IPv6 Readiness Report

jdn.gov.my — jdn.gov.my

Scan to verify

Category: Government • Generated: 02 Nov 2026, 03:12 MYT • Last Checked: 08 Aug 2026, 18:22 MYT • Verification ID: 6dfd4cbd-2888-47f2-8fee-c71a6f8969c8
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/6dfd4cbd-2888-47f2-8fee-c71a6f8969c8

⚠
Partially Compliant
MGv6C-1.0

60%
Partial Support

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

IPV4 ADDRESSES
163.53.155.127

Network Information (WHOIS / RDAP)

	IPv4 Network
Organization	GITN Sdn Bhd
Country	MY
ASN	AS141201
ASN Name	JDN-AS-MY - Jabatan Digital Negara (JDN), 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	**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	163.53.155.127
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4 — 1426ms TTFB.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4 — 80ms TTFB.

Audit Trail & Evidence Record

Verification ID	6dfd4cbd-2888-47f2-8fee-c71a6f8969c8
Domain	jdn.gov.my
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:22:46 MYT
Finished	08 Aug 2026, 18:22:57 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/6dfd4cbd-2888-47f2-8fee-c71a6f8969c8

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	d5ff2f10f464e4bf6c9ab4d19fd68bf284d98c563a00e33b211637fd4951ba5b
http_headers	d3df25528c8b44975432531c01f3d65a96b4ace73291a6963a9da5e9135113d5
dns_responses	eee74625400a1fca0cdab65f419d001412c334acfcf5092cbe17a4536fa3e40b
tls_handshake	331e896a189a44f6503240afa5c4330790455956a42cb974eb110e26003d77a3
connectivity_log	3a170049cc3a2e445877a69571a287184e54c25e128614f5f42e89cfdca17245
dns_resolution_times	84b21353b87fa963afe6e7664574a18bd8f1adc42d4ef883ee644f950390dd4b

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	24.08	24.59	22.71	23.88	-1.4
Google	IPv4	82.23	162.55	163.62	170.26	+81.4
Google	IPv6	157.06	162.23	170.16	174.29	+13.1
Cloudflare	IPv4	22.81	24.23	22.87	23	+0.1
Cloudflare	IPv6	46.21	549.88	49.28	49.96	+3.1

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 30145
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jdn.gov.my.□□3600□IN□A□163.53.155.127
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 55950
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jdn.gov.my.□□59312□IN□DS□39895 8 1 B1998968F00FA1E0C9C655E3568EE3798D094E9A
jdn.gov.my.□□59312□IN□DS□39895 8 2 94A9546B932F571D810A040EC8B8218AE1BA93B888D0E35E1510AB81 A9ED014E
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 1923
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jdn.gov.my.□□300□IN□MX□5 alt2.aspmx.l.google.com.
jdn.gov.my.□□300□IN□MX□5 alt1.aspmx.l.google.com.
jdn.gov.my.□□300□IN□MX□10 alt4.aspmx.l.google.com.
jdn.gov.my.□□300□IN□MX□1 aspmx.l.google.com.
jdn.gov.my.□□300□IN□MX□10 alt3.aspmx.l.google.com.
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 8381
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

