

IPv6 Readiness Report

kbs.gov.my — kbs.gov.my



Scan to verify

Category: Government • Generated: 04 Jul 2026, 22:39 MYT • Last Checked: 04 Jul 2026, 04:06 MYT • Verification ID: 70ffbc5c-0eee-4b96-bcab-2388a1a61acb

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

Audit trail: <https://ipv6.my6.my/audit/70ffbc5c-0eee-4b96-bcab-2388a1a61acb>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>46%</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: ✓ Ready</p>
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<p>IPv4 ADDRESSES</p> <p>202.75.6.253</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)	202.75.4.0/22

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%)				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%) 5 / 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	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%) 2 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	202.75.6.253
2	HTTP over IPv4	FAIL	HTTP is not accessible over IPv4.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 351ms TTFB.

Audit Trail & Evidence Record

Verification ID	70ffbc5c-0eee-4b96-bcab-2388a1a61acb
Domain	kbs.gov.my
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 04:06:10 MYT
Finished	04 Jul 2026, 04:06:49 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/70ffbc5c-0eee-4b96-bcab-2388a1a61acb

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	fa2ea6790716d391c96c43c698315d0d4b4fe7eeb15d40847fd192f4a62e2675
http_headers	bc5c27eba75e1815ce8cc6ec05e943e3d5efd6049b3e1cff5cfc48b44ffab4
dns_responses	3abf2e77ed7f8054ce6eda88b62729f3933db7dedb646921a8965a4713bf5e31
tls_handshake	a8cd8b02e3f6165d53a4706d7f2c6bd2ecf584e19c352e7ab374aea17b8a865d
connectivity_log	aed6eaf7253c73d1fc1679147579f1a0ee7541a85a9bdb25032b15c0365cd8a8
dns_resolution_times	180a608fb02f617b73ed1ecee6d2aab019fab074565bbb5879b7bb02c4711c4

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	8.3.32
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	10.27	23.78	22.51	22.99	+12.2
Google	IPv4	29.01	29.23	45.72	45.92	+16.7
Google	IPv6	41.94	43.04	37.71	48.09	-4.2
Cloudflare	IPv4	22.29	24.18	11.12	23.8	-11.2
Cloudflare	IPv6	48.24	50.92	23.15	48.89	-25.1

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 56393
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
kbs.gov.my. 00051800IN0S0A0dns1.gitn.net.my. root.dns1.gitn.net.my. 2026061954 3600 900 3600000 3600
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 9384
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
kbs.gov.my. 0008299600IN0DS035704 8 2 EFC0896BCA7730AF2FFABE58D0C1E7D2990AB94DAE4269AC84B7AE24 6D45531B
kbs.gov.my. 0008299600IN0DS035704 8 1 C53E39ECA042F572904E06C2DEB67B7F0951B50D
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 7413
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
kbs.gov.my. 00030000IN0MX010 alt4.aspmx.l.google.com.
kbs.gov.my. 00030000IN0MX05 alt1.aspmx.l.google.com.
kbs.gov.my. 00030000IN0MX05 alt2.aspmx.l.google.com.
kbs.gov.my. 00030000IN0MX01 aspmx.l.google.com.
kbs.gov.my. 00030000IN0MX010 alt3.aspmx.l.google.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 64176
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
kbs.gov.my. 00036000IN0NS0dns1.gitn.net.my.
kbs.gov.my. 00036000IN0NS0dns2.gitn.net.my.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 6406
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
kbs.gov.my. 00030000IN0TXT0"google-site-verification=ijt89L0ft-PhNeBtZVfkyD4rdU85XxeAni8fqx__Cus"
kbs.gov.my. 00030000IN0TXT0"MS=E24042AAA3B136D5C11F7E39C30D5AC0224D28F4"
kbs.gov.my. 00030000IN0TXT0"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: 63210
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
kbs.gov.my. 00051800IN0S0A0dns1.gitn.net.my. root.dns1.gitn.net.my. 2026061954 3600 900 3600000 3600
```

RRSIG

```
dns1.gitn.net.my. root.dns1.gitn.net.my. 2026061954 3600 900 3600000 3600
```

