

IPv6 Readiness Report

jkr.gov.my — jkr.gov.my



Scan to verify

Category: Government • Generated: 13 Jun 2026, 19:10 MYT • Last Checked: 13 Jun 2026, 00:57 MYT • Verification ID: 9f0ac658-4c46-44c9-a815-993ecf46589a

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

Audit trail: <https://ipv6.my6.my/audit/9f0ac658-4c46-44c9-a815-993ecf46589a>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>47%</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>110.159.246.128</p>

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	UNIFI-HOME
Country	MY
ASN	AS4788
ASN Name	TTSSB-MY - TM TECHNOLOGY SERVICES SDN. BHD., MY
Network (CIDR)	110.159.224.0/19

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%)				3 / 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	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	RSASHA256

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	No common DKIM selector found.
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	110.159.246.128
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 167ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 122ms TTFB.

Audit Trail & Evidence Record

Verification ID	9f0ac658-4c46-44c9-a815-993ecf46589a
Domain	jkr.gov.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 00:55:57 MYT
Finished	13 Jun 2026, 00:57:18 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/9f0ac658-4c46-44c9-a815-993ecf46589a

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	3fd52ac7a71e09b1d14062c991cdf441937e6253434ec048f2f185b1ca621903
http_headers	8c2260a758f94ec73c3ef2e8a2222d270a76a1e678b243514928d94fe7453a4b
dns_responses	fc551851cec0885b8235c0768b11ad27473e3e5dd5444cc7048044ca3bce0a73
tls_handshake	b2a094f8ef3b2a24de7d3748aa17b4d204c76c228456087c60b70d695e4dd422
connectivity_log	09249c2a960a45e7a3f9900cf947cb0a9923c3359110cb80ff8683fe69bb85f2
dns_resolution_times	d1e9acfb1b92acfb34cdb755a07b412e061145cacb91caa0e5411e09ae695b79

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	6.9	7.85	18.54	19.77	+11.6
Google	IPv4	24.39	27.1	29.17	31.22	+4.8
Google	IPv6	42.81	48.52	42.4	43.04	-0.4
Cloudflare	IPv4	9.79	21.25	9.04	9.81	-0.8
Cloudflare	IPv6	21.5	59.92	10.15	20.38	-11.4

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 46335
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
jkr.gov.my. 003600 IN SOA dns1.gitn.net.my. root.dns1.gitn.net.my. 2026052228 10800 3600 604800 38400
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 53022
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jkr.gov.my. 0086326 IN DS 2659 8 1 BE99807727680BEDF8E961BDAAAC63FA636B05F8B
jkr.gov.my. 0086326 IN DS 2659 8 2 FA88967F6D85DAAE9AD4B189D8DB0589984D97D71AE8D84643A341CE 2E7157CE
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 62058
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

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

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 44964
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jkr.gov.my. 003600 IN NS dns2.gitn.net.my.
jkr.gov.my. 003600 IN NS dns1.gitn.net.my.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 28790
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jkr.gov.my. 00300 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"
jkr.gov.my. 00300 IN TXT "google-site-verification=w0ksh9JJvb29QibWd6Lar30XWljwq-5cLeNaBzikB8"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 45716
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
jkr.gov.my. 003600 IN SOA dns1.gitn.net.my. root.dns1.gitn.net.my. 2026052228 10800 3600 604800 38400
```

RRSIG