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

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 18131
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 12, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jdn.gov.my.□□3600□IN□TXT□"_globalsign-domain-verification=hMQSKbT6x1eBt6nZdqTR5tF54KxD0e1TPMSkeb4WAu"
jdn.gov.my.□□3600□IN□TXT□"google-site-verification=Ih_Xta9p38kBgfvCUNmI8ZMDShGuIydvuF2Q3Kk19FY"
jdn.gov.my.□□3600□IN□TXT□"_globalsign-domain-verification=gusFb4Sx-eyEUMV8eSE_2gW5Qk3bMm4G-4BxV4FP2p"
jdn.gov.my.□□3600□IN□TXT□"_globalsign-domain-verification=CpQH0gky_wRvHJfaRCV9rykAGb7yc8yKRuaCxT7UBE"
jdn.gov.my.□□3600□IN□TXT□"JI5IMrnfvBi9kFBpCirFfkvCYjvme/VXyYHlf3YcRDc="
jdn.gov.my.□□3600□IN□TXT□"_globalsign-domain-verification=p2qKPtorNsreKO4znk2rSRTBWbf-vNoZ90Dia4Lpn2"
jdn.gov.my.□□3600□IN□TXT□"v=spf1 ip4:103.156.83.32/29 ip4:103.8.147.12/30 ip4:150.242.183.0/28 include:_spf.google.com ~all"
jdn.gov.my.□□3600□IN□TXT□"HxZVT06P3P8+L/EN9Ymg/Bti76XK9NmJ6u66asdUoa4="
jdn.gov.my.□□3600□IN□TXT□"_globalsign-domain-verification=jKYHNqOEXhEGUSbEXXRRAS7W1QidR9KXz3BvZ57rtQ"
jdn.gov.my.□□3600□IN□TXT□"sWLrnGQEDcxTNDi8E8tuWcwQhaPamLwPUizDfTWeXKs="
jdn.gov.my.□□3600□IN□TXT□"_globalsign-domain-verification=ZaeIdf8bPEct7tJQ0p06LKLDbjrgj_B29F9oouU_A_"
jdn.gov.my.□□3600□IN□TXT□"google-site-verification=kg1mDjxfuE5Wp44vpQoUcMaDDx9Q_htIzJtupJ1Lq3o"
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 10116
```

```
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
jdn.gov.my.□□3600□IN□SOA□dns1.gitn.net.my. planning.gitn.com.my. 2026080332 10800 3600 604800 38400
```

RRSIG

```
dns1.gitn.net.my. planning.gitn.com.my. 2026080332 10800 3600 604800 38400
SOA 8 3 3600 20260907053934 20260808043934 41338 jdn.gov.my. LOBaxBFbzAxdp1IhBi1eVvce2yoBCa6cfyEB6sd0TMb+esBUGv4Fepb/
7KXyOwL2pabFwcCjSQ7NNFFWxD9dlYLf2wEmL5jdOyPGbcjY43uOg1q1 YvBUk2h5QeFFJJZt7+NYtt+sN7PMQQoGj45ZsPuPuQSlbGMJyZtWf48J s5g=
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 37885
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
jdn.gov.my.□□3597□IN□DNSKEY□256 3 8 AwEAAcUBY1N98zKGZbKanTgTyGPux+wV6Dg+vnCjNZGQfd4izGr0F1JB RexSycRtm9hhVfSH+fhn3mpImPYoTKJhZdFqJgF26bM1J2pEQ9Nz7j6Q
INAka7OxwRr5P+gdzpvRmvEw6H5KcrdZuqindf8uSSKQv/YvITL/FpIS 9Pc95Zo/
jdn.gov.my.□□3597□IN□DNSKEY□257 3 8 AwEAAcAlpxpjmk5ZVtmR2L0jjZ2JLtq+PteykrMkBK4C/Lb5EkMhXw2x dsY52B20quUdh7ofYW+nihZ02FXKtEks/GoqViqrDgacYKAmfQRPZNWF
rl8bJZ1HWMk1tKjceCd+tC2/z7mgp8EDX7OrmKvQG50FvCwgqWkDyykW GnDHqK7eVQk9meNzBYIxGyhY8SMYY0l/DDYmDWR3V+PqnSCqKAVl/68n
s5t5ZigKEeGBhDIG/rtOzaijXocGWpgTdejN+ule1lxFaG6JF13jMPVa 6Wd12rtlKqHgr1qEatbzndIAmXgFDERLaRxNobxsLDNbmBlImno7xLpA Ox2Xk643d6U=
```

DNSSEC_VALIDATION