```
SOA 8 3 3600 20260802064102 20260703054102 1416 kbs.gov.my. c2lJgx/L7VrZzWX9wGqPyR65UWnNZ14JU9jCcE5v7+bQeJfvSh3fQes0
LdxyRh2cCIfdxwZ6320AnJ8Qg437cb5TLh0KlJwcNtT5dkwAoIk0q2cP Ix0rdeeso0/68ghtiQtxtPNA+igQTVlftsWq08L4KinmCdrEcSoQBqva W7M=
```

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 22865
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
kbs.gov.my. 3600 IN DNSKEY 257 3 8 AwEAAbMEcIMJAC331NDM8i5YpHrcd2c2INnAjdIHLgS+/M4Bda31s6uv wmsxe7+Bk0IiLZRiICMTXrrA56JYqZYNhg43JyGovHk63835+EZ9rMva
y60V01JUfMvXAf3RotnBKu5idLci0x2TH3KfxjC2eoU99H2E+HNLdSc /KX2ku4PYApsRvUsMVD3CdtXxeqU0tv5c5XLjIX+cwqV3v3F+uyVAWd5
Kt7V7CF8pyVVAiixY5+uuVokya/c0/iegFyc6Xki4oWlsZIJ8RZDBZ2Y kokJqH5ep5LC3q483bo2kPnIZg7kEcVdoE5cfy9gAjwCzcD03QnoN6G0 Pr6RRq0E9G0=
kbs.gov.my. 3600 IN DNSKEY 256 3 8 AwEAAbmXYTKf8YiZBTuo1yD9XtGcEi4P37A3jaXq160nv5bWZ9E4Cqg NIrPWSRsAIN1tFKy4nwdchU00s0tjCnlsKbJxDMqkSAD9B7Hf4UjByM
2koKp6TjRmQXlfNwXPSQDXBnKzs3VHfVsprVbisWfYgqMumuLJaoR9yk epkKGhA1
```

DNSSEC_VALIDATION

```
; fully validated
kbs.gov.my. 3600 IN SOA dns1.gitn.net.my. root.dns1.gitn.net.my. 2026061954 3600 900 3600000 3600
kbs.gov.my. 3600 IN RRSIG SOA 8 3 3600 20260802064102 20260703054102 1416 kbs.gov.my. c2lJgx/L7VrZzWX9wGqPyR65UWnNZ14JU9jCcE5v7+bQeJfvSh3fQes0
LdxyRh2cCIfdxwZ6320AnJ8Qg437cb5TLh0KlJwcNtT5dkwAoIk0q2cP Ix0rdeeso0/68ghtiQtxtPNA+igQTVlftsWq08L4KinmCdrEcSoQBqva W7M=
```


