

IPv6 Readiness Report

allo.my — allo.my

Category: Telco • Generated: 21 Apr 2026, 18:56 MYT • Last Checked: 07 Mar 2026, 01:14 MYT • Verification ID: 2a5c595a-aa49-436b-9c9a-62c27330a7ab

Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>Audit trail: <https://ipv6.my6.my/audit/2a5c595a-aa49-436b-9c9a-62c27330a7ab>**Non-Compliant**

MGv6C-1.0

42%**Partial Support****IPv6-ONLY READINESS**Website: **X Not Ready**DNS: **✓ Ready**Email: **X Not Ready****IPv4 ADDRESSES**

202.168.69.152

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	ALLO TECHNOLOGY SDN. BHD.
Country	MY
ASN	AS45410
ASN Name	ALLOTECH-AS-MY ALLO TECHNOLOGY SDN. BHD., MY
Network (CIDR)	202.168.64.0/20

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	PASS	DNS queries answered over IPv6.
4	DNSSEC Validated	FAIL	DNSSEC validation failed or zone is unsigned.
5	Reverse DNS (PTR)	FAIL	No PTR record found.
6	DS Record at Parent	FAIL	No DS record at parent.
7	RRSIG Valid	FAIL	No valid RRSIG found.
8	Signing Algorithm	INFO	No DNSKEY record found.

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	DKIM selector found: selector1._domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 2 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	202.168.69.152
2	HTTP over IPv4	FAIL	HTTP is not accessible over IPv4.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 120ms TTFB.

Audit Trail & Evidence Record

Verification ID	2a5c595a-aa49-436b-9c9a-62c27330a7ab
Domain	allo.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:14:00 MYT
Finished	07 Mar 2026, 01:14:51 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/2a5c595a-aa49-436b-9c9a-62c27330a7ab

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	dda0a0dc2b2c00da553985d572d09eca950b80171dc2f9c7731d38a11b9be997
http_headers	fb9d3c484bec8fe490627deb16f41eab07ef3af0a1eb8a5766f333d369d56835
dns_responses	12c44d242c2992ade39233b59ca37ee7b7597f4a8dae5a2213572caa5f799bfb
tls_handshake	27ad5d00beadba20d6aef2708afb4bac336b88f74efb0f8f811a456251e20ba7
connectivity_log	94587b1d3d39746cbd3ded8b9a74e4597ebf28e74eb7ce6c9e42bc70899d9da4
dns_resolution_times	2c82795a8177a178c92731118d2e5ce0018e6ed336c6de2a08b76fc7392d6f43

Test Node Identity

Os	Linux srv1440888 6.8.0-101-generic #101-Ubuntu SMP PREEMPT_DYNAMIC Mon Feb 9 10:15:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.30
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	16.83	18.82	8.17	8.97	-8.7
Google	IPv4	20.04	38.77	18.82	23.18	-1.2
Google	IPv6	20.97	25	25.02	30.27	+4.1
Cloudflare	IPv4	9.93	18.01	8.99	19.04	-0.9
Cloudflare	IPv6	31.11	31.97	7.98	35.92	-23.1

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 49920
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
allo.my. 300 IN A 202.168.69.152
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 50314
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
my. 1771 IN SOA a.nic.my. hostmaster.nic.my. 2026018482 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 16453
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
allo.my. 14400 IN MX 0 allo-my.mail.protection.outlook.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 10871
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
allo.my. 21600 IN NS priscilla.ns.cloudflare.com.
allo.my. 21600 IN NS giancarlo.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 47534
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
allo.my. 300 IN TXT "google-site-verification=v5o3T1g9sWCPB6W_hD36p4GzvV6pvzgEzTaKcMLxqQ0"
allo.my. 300 IN TXT "globalsign-domain-verification=EC46CFDB587F59CB1716FE3BCBCE15D"
allo.my. 300 IN TXT "brevo-code:4fb3d4ff7afeeddac5f6cf5e0d7161c"
allo.my. 300 IN TXT "zoho-verification=zb38077532.zmverify.zoho.com"
allo.my. 300 IN TXT "MS=ms35364205"
allo.my. 300 IN TXT "v=spf1 include:enginemailer.org include:spf.protection.outlook.com include:spf-au.emailsignatures365.com ip4:202.168.69.139 include:_spf.salesforce.com include:_spf.mailersend.net ~all"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 35418
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
allo.my. 149 IN SOA giancarlo.ns.cloudflare.com. dns.cloudflare.com. 2398123322 10000 2400 604800 1800
```

RRSIG