```
; fully validated
jdn.gov.my.□□3597□IN□SOA□dns1.gitn.net.my. planning.gitn.com.my. 2026080332 10800 3600 604800 38400
jdn.gov.my.□□3597□IN□RRSIG□SOA 8 3 3600 20260907053934 20260808043934 41338 jdn.gov.my. LOBaxBFbzAxdp1IhBi1eVvce2yoBCa6cfyEB6sd0TMb+esBUGv4Fepb/
7KXyOwL2pabFwcCjSQ7NNFFWxD9dlYLf2wEmL5jdOyPGbcjY43uOg1q1 YvBUk2h5QeFFJJZt7+NYtt+sN7PMQQoGj45ZsPuPuQSlbGMJyZtWf48J s5g=
```

TLS Handshake Evidence

IPV4 Connection

IP Used	163.53.155.127
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 = SELANGOR, L = SEPANG, O = JABATAN DIGITAL NEGARA, CN = www.jdn.gov.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:C = MY, ST = SELANGOR, L = SEPANG, O = JABATAN DIGITAL NEGARA, CN = www.jdn.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 17 02:41:02 2025 GMT; NotAfter: Aug 18 02:41:01 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGlDCCBXygAwIBAgIMFQ6DvMpmWwZRjF4AMA0GCSqGSIb3DQEBCwUAMFAxCzAJ
BgNVBAYTAkJFMRkwFwYDVQQKExBHbG9iYWxTaWduIG52LXNhMSYwJAYDVQQDEx1H
bG9iYWxTaWduIFJTQSBPViBTU0wgQ0EgMjAxODAeFw0yNTA3MTcwMjQxMDJaFw0y
NjA4MTgwMjQxMDFaMGsxCzAJBgNVBAYTAk1ZMREwDwYDVQQIEwhTRUxBTkdPUjEP
MA0GA1UEBxMGU0VQQU5HMR8wHQYDVQQKExZKQUJBVEFOIERJR0lUQUwgTkVHQVJB
MRcwFQYDVQQDEw53d3cuamRuLmdvdi5teTCCASIwDQYJKoZIhvcNAQEBBQADggEP
ADCCAQoCggEBAL22pnIvNfSg+N17fuHw6j+CoEUBz4ZHX6ozFavqyL6aPNjqXSGX
DQaXaKpqQ8K2jvDCW5hgHSS6vT1MLSi7UTeRKVDrS+03NRnoTKlT94UHQdm2pOWo
aBAaV3gpZYV94WfgcXiTnsu2c26U3+g6c8iBbMzSi5H71p3FDIQ6aXzGN/h6UCV6
pLER6YqOrigven/OSvpiV/20lbJfQtnf4U0/I/XfmPl2iYgITKTQQ9vZtknz8olK
pLzfGdSs1Qw2OshP82mdF9OPUpX/1C4lmgNd8sF4qKZ7BlywpPiwgnHBui2hn7sC
yDiPOMhB1kPi5XdbnWeD1q0BCG/Fy15lrTUCAwEAAaOCA1EwggNNMA4GA1UdDwEB
/wQEAwIFoDAMBgNVHRMBAf8EAjAAMIGOBggrBgEFBQcBAQSBgTB/MEQGCCsGAQUF
BzAChjhodHRwOi8vc2VjdXJlLmdsb2JhbHNpZ24uY29tL2NhY2VydC9nc3JzYW92
c3NsY2EyMDE4LmNydDA3BggrBgEFBQcwAYYraHR0cDovL29jc3AuZ2xvYmFsc2ln
bi5jb20vZ3Nyc2FvdnNzbGNhMjAxODBWBgNVHSAETzBNMEEGCSsGAQQBoDIBFDA0
MDIGCCsGAQUFBwIBFiZodHRwczovL3d3dy5nbG9iYWxzaWduLmNvbS9yZXBvc2l0
b3J5LzAIBgZngQwBAgIwYgYDVR0RBFswWYIOd3d3Lmpkbi5nb3YubXmCEmluc2lk
ZXIuamRuLmdvdi5teYITc3RhbmRhcmQuamRuLmdvdi5teYISbXlnb3ZlYS5qZG4u
Z292Lm15ggpqZG4uZ292Lm15MB0GA1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcD
AjAfBgNVHSMEGDAWgBT473/yzXhnqN5vjySNiPGHAwKz6zAdBgNVHQ4EFgQUuP/3
XkqjwqZr0YdRl97w1Ky2GdwwggF/BgorBgEEAdZ5AgQCBIIBbwSCAWsBaQB2AJRO
Q4f67MHvgfMZJCaoGGUBx9NfOAIBP3JnfVU3LhnYAAABmBZB0ksAAAQDAEcwRQIh
ALsvacWn/adU2nZUf43K/7/IdZEL9GKJvMcRhlxL57U9AiBcBvQgQRMCIudp9Asq
DNkHRsvXDA6PrfeTZapUoMgm7QB3AMs49xWJfIShRF9bwd37yW7ymlnNRwppBYWw
yxTDFFjnAAABmBZB0KkAAAQDAEgwRgIhAPdTYnc7I/T76+4qEVV5BP+qhq7EYuti
VuOXtHtodzTeAiEA2yUGLG9Iobf48IgVvhN6yaL43Dqd3oKJ/eNYj6EJuRsAdgDC