```
dns1.gitn.net.my. root.dns1.gitn.net.my. 2026052228 10800 3600 604800 38400
```

SOA 8 3 3600 20260712102651 20260612092651 46011 jkr.gov.my. rBwvmtaHuCaAQJpwzPg+qH1ku02YcSEyhUXMxUSQU75Cvov0QA7M04x
AbrNsFrihSKXpkt5HZ/WrAtEDB+qIIA/FYCqdbsdFDW0spW0o4d1zTCG o0u0F8ri+iSf04740GL7V/HRatMwCG1Sh0rNLyZKZhKJNXTLWY0Wu2km Bg8=

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 20539
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jkr.gov.my. 3526 IN DNSKEY 257 3 8 AwEAAbqwEkHNxd9uZ7p04NZUWLQA1UqkdPaA2yua+8p+q7FP9RhiRwrj PqL01BeISu882ZxXhFicMCTdghGMEJ66037CfeF3u1o7mePIXgodBUT
+Y0ZeElBf0TTwP8z1JKR2dCgh/pnGMHCpL1H6NrF1F0bM2A2H4Sft3uM gjt6sRwihkrKEfsGyhHVvdgQj+pxbUUKqnIcu8mqL6xtnmWd5prHVo0U
VcHuG3BfrD0u8Mu987H00CY4Rv13gW5usaS5VJskhzuNxq6s80SBmuaT LyGLmsk/k9TFPW7WGLmP4EQ00sNuy+k0RMKldQomKcpv6LSTMBjnJhzV WfzVyYSIRBU=
jkr.gov.my. 3526 IN DNSKEY 256 3 8 AwEAAByBR0s1yKA1pbFmf8xdCmCgwfi4KCbWxf2vYn3y8agZhwL74dL1 VK0Dp4uR1tsz/sDXL/8h/w43Z9oz0Pgy2HPpyrDyToMmZ66PuH7ZU+T9
zhDJR16U4d0rL8xGVSpEcNd0RcXD0R3mP9gx0yyeZy/3sWQ1K3M1nxT0 0NjIe5n/
```

DNSSEC_VALIDATION

```
; fully validated
jkr.gov.my. 3526 IN SOA dns1.gitn.net.my. root.dns1.gitn.net.my. 2026052228 10800 3600 604800 38400
jkr.gov.my. 3526 IN RRSIG SOA 8 3 3600 20260712102651 20260612092651 46011 jkr.gov.my. rBwvmtaHuCaAQJpwzPg+qH1ku02YcSEyhUXMxUSQU75Cvov0QA7M04x
AbrNsFrihSKXpkt5HZ/WrAtEDB+qIIA/FYCqdbsdFDW0spW0o4d1zTCG o0u0F8ri+iSf04740GL7V/HRatMwCG1Sh0rNLyZKZhKJNXTLWY0Wu2km Bg8=
```


