyILpxYLCz7mWeAbs+1I6xhJ2ijQk+itxYB6WT9sXNyJ
py7nI/TucIu3MwS7mogqpFfuHEgL0wyqeIn2/Eg00YF02+NrpNrTPwbcjerFVF
e9CEnpk3qznoGhggzoxCxLHG5Sjcz5ermvYjHhKCAwEAa0CA1AwggNMAA4GA1Ud
DwEB/wQEAwIFoDAMBGNVHRMBAf8EAJAAMIg0BggrBgEFBQcBAQSBGtB/MEQGCSG
AQUFBzAChjodHRwOiBvc2VjdXJlLmdsb2JhbHNpZ24uY29tL2NhY2VydC9nc3Jz
YW92c3NsY2EyMDE4LmNydDA3BgggrBgEFBQcwAYYraHR0cDovL29jc3AuZ2xvYmFs
c2lnbi5jb20vZ3Nyc2FvdnNzbG9hMjAxODBwBgNVHSAETzBNMEEGCSsGAQQBoDIB
FDA0MDIGCCsGAUQvFBWIBFIZodHRwczovL3d3dy5nbG9iYXxzaWduLmNvbS9yZXBv
c2lnbi5jb20vZ3Nyc2FvdnNzbG9hMjAxODBwBgNVHSAETzBNMEEGCSsGAUQvFBWIBF
bG9iYXxzaWduLmNvbS9nc3JzYW92c3NsY2EyMDE4LmNydA1AwggNMAA4GA1UdDgQW
AQUFBWMBMB8GA1UdIwQYMBaAFpJvF/LNeGeo3m+PJI2I8YcDARPrMB0GA1UdDgQW
BBTCAkUQCmpU1Xl0g0ZBKCG2F9yF/TCCAXwGC1sGAQQB1nkCBAIEggFsbIIbAFm
AHUAyzj3FYl8hKFEX1vB3FvJbvKawc1HCmkFhbDLFMMUW0cAAAGYoTaigAAABAMA
RjBEA1B90eRXp0Mh/JEqu8XqXH5WZaZM43r+S1/toNyXmMwNwIgr5SW0p6k8FUs
mkIuAvId1ni6wGBQTxC6qJvhjW6KvpcAdgDCMX5XRrmjRe5/ON6yKEHrx8IhWiK/
f9W1rXaa2Q5S2QAAAziHnQ2AAAEAwBHMEUCIGp4uaoFahMns8eIdCnQtKa48Bts
uvTLGUa9R0bf2vFWAiEA10ulkbCE6Rsn5QAm96GjYx5C1nD60c/+crRS1UhdBf0A
d0CUCsGKsNBXhVgrA00Hyy8jcn1cnvJUfIKUMEmhjunAAAAZihNqJ+AAAEAwBg
MEQCIENsEqHrtA8Ki8hJmkjJYmzB2LUVkLdAEZEj fUFtNPZSAiBUZ4FA25f2HV3
EwmA4CGYLH5CGvFLW/DTuM+JWM6DxDANBgkqhkiG9w0BAQsFAA0CAQEAcLUwDFY
aX3I7wtML6HQ/xvNms98vW70tGgLzm635I1pcfxUqF82iw+k8bdMrgJxY6oNFq2
3Eq09hwM9eJnkhfHg5/LMY772x2N0vMzNl0WiKEXtmk2P06n0drbf8xcMyJ3wI0
PAHQEHs67TvYD7UCBxNkLtd2LH8B7rpVjtbPA2C00WPNhnh+fqzSAE++gspcbxP
xBZTYxn+hjnjrsUp4L7paiI/wixKBjP7E7oyFQvcFSjwcPqtFU+g4BE2TiU3z0ZM
EXUYAYz61W6TLnzn8Y2QdYpWAtL9G/d9boX+MMbW157Wh+cQkM0Qd9FE/TuZk
9oU4q5TAYdGp8Q==
-----END CERTIFICATE-----
---
Server certificate
subject=C = MY, ST = PUTRAJAYA, L = PUTRAJAYA, O = JABATAN PERDANA MENTERI, CN = *.jpm.gov.my
issuer=C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: RSA-PSS
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 2351 bytes and written 405 bytes
Verification error: unable to verify the first certificate
---
New, TLSv1.2, Cipher is ECDHE-RSA-AES256-GCM-SHA384
Server public key is 2048 bit
Secure Renegotiation IS supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
SSL-Session:
```