```
giancarlo.ns.cloudflare.com. dns.cloudflare.com. 2398123322 10000 2400 604800 1800
```

DNSKEY

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 57370  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 512  
;; AUTHORITY SECTION:  
allo.my. 1800 IN SOA giancarlo.ns.cloudflare.com. dns.cloudflare.com. 2398123322 10000 2400 604800 1800
```

DNSSEC_VALIDATION

```
; unsigned answer  
allo.my. 1800 IN SOA giancarlo.ns.cloudflare.com. dns.cloudflare.com. 2398123322 10000 2400 604800 1800
```


TLS Handshake Evidence

IPV4 Connection

IP Used	202.168.69.152
IP Version	4

```
depth=2 C = US, ST = New Jersey, L = Jersey City, O = The USERTRUST Network, CN = USERTrust RSA Certification Authority
verify return:1
depth=1 C = GB, ST = Greater Manchester, L = Salford, O = Sectigo Limited, CN = Sectigo RSA Domain Validation Secure Server CA
verify return:1
depth=0 CN = *.allo.my
verify return:1
CONNECTED(00000010)
...
Certificate chain
0 s:CN = *.allo.my
i:C = GB, ST = Greater Manchester, L = Salford, O = Sectigo Limited, CN = Sectigo RSA Domain Validation Secure Server CA
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Mar 15 00:00:00 2025 GMT; NotAfter: Apr 15 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGJjCCBQ6gAwIBAgIRALoN6goLc3iwqakzBievTrEwDQYJKoZIhvcNAQELBQAw
gY8xCzAJBgNVBAYTAkdCMRswGQYDVQIQIEXHcmVhdGVyIEIhbmNoZXN0ZXIxEDAO
BgNVBAClTB1NhbgZvcmluZG90ZDZlbnVBA0TD1NlY3R3R28gTGltXRlZDE3MDUGA1UE
AxMuU2VjdGlnbyB5U0EgRG9tYWluIFZhbGkYXRpb24uU2VjdXJlIFNlcnZlcnBiDQ
QTAEFw0yNTA3MTUwMDAwMDBaFw0yNjA0MTUyMzU0NTU0MTU0MTU0MTU0MTU0MTU0
YXsby5teTCCASiwDQYJKoZIhvcNAQEBBQADgEPADCCAQcCggEBAKsTncuqskvr
dz+0qdo795jE+nsP1Ij2XW9EZksSb0nZLPnKzIFp+K2RcHBeYoG/sPWLlEi/pTITf
FGEMgr0ZjPbX/nAZU2JzAAV0jjU9/yhC4YuzbPifEr4wSprDVqjNPSUgWU00bmk0
1Bu1Fp5iz3Lad4PQ/w65IyopsYV4ZXXA3TRm+SRdv6TL0APNK4PbUs6aBJEwonf
/yJ0FgZ8Puzty0L/THcpVl rIvmVolsJcLZf3LYkaJnQQfXCqboYt7FI+NLkjUK8J
WwFyT4W2P00BMZU3F55jGADcGmcZCD0fKANO67g9qht/k5GHEcezvGvBN6ueuBp
P1Clg1SBgkCAwEAAoCAVUwggLxMB8GA1UdIwQYMBAfI2MXsRUrYrhd+mb+ZsF
4bgBjWhhMB0GA1UdDgQWBQBQznwX2xpd1XdIi5LaGyOntKCi4aTA0BgNVHQ8BAf8E
BAMCBaAwDAYDVR0TAQH/BAIwADAdBgNVHSUEFjAUBggrBgEFBQcDAQYIKwYBBQUH