MX5XRRmjRe5/ON6ykEHrx8IhWiK/f9W1rXaa2Q5SzQAAAZgWQdIkAAAEAwBHMEUC
IQCtndpb89dLOI2Pg9AiMhVqYYkAuFvona7HdHX16p7GeQIgPjY60Kenv7AM9Ehm
FNURaskvo7ryZ8Y4EyZ6tcLVgFMwDQYJKoZIhvcNAQELBQADggEBAGgnNpnIprt1
IdHeiLE9v5XCfGQI6aVr5ubx3ZI/Vd6farpcJvNwa2X5nMIKqcNv/aYVmVZTFAN7
jzA8npUfqeLunjP6zywU2iYN1YyuhDHKiYf2ER1tL4c/JRbje/g6eJd4ZR2iLsGQ
zZE8/mFktnDo6Psbm1NnwuScNTgr/i4777RTWvoPAKNXLPtK7TPQibUZMXjFzpVn
4ihdtPv9vs+qMKYP+gItgxRBBkIeO+efcoQpJfGzPvJ5LqhTY/yUO1YecpxWJgCI
1igL3lZo2wFCEA19rBYWedGIdxVjnRp583raIDODZckKxSr4DWFYpth5LblBSofi
VoeTs3Yt6QA=
-----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
abOlIFkJXinDY+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
RUm7lgAJQayzE4aGKAczymvmdLm6AC2upArT9fHxD4q/c2dKg8dEe3jgr25sbwMp
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	163.53.155.127
Connect Time	35.47 ms
TTFB	100.95 ms
Total Time	101.14 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Server: openresty",
    "2": "Date: Sat, 08 Aug 2026 10:22:56 GMT",
    "3": "Content-Type: text/html",
    "4": "Content-Length: 166",
    "5": "Connection: keep-alive",
    "6": "Location: https://jdn.gov.my/",
    "8": "HTTP/2 301",
    "9": "server: openresty",
    "10": "date: Sat, 08 Aug 2026 10:22:56 GMT",
    "11": "content-type: text/html; charset=UTF-8",
    "12": "location: https://www.jdn.gov.my/",
    "13": "set-cookie: __wpdm_client=b53268a5b260d34f1133a9c99f7ba87b; path=/; domain=www.jdn.gov.my; secure; HttpOnly",
    "14": "set-cookie: tablesome_redirect_token=2K8h1NGIZfnSjsvLnZXPM2DPVPA5FYa7; path=/; secure",
    "15": "permissions-policy: private-state-token-redemption=(self \"https://www.google.com\" \"https://www.gstatic.com\" \"https://recaptcha.net\"
\"https://challenges.cloudflare.com\" \"https://hcaptcha.com\"), private-state-token-issuance=(self \"https://www.google.com\" \"https://www.gstatic.com\"
\"https://recaptcha.net\" \"https://challenges.cloudflare.com\" \"https://hcaptcha.com\")",
    "16": "x-redirect-by: WordPress",
    "17": "strict-transport-security: max-age=31536000; includeSubDomains",
    "18": "x-frame-options: SAMEORIGIN",
    "19": "x-content-type-options: nosniff",
    "20": "referrer-policy: strict-origin-when-cross-origin",
    "21": "permissions-policy: geolocation=(), microphone=(), camera=()",
    "22": "content-security-policy-report-only: default-src 'self'; base-uri 'self'; object-src 'none'; frame-ancestors 'self'; form-action 'self' https:; script-src
'self' 'unsafe-inline' 'unsafe-eval' https: blob:; style-src 'self' 'unsafe-inline' https:; img-src 'self' https: data: blob:; font-src 'self' https: data:; connect-
src 'self' https: wss: blob:; frame-src 'self' https: blob:; worker-src 'self' blob:; media-src 'self' https: blob:; upgrade-insecure-requests;",