```

Protocol : TLSv1.2
Cipher   : ECDHE-RSA-AES256-GCM-SHA384
Session-ID: 0231F078E0A22269C342192E9E13555B5952ADD93107735D2000DF012D308E8
Session-ID-ctx:
Master-Key: 799B0F706E26D6F9ED7436D5890FBD03339212DE0FE89DA1A19EAAF6A1F216F19714D97B310C88D06D113150AD50EC25
PSK identity: None
PSK identity hint: None
SRP username: None
TLS session ticket lifetime hint: 7200 (seconds)
TLS session ticket:
0000 - 6d 66 ab d9 b7 ba 7e 8b-39 9b 2b 19 3a bb 10 2f   mf...~.9.+.../
0010 - 2b 61 0a 31 d3 88 81 98-92 9b b3 59 90 2e be ec   +a.1.....Y....
0020 - da 3e 6c 45 96 10 5f 82-d8 4c fe b3 7f 08 e8 a6   .>1E...L.....
0030 - 29 9e 8d 61 97 9f 95 11-d0 45 41 f5 69 b3 6a ca   ).a.....EA.i.j.
0040 - 49 8b 98 8b b6 20 f2 a7-11 4c 59 33 c1 a5 93 6a   I....LY3...j
0050 - ab f0 14 c5 5b b1 8c cd-f3 6e 76 92 13 a0 96 08   ....[...nv....
0060 - d8 33 7c ef a9 97 06 eb-71 92 db f3 08 01 b0 97   .3|....q.....
0070 - 6a fa 14 69 00 29 2a 41-2d 6d fe 71 e1 30 ca 7c   j..i.)*A-m.q.0.|
0080 - ac b1 7e e7 88 37 15 61-f8 57 bd a1 d3 6e d0 16   ..~.7.a.W...n..
0090 - ef 9c 0f 5c eb b6 24 40-55 e5 f4 7e fa 22 81 9a   ...\. $@U...~"...
00a0 - 04 1b e5 9d a3 82 eb bf-b5 cf c7 d0 a2 d9 86 2a   .....*
00b0 - fd 09 f9 e2 64 b6 bf b4-9b 2b 8d 55 91 3b 56 f8   ....d...+U.;V.