TLS Handshake Evidence

IPV4 Connection

IP Used	202.75.6.253
IP Version	4

```

depth=2 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
verify return:1
depth=1 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
verify return:1
depth=0 C = MY, L = Putrajaya, O = KEMENTERIAN BELIA DAN SUKAN, CN = www.kbs.gov.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
0 s:C = MY, L = Putrajaya, O = KEMENTERIAN BELIA DAN SUKAN, CN = www.kbs.gov.my
i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Sep 29 00:00:00 2025 GMT; NotAfter: Aug 29 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGnTCcBYWgAwIBAgIQCLTR2enEdq4L+nEi2F3NcTANBgkqhkiG9w0BAQsFADBg
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnYW50LmNlcnQuY29tMR8wHQYDVQDEZXHZZW9ucnVzdCBUTFMgU1NBIEBhIEcx
MB4XDTEiMDkyOTAwMDAwMFoXDTEiMDYyOTIzNTk1MDYwYDELMAKGA1UEBhMCTVxX
EjA0BgNVBAcTCVB1dHJhamF5YTEkMCIgA1UEChM5OVNURVJQU4g0kVMSUEg
REF0IFNVS0F0MRcwFQYDVQQDEw53d3cua2JzLmdvdi5teTCCASiWdQYJKoZIhvcN
AQEBBQADggEPADCCAQoCggEBAMK+EnWkQ+8ksvK4x5oC2d8Wg50Chv09rkLwiFVVI
VnoF8AQf9dQCiwPCBF65KpGd0k5Afb6qa0PKbH0a6PT87MYIL2K9+XIfr3LZGXx
0do7+fMwbW1F4nVx5PPI0sge1lK9mHj4t5gGF3en33rf5gZq91R9bRLKIWE0kXl
iULXqG0LHR8h5dCK2b8lswTYb4CeNs0HobMeunRjkEvofuL+H8qbod0xGMR0ULL
mq7jMMWb1Lm3ybAfuR7ujqz5i8osCptGfGayd/JgWjQZsep9FYW1n/QKnXQIXKds
USIKhg70LgpaQufCE+CTWbu9DwSXI Me3V39iJ5JUi4L5RoECAA0CA1EwggNN
MB8GA1UdIwQYMBAAwFJRP1F2L5KTIpoD+/dj5A0+vjvgJXMB0GA1UdDgQWBBCWdF/
ivhsNkPawV1uGoB2bGjodDB5BgnVHREESzBjgg53d3cua2JzLmdvdi5teYIXbWfS
YXlzaWZfc2cy9dHNSZWFndWUubXmCnDwcy5rYnMuZ292Lm15gg5yb3kua2JzLmdv
di5teTA+BgNVHSAENzAlMDMGMeBDAECAjApMCCGCCsGAQUFBwIBFhtodHRwOi8v
d3d3LmRwZ2JjZXJ0LmNvbS9DUFMwDgYDVVR0PAQH/BAQDAgWgMB0GA1UdJQQWMBQ
CCsGAQUFBwMBBggrBgEFBQcDAjA/BgNVHR8EODAMZD5gMqAwhi5odHRwOi8vY292
RwLmdlb3RydXN0LmNvbS9HZW9UcnVzdFRMU1JTTQUNBRzEuY3J5MhYGCcsGAQUFBwEB
B6GowaDAmBggrrBgEFBQcwAYYAHR0cDovL3N0YXR1cy5nZW90cnVzdC5jb20wPgYI
KwYBBQUHMAKGMh0dHA6Ly9jYWNlcnRzLmdlb3RydXN0LmNvbS9HZW9UcnVzdFRM
U1JTTQUNBRzEuY3J0MAwGA1UdEwEw/wCMAAwgG/BgorBgEEAdZ5AgQCBIIIBw5C
AAsBa0B2ANDtfrDRp/V3wsfpX9cAv/mCyTNaZeH0swFzF8DIxwL3AAAAMZm6mICa
AAQDAEccwRQIhAp2iFoMQvt8WqzPsnPa53zCnZhoVGEc7nTdnQhyz6y5AiBSsGDD
0r4E5G0qsZxv24NrFb7NQwts2qjHa4RJLYXuLQB3AMIxflDFGaNF7n843rKQ0evH
wiFaI r9/1bWtdprZDLNAAABmZm6MAAAQDAEgRwIhAlMLPRWEL/88+eUoLUms
VA5hBZoBeF5M0jvwLdBWU3BPAIEA7AFtYx0ulzDTIUIWagWFIN2NBeB1b3QZeb+J
LEAXhPAAdgCUTk0H+uzB74HzGS0mqBhLAcfTXzgcAT9yZ31Vny4Z2AAAAZmTepJQ
AAAEAwBHMEUCIQCPcVnVd7XJ0GLas/St0S0u54pWAlUQFNjblfZ5wg3AIGWrrd
R/8ZouPMu+Dr300bfMGj5l6fCxyG0jwHTSZA2IwD0YJKoZIhvcNAQELBQADggEB
Abw1bqLXTz1VM+R5JzqgnMwIVmEVuxNGs+xtT5kxqWmR5123w1uU30jznezCJ
MX1XsBFFK05d2BhoKvjkW1pVrHbu76gmX0BG6TrMkN8BKZ3WA2Mz4FvMawLAvmB
w2i0Nmx69/4MVfz6VzhvLkRBCzXwBarsYXvYfX5Bj0wVTv2LCfYqNvJabWfOh
FbIFLqzbUuL/nr4Dy24tPsr73EjJpLbfJn0o5RU9J0kE9gidTVN8XdnNPRz0c5q
y27hL3NQBqADch9HL+vAK57ouOG2ce7F9/PC2tqH4LQ+stjBPRILNhyMuzdr8id/Z
V6ZXRMsV1fcllTQYo0lJZag=
-----END CERTIFICATE-----
1 s:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Nov 2 12:23:37 2017 GMT; NotAfter: Nov 2 12:23:37 2027 GMT
-----BEGIN CERTIFICATE-----
MIIEjTCCA3WgAwIBAgIQDQd4Khm/xvmlcpbhMf/ReTANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnYW50LmNlcnQuY29tMSAwHgYDVQDEXdEawdpQ2VydCBHbG9iYWwUg9vdCBH
MjAeFw0xNzExMDYyOTIzNTk1MDYwYDELMAKGA1UEBhMCTVxXEjA0BgNVBAcTCVB1dHJ
MRUwEwYDVQQKEwEawDpQ2VydCBjbmMxGTAXBGNVBAsTEHd3dy5kaWdpY2YyY2Y5d3
b20xHzAdBgNVBAMTFkd1b1RydXN0IFRmYU5U0EgRzEwEgRzEwEgRzEwEgRzEwEgRz
D0EBAQAIAAIBDwAwgGKAAoIBAQC+F+jsviKky/65LWEL/TMKCDIUwEgh1Ngwvm4Q
yISgP7oU5d79eoy5G3v0hC3w/3jEmuipoH1fBtp7m0tTpsYbAhch4XA7rfu06whU
gajeErLVxoiWMPKC/DnUvbgj74BjmdBiUgHQ5d7LwsuXpTEGG9fYXcbTVNS5ATyQ
DfbbexYxTmWJW0Vb6lrbEgM3gBBqiiAiy800xu1Nq07JdCIQkBsNpFtzb1ZhsDS
fzLGWP4wEmBQ3067c+ZxkFr2DcRxBEtHam80Gp25Nhu02U5U7UesDL/xgLK6/0d7
6TnEVSUVJkz28VeZr+IUIlvoLrtjLbqgub0T30YXw+COU0kBAgMBAAGjggFAMIIB