TLS Handshake Evidence

IPV4 Connection

Table with 2 columns: IP Used (110.159.246.128), 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 = Kuala Lumpur, L = Kuala Lumpur, O = Jabatan Kerja Raya, CN = *.jkr.gov.my
verify return:1
CONNECTED(00000010)
...
Certificate chain
0 s:C = MY, ST = Kuala Lumpur, L = Kuala Lumpur, O = Jabatan Kerja Raya, CN = *.jkr.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 20 01:27:46 2025 GMT; NotAfter: Sep 21 01:27:45 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGTCCBYGgAwIBAgIMQ0bCbTq1Ebfo/BnmMA0GCSqGSIb3DQEBwUAMFAxCzAJ
BgNVBAYTAkZFRMRkFwYDVoQkExBHBG9iYXwTaWduIG52LXNhMSYwJAYDVQQDEExl
bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9i
NjA5MjEwMTI3NDVhMg8xZCZAJBgNVBAYTAkZFRMRkFwYDVoQkExLWwvZm9udG91
dXkiXjF0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWdu
YSBSYXl0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0
S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0
bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9i
A4IBDwAwggEKAoIBAQE50kr7DaW209iaNacmruem9i+RKZYhRvJA9dPm8wDK9K
RT3z0fUwz9nbeSBluggL55aFdtc8xdnem9BbZ1fLsQ9RFHU0QyKjfd09doX/blP+
6150kNIM/mkqkqgoQeBowSnDRJEWs5CzV8+NffHeurojBfiT74pZFA2WA60Tevj
uRrJMn8rs6DsvZ4QEwFLEWmQfZyPouNGKkJydu3BvSpL1R+tGWNshb7cDt09BaS
x07RivcgrNnkMxQpKB8N0L/dJ8BEkmLNgIjfrI3bGKJPJw1sB8I4Pkk3nmEdmr1
pv/EbndVm5PX+YaKi0hFHIkBrU03UIHea0F5QR+tAgMBAAGjggNSMIIDTjA0BgNV
HQ8BAf8EBAMCBaAwDAYDVR0TAQH/BAIwADCBjgYIKwYBBQUHAQEgYEWfzBEBggr
BgEFBQcwAoY4aHR0cDovL3NlY3VyZS5nbG9iYXwTaWduLmNvbS9jYWNlcnQvZ3Ny
c2FvdnNhbG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0
S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0
bHhNpZ24uY29tL2dzc2Zzc2Zzc2YjYjYjYjYjYjYjYjYjYjYjYjYjYjYjYjYjYjYj
ARQwNDAYBggrBgEFBQcCARYmaHR0cHM6Lm93d3cuZ2xvYmFsc2lnbi5jb20vcmlw
b3NpdG9yeS8wCAYGZ4EMAQICMDEGA1UdHwQ0MDYwNKAYoDCLm0dHA6Lm9jcmwv
Z2xvYmFsc2lnbi5jb20vZ3Nyc2FvdnNhbG9iYXwTaWduIFJ0S0B0bG9iYXwTaWdu
K15qa3IuZ292Lm15gppqa3IuZ292Lm15MB0GA1UdJQ0wMBQGCCsGAQUFBwMBBggr
BgEFBQcDAjAfbG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWdu
FgQULXLeX1A3P0HvAYHjHm/0ULZuvCYwggY+BgorBgEAdZ5AgQCBIIBBg5CAW0B
aAB3AJROQ4f67MHVgfmZJCaGGUBx9Nf0AIBP3JnfvU3LhYAAABMUIW7j8AAAQD
AEGwRgIhAnozQM52LAg6u8e9okuJQmDIky+g74a0KwGLeouN0JL3AiEA/sS5xf+0
mwiXMEopfyP7BM41R7sD9rb4diWCw3UeIuYAdgCsqzBwb0vshD0E9L0kV8RHkIk
Q7HYpoxPPCs7px4CwwAAAZjFFu41AAEAwBHEUIC0C0zAmeb3hh8NwsSk0pCaU
pOIGWshsE10+xfTbcq9XNAIgyZna0EBEPCM77q9Dk90PE3E1M6wY+m+fdMFG
RTYAdQDCMX5XRRmjRe5/0N6ykEHrx8Ihwik/f9W1rXaa2Q5S2QAAAZjFFu4RAAAE
AwBMEQCIEIvK0Q8DIqn7JyrC8Q1qwbpAizKmonndRndEppMpz4vAiBkuQgdC2Mi
vhvAg+cgV66eIxJR22kELw+mSng98aCD6TANBgkqhkiG9w0BAQsFAAQAQEAJr9M
d9tKhkF+70Zcb4W0qh2g2VGGi5sk5MS9aRenuwfzAw9nTK53woA9o/D2MQv0ITe
052kEg0tTVB/SpDf8gw0IhJrVn9vqly4ZqL088oJCIEbHdGf2qrpUH++PcwYm8t6
41zLJeNrn3+C/CR1RbymhRNYK03c0X4EkysbsMr/HayPKJSrJLm10VLbfb2+nQhV
00ddCB3YkRpmDHSgP1wanj3X+JYRzR18sK0kqg8Bm5/3DwDyajkc5Wh3MmsVbA
534VC1GEZCrkzBHW4B0THC4UAPyHUXyFwiJrN6baPQXSFzFz26HNP/V2/yyi1f0g
vsWduI37q7IybGckrg==
-----END CERTIFICATE-----
1 s:C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
i:O = GlobalSign Root CA - R3, O = GlobalSign, CN = GlobalSign
a:PKKEY: 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
HgYDVQQLExdHbG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWdu
U2lnbjETMBEGA1UEAxMKR2xvYmFsc2lnbi5jb20vcmlwYm91dG91dXkiXjF0S0B0bG9i
MjEwMTI3NDVhMg8xZCZAJBgNVBAYTAkZFRMRkFwYDVoQkExBHBG9iYXwTaWduIG52
LXNhMSYwJAYDVQQDEExlHbG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9i
DQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAAKdaydUMGCEAI9WXD+uu3Vxoa2uP
UGATeoHLl+60imGUSyZ59gSknvuk2la77qCk8HuK1UfR5NhdW5xUtoLJAgvj0H3
idaS6+zp28w7bXfIa7+9UQX/dhj2S/TgVprX9NhSzyqzskeU8fy7quRU6fBhm
ab01IFkXInDY+YuRluqLJBjDrnw9UqhCS98NE3QvADFLV5B6i0BDx5EPouVq1
lVW9MdIbPYa+oewNEtssmSstR8JvA+Z6cLVzM0nLkMwjsIYPJLJLnVbHbWk0Cq
o8V5++XFBdZpaFwGueSR1eGKDKFNm5K0CompFmv73W+eka440eKHRwup08CAwEA
AaOCASkwggELMA4GA1UdDwEB/wQEAwIBhjASBgNVHRMBAf8ECDAGAQH/AgEAMB0G
A1UdGgQWBBT473/yZxhnqN5vjySNiPGHAWKz6zAfbG9iYXwTaWduIFJ0S0B0bG9i
YXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXw
TaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaW
duIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIF
J0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0
B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9i
YXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXw
TaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaW
duIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIF
J0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0
B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9i
YXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXw
TaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaW
duIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIF
J0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0
B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9i
YXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXw
TaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaW
duIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIF
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J0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0B0bG9iYXwTaWduIFJ0S0
B0b
```