Start Time: 1781283296
Timeout : 7200 (sec)
Verify return code: 21 (unable to verify the first certificate)
Extended master secret: yes

```



## HTTP Response Evidence

### IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	163.53.152.33
Connect Time	17.61 ms
TTFB	940.97 ms
Total Time	941.13 ms

#### Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Location: https://jpm.gov.my:443/",
  "2": "Content-Length: 98",
  "3": "Content-Type: text/html",
  "5": "HTTP/2 301",
  "6": "server: nginx",
  "7": "date: Fri, 12 Jun 2026 16:54:56 GMT",
  "8": "content-type: text/html; charset=utf-8",
  "9": "set-cookie: 4d203aafa7c7cf48308dd3e84a143cd5=mpm9md4riu8jgtv7f0ade0gps0; path=/; HttpOnly",
  "10": "x-frame-options: SAMEORIGIN",
  "11": "referrer-policy: strict-origin-when-cross-origin",
  "12": "cross-origin-opener-policy: same-origin",
  "13": "expires: Wed, 17 Aug 2005 00:00:00 GMT",
  "14": "last-modified: Fri, 12 Jun 2026 16:54:56 GMT",
  "15": "cache-control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
  "16": "location: https://jpm.gov.my/ms/",
  "17": "pragma: no-cache",
  "18": "strict-transport-security: max-age=63072000; includeSubdomains",
  "19": "x-frame-options: SAMEORIGIN",
  "20": "x-content-type-options: nosniff",
  "21": "set-cookie: cookiesession1=678B28854DD9153E8903E87E8A6CAA7;Expires=Sat, 12 Jun 2027 16:54:57 GMT;Path=/;HttpOnly",
  "23": "HTTP/2 200",
  "24": "server: nginx",
  "25": "date: Fri, 12 Jun 2026 16:54:57 GMT",
  "26": "content-type: text/html; charset=utf-8",
  "27": "vary: Accept-Encoding",
  "28": "set-cookie: 4d203aafa7c7cf48308dd3e84a143cd5=ln6eentmd3gpl0coe8n53787nb; path=/; HttpOnly",
  "29": "x-frame-options: SAMEORIGIN",
  "30": "referrer-policy: strict-origin-when-cross-origin",
  "31": "cross-origin-opener-policy: same-origin",
  "32": "expires: Wed, 17 Aug 2005 00:00:00 GMT",
  "33": "last-modified: Fri, 12 Jun 2026 16:54:57 GMT",
  "34": "cache-control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
  "35": "pragma: no-cache",
  "36": "strict-transport-security: max-age=63072000; includeSubdomains",
  "37": "x-frame-options: SAMEORIGIN",
  "38": "x-content-type-options: nosniff"
}
```

### IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	163.53.152.33
Connect Time	6.68 ms
TTFB	922.11 ms
Total Time	922.21 ms

#### Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "server: nginx",
  "2": "date: Fri, 12 Jun 2026 16:54:57 GMT",
  "3": "content-type: text/html; charset=utf-8",
  "4": "set-cookie: 4d203aafa7c7cf48308dd3e84a143cd5=8us027n7qfnhhj5c0im8vkgef; path=/; HttpOnly",
  "5": "x-frame-options: SAMEORIGIN",
  "6": "referrer-policy: strict-origin-when-cross-origin",
  "7": "cross-origin-opener-policy: same-origin",
  "8": "expires: Wed, 17 Aug 2005 00:00:00 GMT",
  "9": "last-modified: Fri, 12 Jun 2026 16:54:57 GMT",
  "10": "cache-control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
}
```

```

"11": "location: https://jpm.gov.my/ms/",
"12": "pragma: no-cache",
"13": "strict-transport-security: max-age=63072000; includeSubdomains",
"14": "x-frame-options: SAMEORIGIN",
"15": "x-content-type-options: nosniff",
"16": "set-cookie: cookiesession1=678B2885C6FEE3093E2F8A887A0023BF;Expires=Sat, 12 Jun 2027 16:54:57 GMT;Path=/;HttpOnly",
"18": "HTTP/2 200",
"19": "server: nginx",
"20": "date: Fri, 12 Jun 2026 16:54:58 GMT",
"21": "content-type: text/html; charset=utf-8",
"22": "vary: Accept-Encoding",
"23": "set-cookie: 4d203aafa7c7cf48308dd3e84a143cd5=femko5ql6gfvk6bj3o5s3s47t8; path=/; HttpOnly",
"24": "x-frame-options: SAMEORIGIN",
"25": "referrer-policy: strict-origin-when-cross-origin",
"26": "cross-origin-opener-policy: same-origin",
"27": "expires: Wed, 17 Aug 2005 00:00:00 GMT",
"28": "last-modified: Fri, 12 Jun 2026 16:54:58 GMT",
"29": "cache-control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
"30": "pragma: no-cache",
"31": "strict-transport-security: max-age=63072000; includeSubdomains",
"32": "x-frame-options: SAMEORIGIN",
"33": "x-content-type-options: nosniff"
}
    
```

**Connectivity Test Evidence**

Test	Result
TCP Connect IPv4 → port 80	301 0.005395 0.024255
TCP Connect IPv4 → port 443	000 0.005166 0.000000

**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
    
```