PDAdBgNVHQ4EFQULe/UXYvKp0KmgP792PkA760+A1CwHwYDVROjBBgwFoAUTiJU
IBiV5uNu5g/6+rks70YXjzkWdYDVROPAQH/BAQDAgGMB0GA1UdJQQWMB0GCCsG
AQUFBwMBBggrBgEFBQcDAjASBgNVHRMBAf8ECDAGAQH/AgEAMDQGCCsGAQUFBwEB
BcgwJjAkBggrrBgEFBQcwAYYAHR0cDovL29jc3AuZGlnYW50LmNlcnQuY29tMEIGA1Ud
HwQ7MDkwN6A1oDOGMMh0dHA6Ly9jcmwzLmRwZ2JjZXJ0LmNvbS9EawDpQ2Y2VedEs

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	0
Connected IP	
Connect Time	0 ms
TTFB	0 ms
Total Time	8002.27 ms
Error	Failed to connect to kbs.gov.my port 80 after 8002 ms: Timeout was reached

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	202.75.6.253
Connect Time	13.31 ms
TTFB	375.33 ms
Total Time	375.47 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "server: nginx",
  "2": "date: Fri, 03 Jul 2026 20:06:44 GMT",
  "3": "content-type: text/html",
  "4": "content-length: 162",
  "5": "location: https://www.kbs.gov.my/",
  "7": "HTTP/2 301",
  "8": "server: nginx",
  "9": "date: Fri, 03 Jul 2026 20:06:44 GMT",
  "10": "content-type: text/html; charset=utf-8",
  "11": "location: https://www.kbs.gov.my/ms/",
  "12": "set-cookie: 3d5c4c221af1b313e88fb01053fc4cda=03ade4p8p94f6hf2qa8mcq81hg; path=/; secure; HttpOnly",
  "13": "x-xss-protection: 1; mode=block",
  "14": "x-content-type-options: nosniff",
  "15": "strict-transport-security: max-age=31536000",
  "16": "content-security-policy: ; frame-ancestors 'self'",
  "17": "x-frame-options: SAMEORIGIN",
  "18": "referrer-policy: strict-origin-when-cross-origin",
  "19": "cross-origin-opener-policy: same-origin",
  "20": "cache-control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
  "21": "expires: Wed, 17 Aug 2005 00:00:00 GMT",
  "22": "last-modified: Fri, 03 Jul 2026 20:06:44 GMT",
  "23": "pragma: no-cache",
  "24": "content-security-policy: default-src 'self' https: data: 'unsafe-inline' 'unsafe-eval'; frame-ancestors *;",
  "25": "x-content-type-options: nosniff",
  "26": "x-xss-protection: 1; mode=block",
  "27": "referrer-policy: no-referrer-when-downgrade",
  "28": "permissions-policy: geolocation=(self), camera=(), microphone=()",
  "29": "strict-transport-security: max-age=31536000; includeSubDomains; preload",
  "31": "HTTP/2 200",
  "32": "server: nginx",
  "33": "date: Fri, 03 Jul 2026 20:06:44 GMT",
  "34": "content-type: text/html; charset=utf-8",
  "35": "vary: Accept-Encoding",
  "36": "set-cookie: 3d5c4c221af1b313e88fb01053fc4cda=dvd147mkmmvddhl6n2uv5fos2s; path=/; secure; HttpOnly",
  "37": "x-xss-protection: 1; mode=block",
  "38": "x-content-type-options: nosniff",
  "39": "strict-transport-security: max-age=31536000",
  "40": "content-security-policy: ; frame-ancestors 'self'",
  "41": "x-frame-options: SAMEORIGIN",
  "42": "referrer-policy: strict-origin-when-cross-origin",
  "43": "cross-origin-opener-policy: same-origin",
  "44": "expires: Wed, 17 Aug 2005 00:00:00 GMT",
  "45": "last-modified: Fri, 03 Jul 2026 20:06:44 GMT",
  "46": "cache-control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
  "47": "pragma: no-cache",
  "48": "content-security-policy: default-src 'self' https: data: 'unsafe-inline' 'unsafe-eval'; frame-ancestors *;",
  "49": "x-content-type-options: nosniff",
  "50": "x-xss-protection: 1; mode=block",
  "51": "referrer-policy: no-referrer-when-downgrade",
  "52": "permissions-policy: geolocation=(self), camera=(), microphone=()",
  "53": "strict-transport-security: max-age=31536000; includeSubDomains; preload"
```

```
}

```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	000 0.000000 0.000000
TCP Connect IPv4 → port 443	000 0.005978 0.000000

Test Node Network Evidence

Node Profile	dual stack
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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
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
```