    "23": "cross-origin-resource-policy: same-origin",
    "24": "cross-origin-opener-policy: same-origin",
    "25": "cross-origin-embedder-policy: credentialless",
    "26": "x-cache: HIT",
    "27": "strict-transport-security: max-age=63072000; preload",
    "28": "x-served-by: jdn.gov.my",
    "30": "HTTP/2 200",
    "31": "server: openresty",
    "32": "date: Sat, 08 Aug 2026 10:22:57 GMT",
    "33": "content-type: text/html; charset=UTF-8",
    "34": "set-cookie: __wpdm_client=6f4cfb966992753f6b17f9da2859d825; path=/; domain=www.jdn.gov.my; secure; HttpOnly",
    "35": "set-cookie: tablesome_redirect_token=sXUnGuCKKAc7mIjaLKY4nnfX0tp3ykPU; path=/; secure",
    "36": "permissions-policy: private-state-token-redemption=(self \"https://www.google.com\" \"https://www.gstatic.com\" \"https://recaptcha.net\"
\"https://challenges.cloudflare.com\" \"https://hcaptcha.com\"), private-state-token-issuance=(self \"https://www.google.com\" \"https://www.gstatic.com\"
\"https://recaptcha.net\" \"https://challenges.cloudflare.com\" \"https://hcaptcha.com\")",
    "37": "link: <https://www.jdn.gov.my/wp-json/>; rel=\"https://api.w.org/\"",
    "38": "link: <https://www.jdn.gov.my/wp-json/wp/v2/pages/24770>; rel=\"alternate\"; title=\"JSON\"; type=\"application/json\"",
    "39": "link: <https://www.jdn.gov.my/>; rel=shortlink",
    "40": "x-tec-api-version: v1",
    "41": "x-tec-api-root: https://www.jdn.gov.my/wp-json/tribe/events/v1/",
    "42": "x-tec-api-origin: https://www.jdn.gov.my",
    "43": "strict-transport-security: max-age=31536000; includeSubDomains",
    "44": "x-frame-options: SAMEORIGIN",
    "45": "x-content-type-options: nosniff",
    "46": "referrer-policy: strict-origin-when-cross-origin",
    "47": "permissions-policy: geolocation=(), microphone=(), camera=()",
    "48": "content-security-policy-report-only: default-src 'self'; base-uri 'self'; object-src 'none'; frame-ancestors 'self'; form-action 'self' https:; script-src
'self' 'unsafe-inline' 'unsafe-eval' https: blob:; style-src 'self' 'unsafe-inline' https:; img-src 'self' https: data: blob:; font-src 'self' https: data:; connect-
src 'self' https: wss: blob:; frame-src 'self' https: blob:; worker-src 'self' blob:; media-src 'self' https: blob:; upgrade-insecure-requests;",
    "49": "cross-origin-resource-policy: same-origin",
    "50": "cross-origin-opener-policy: same-origin",
    "51": "cross-origin-embedder-policy: credentialless",
    "52": "x-cache: HIT",
    "53": "strict-transport-security: max-age=63072000; preload",
    "54": "x-served-by: www.jdn.gov.my"
}
```