```

b20vcmVwb3NpdG9yeS8wDQYJKoZIhvcNAQELBQADggEBAJmQYCF1QorUC2bbmANz
EdSIh1IoU4r7rd/9c446ZwTbw1MUCBQJfMPg+Nccm8qixD7b6QDjynCy8SIwIVbb
0615XoFYC20UgDX1b10d65pHBf9ZjQCxQnQmJYaumxtf4z1s4dfjGRzNpZ5eWl0
6r/4ngGPoJvPjemEuunl1Iig423g7mNA2eymw0LIYkN5S0wCuaiFIFJ6GLazhgDEw
fpoLu4usBC0mmQDo8dIm7A9+04orkjgTHY+GzYZSR+Y0fFukAj6KYXwidlNaLFMz
hriSqHkVoflShx8xpfywgVcvzfT03PYkz6fiNJBonf6q8amaEsybwMbdqKwIX7e
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:PKKEY: 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
A1UECxMXR2xvYmFsU2lnb290IENBIC0gUjMxZzARBgNVBAoTCKdsb2JhbFNP
Z24xEzARBgNVBAMTCkdsb2JhbFNPZ24wHhcNMMDkwMzE4MTAwMDAwWhcNMjkwMzE4
MTAwMDAwWjBMMSAwHgYDVQQLExdHbG9iYXN0eWwvIFJvb3Q0EgLSB5S5MzETMBEG
A1UEChMKR2xvYmFsU2lnb290IENBIC0gUjMxZzARBgNVBAMTCkdsb2JhbFNPZ24w
HhcNMMDkwMzE4MTAwMDAwWhcNMjkwMzE4MTAwMDAwWjBMMSAwHgYDVQQLExdHbG9i
YXN0eWwvIFJvb3Q0EgLSB5S5MzETMBEGA1UEChMKR2xvYmFsU2lnb290IENBIC0g
ZIhvcNAQELBQADggEPADCCAQoCggEBAMwldpB5BngiFvXAg7aEyiie/QV2EcWtiHL8
RgJDx7KKnQRfJMsuS+FggkbhUqsMgUdwbN1k0ev1LKMPgj0MK66X17YUhhB5uzsT
gHeMCOFJ0mpiLx9e+pZo34knltiFbtC+yCSmWQ1z3rDI6SY0gxXG71uL0gRgkmm
KPZp0/bLyciR5Z2KYVc3rHQU3HTg0u5Ly6c+9C7v/U9A0EGM+iCK65TjpwC4zd
QQ4g0sC0p6Hpsk+QLjJg6VfLuQSSaGj10CZgdbKfd/+RFO+uIEEn8rUAVSNECMWEZ
XriX7613t2Saer9fwrPvm2L7DWzgvGkKwQPabumDk3F2xmmFghcAwEAAaNCMEAw
DgYDVR0PAQH/BAQDAgEGMA8GA1UdEwEB/wQFMAMBAf8wHQYDVR00BBYEFi/wS3+o
LkUkrk1Q+m0ai97i3Ru8MA0GCSqGSIb3DQEBCwUAA4IBAQBLOnVAUKr+yAzv95ZU
RUm7LgAJQayzE4aGKAczymvmdLm6AC2upArT9fhxD4q/c2dKg8dEe3jgr25sbwMp

```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	110.159.246.128
Connect Time	41.4 ms
TTFB	629.01 ms
Total Time	629.12 ms

Response Headers:

```
{
  "0": "HTTP/1.1 302 Found",
  "1": "Date: Fri, 12 Jun 2026 16:48:31 GMT",
  "2": "Server: Apache",
  "3": "Via: 1.1 3Ps.jkr.gov.my (Access Gateway-ag-C23AB777ECEF2CDD-44300873)",
  "4": "Location: https://3Ps.jkr.gov.my/",
  "5": "Content-Type: text/html; charset=iso-8859-1",
  "7": "HTTP/1.1 200 OK",
  "8": "Date: Fri, 12 Jun 2026 16:57:26 GMT",
  "9": "Expires: Thu, 19 Nov 1981 08:52:00 GMT",
  "10": "Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
  "11": "Pragma: no-cache",
  "12": "Content-Type: text/html; charset=UTF-8",
  "13": "Set-Cookie: PHPSESSID=v1ru2sa3adaqu4tlhne432fd67; path=/",
  "14": "Vary: Accept-Encoding",
  "15": "Cache-Control: no-store",
  "16": "Cache-Control: no-cache",
  "17": "Set-Cookie: ZNPC0003-32393500=f6039fb9; Path=/; Domain=.jkr.gov.my",
  "18": "Via: 1.1 3Ps.jkr.gov.my (Access Gateway-ag-C23AB777ECEF2CDD-44300881)",
  "19": "Set-Cookie: TS01bb5e7e=01e5bb7bf0f3300f8955607958891d213f5d0886521bbad5327c6c3475a13f01277375a6a7c597f31278efb42069760685ba61dc497d411899cd7c8053e1276661178d5e25; Path=/",
  "20": "Set-Cookie: TS01b5eb0f=01e5bb7bf04b392dc3c49f81c6c65ce24eddd9be1bbad5327c6c3475a13f01277375a6a7b1fb990d3572375553a11e46c0ef6fb255504f6c8a8e6cbb47556261d2d549; path=/; domain=.jkr.gov.my",
  "21": "Transfer-Encoding: chunked"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	110.159.246.128
Connect Time	19.8 ms
TTFB	110.47 ms
Total Time	110.52 ms

Response Headers:

```
[
  "HTTP/1.1 200 OK",
  "Date: Fri, 12 Jun 2026 16:57:26 GMT",
  "Expires: Thu, 19 Nov 1981 08:52:00 GMT",
  "Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
  "Pragma: no-cache",
  "Content-Type: text/html; charset=UTF-8",
  "Set-Cookie: PHPSESSID=b4g4umqenchr65vk0i57bool4; path=/",
  "Vary: Accept-Encoding",
  "Cache-Control: no-store",
  "Cache-Control: no-cache",
  "Set-Cookie: ZNPC0003-32393500=f6039fb9; Path=/; Domain=.jkr.gov.my",
  "Via: 1.1 3Ps.jkr.gov.my (Access Gateway-ag-C23AB777ECEF2CDD-44300884)",
  "Set-Cookie: TS01bb5e7e=01e5bb7bf0e0fbb5369e9d98308581806c7d5f9b271cf8d336e1844236f05841c76ee0d11c44c75f31bc2a36e550e3a78afe37ad4e716801d9007df6f9379e2b32bf6b118; Path=/",
  "Set-Cookie: TS01b5eb0f=01e5bb7bf0b0f1a86043c748f842270d8d2cb140d91cf8d336e1844236f05841c76ee0d110c9754ff6ebc638b79f068ee62d6951e00d774602031a13c2cc4844847594086; path=/; domain=.jkr.gov.my",
  "Transfer-Encoding: chunked"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	302 0.020294 0.043149
TCP Connect IPv4 → port 443	200 0.019322 0.136623

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
```