IPv4 HTTPS (port 443)

HTTP Status	200

Connected IP	163.53.155.127
Connect Time	15.59 ms
TTFB	56.03 ms
Total Time	56.13 ms

Response Headers:


```
{
    "0": "HTTP/2 301",
    "1": "server: openresty",
    "2": "date: Sat, 08 Aug 2026 10:22:57 GMT",
    "3": "content-type: text/html; charset=UTF-8",
    "4": "location: https://www.jdn.gov.my/",
    "5": "set-cookie: __wpdm_client=b53268a5b260d34f1133a9c99f7ba87b; path=/; domain=www.jdn.gov.my; secure; HttpOnly",
    "6": "set-cookie: tablesome_redirect_token=2K8h1NGIZfnSjsvLnZXPM2DPVPA5FYa7; path=/; secure",
    "7": "permissions-policy: private-state-token-redemption=(self \"https://www.google.com\" \"https://www.gstatic.com\" \"https://recaptcha.net\"
\"https://challenges.cloudflare.com\" \"https://hcaptcha.com\"), private-state-token-issuance=(self \"https://www.google.com\" \"https://www.gstatic.com\"
\"https://recaptcha.net\" \"https://challenges.cloudflare.com\" \"https://hcaptcha.com\")",
    "8": "x-redirect-by: WordPress",
    "9": "strict-transport-security: max-age=31536000; includeSubDomains",
    "10": "x-frame-options: SAMEORIGIN",
    "11": "x-content-type-options: nosniff",
    "12": "referrer-policy: strict-origin-when-cross-origin",
    "13": "permissions-policy: geolocation=(), microphone=(), camera=()",
    "14": "content-security-policy-report-only: default-src 'self'; base-uri 'self'; object-src 'none'; frame-ancestors 'self'; form-action 'self' https:; script-src
'self' 'unsafe-inline' 'unsafe-eval' https: blob:; style-src 'self' 'unsafe-inline' https:; img-src 'self' https: data: blob:; font-src 'self' https: data:; connect-
src 'self' https: wss: blob:; frame-src 'self' https: blob:; worker-src 'self' blob:; media-src 'self' https: blob:; upgrade-insecure-requests;",
    "15": "cross-origin-resource-policy: same-origin",
    "16": "cross-origin-opener-policy: same-origin",
    "17": "cross-origin-embedder-policy: credentialless",
    "18": "x-cache: HIT",
    "19": "strict-transport-security: max-age=63072000; preload",
    "20": "x-served-by: jdn.gov.my",
    "22": "HTTP/2 200",
    "23": "server: openresty",
    "24": "date: Sat, 08 Aug 2026 10:22:57 GMT",
    "25": "content-type: text/html; charset=UTF-8",
    "26": "set-cookie: __wpdm_client=6f4cfb966992753f6b17f9da2859d825; path=/; domain=www.jdn.gov.my; secure; HttpOnly",
    "27": "set-cookie: tablesome_redirect_token=sXUnGuCKKAc7mIjaLKY4nnfX0tp3ykPU; path=/; secure",
    "28": "permissions-policy: private-state-token-redemption=(self \"https://www.google.com\" \"https://www.gstatic.com\" \"https://recaptcha.net\"
\"https://challenges.cloudflare.com\" \"https://hcaptcha.com\"), private-state-token-issuance=(self \"https://www.google.com\" \"https://www.gstatic.com\"
\"https://recaptcha.net\" \"https://challenges.cloudflare.com\" \"https://hcaptcha.com\")",
    "29": "link: <https://www.jdn.gov.my/wp-json/>; rel=\"https://api.w.org/\"",
    "30": "link: <https://www.jdn.gov.my/wp-json/wp/v2/pages/24770>; rel=\"alternate\"; title=\"JSON\"; type=\"application/json\"",
    "31": "link: <https://www.jdn.gov.my/>; rel=shortlink",
    "32": "x-tec-api-version: v1",
    "33": "x-tec-api-root: https://www.jdn.gov.my/wp-json/tribe/events/v1/",
    "34": "x-tec-api-origin: https://www.jdn.gov.my",
    "35": "strict-transport-security: max-age=31536000; includeSubDomains",
    "36": "x-frame-options: SAMEORIGIN",
    "37": "x-content-type-options: nosniff",
    "38": "referrer-policy: strict-origin-when-cross-origin",
    "39": "permissions-policy: geolocation=(), microphone=(), camera=()",
    "40": "content-security-policy-report-only: default-src 'self'; base-uri 'self'; object-src 'none'; frame-ancestors 'self'; form-action 'self' https:; script-src
'self' 'unsafe-inline' 'unsafe-eval' https: blob:; style-src 'self' 'unsafe-inline' https:; img-src 'self' https: data: blob:; font-src 'self' https: data:; connect-
src 'self' https: wss: blob:; frame-src 'self' https: blob:; worker-src 'self' blob:; media-src 'self' https: blob:; upgrade-insecure-requests;",
    "41": "cross-origin-resource-policy: same-origin",
    "42": "cross-origin-opener-policy: same-origin",
    "43": "cross-origin-embedder-policy: credentialless",
    "44": "x-cache: HIT",
    "45": "strict-transport-security: max-age=63072000; preload",
    "46": "x-served-by: www.jdn.gov.my"
}
```


Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.004150 0.008638
TCP Connect IPv4 → port 443	301 0.010032 0.037370

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
```