AwIwS0YDVR0gBEIwQDA0BgsrBgEEAbIxAQICBzAlMCCGCCsGAQUFBwIBFhdodHRw
czovL3NlY3R3R28uY29tL0N0UzAIBGZng0wBAGewYwY0G0G0G0G0G0G0G0G0G0G0
BgggrBgEFBQcwoAoZDaHR0cDovL2NydC5zZWNoawdVlMvNvbS9TZWNoawdVlNBRG9t
YmLuVmFsaWRhdGlvbnlY3V3V2NlcnZlcnNlMlMydDajBgggrBgEFBQcwoAYYXaHR0
cDovL29jc3Auc2VjdGlnby5jb20wHQYDVR0RBBywFIIJKi5hbGxvLm15gdbhbGxv
Lm15MIIBfwYKkYBBAHweQIEAgSCAW8EggFRAwAdgCWL2S/VVixrfdhdh2g3CEJ3
6fA61fak8zZuRqQ/D8qpxgAAAZWY/A4RAAAEAwBHMEUCIQCnfoXDbakBsCpbptRX
70S8uHarZJh5k23X5W0h3+rmlQIGp06UETSHybViIgwYjwVb4G0frKwZL6WmeyyW
Y7k81GcAdgAZhtTHKkPv/roDb3gqTQGRqs4tjcjEPrs5dcEEtJUzHIAAAAZWY/A26
AAAEAwBHMEUCIHN+VD0vqVfmm5rCfmc86rJ/AL/t2P2LATSCI090tjAiEAxiq1
S7yj3G3t4JGpVf0zWFEKBPp/mTzG+SZTqSnJ0AdwDL0PcViXyEoURfW8Hd+8Lu
8ppZzUcKaQWfSmsUwxRY5wAAAZWY/A3jAAAEAwBIMEYCIQCSZOIqBFfEvPH0CbLV
iMtPJHRY++efuTUS83miRIbkVwIhAINmxEs6PsrzbmRtaHyMsZfMPOKMQA7fZ6G
xEMxH2NTMA0GCSqGSIb3D0EBCwUAA4IBAQQ0BNKA2Uok1p3g3zIawDuS9yDJoeBP
b1LlFZSmz7A+CexHxdkrkZR2qH4REUk6yQ5c5zDCjfyUYuvx0H8PINT4iTTbnDw
iIHFhi0zbzfo5/nSs5I3IDjUxMTjmtKRjSi1S2jRnj9KStE1m9n/7bDAskf0Zd0
by6CsXDo8BtqkFzdrJecWVYoXR9i5BuBbCLCeHCA6hu+jyxIF3Pt35eti0+05pp
sF8zvGwQ16xhJoUebnuNMZ4JhP4zoTFd3lzUk+fgIUodsAx/X5PVK+qM5CdrkfnC
rfr1R3J6DyBdCueaJZv6ioTJoGLDoTaRNKuaxp/yyMa56xt4v1G9L9kDJ
-----END CERTIFICATE-----
1 s:C = GB, ST = Greater Manchester, L = Salford, O = Sectigo Limited, CN = Sectigo RSA Domain Validation Secure Server CA
i:C = US, ST = New Jersey, L = Jersey City, O = The USERTRUST Network, CN = USERTrust RSA Certification Authority
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA384
v:NotBefore: Nov 2 00:00:00 2018 GMT; NotAfter: Dec 31 23:59:59 2030 GMT
-----BEGIN CERTIFICATE-----
MIIGEzCCA/ugAwIBAgIQfvtrJRr2uhHbdBYLvfMnpzANBggkqhkiG9w0BAQwFADCB
iDELMAkGA1UEBhMCVVMxEzARBGNVBAgTCK5ldyBkZjZzXzZkXFDASBGNVBAwTCC0pL
cnNlESBDAxR5MR4wHAYDVR0KEEXVUaGUgVFNFUlRSVNUIE5ldHdvcmxLjAsBgNV
BAMTJVVTRVJUcnVzdCBSU0EgQ2VydGlnaWNoZGlvdjBBDXRob3JpdHkwHhcnMTGx
MTAyMDAwMDAwMjMxMjMxMTU0U5jCBjzELMAkGA1UEBhMCR0IXGzAZBgNV
BAGTEkdyZWZ0ZXIgdWV2Y2hlc3RlcjEQAQA4GA1UEBHMHU2FzZm9yZDEYMBYGA1UE
CHMPU2VjdGlnbyBMaw1pdGVkMTcwN0YDVQDEY5TZWNoawdVlFJTQ5BEb21haW4w
VmFsaWRhdGlvbnlY3V3V2NlcnZlcnNlMlMydDajBgggrBgEFBQcwoAYYXaHR0cD
AQ8AMiIBCGKCAQEA1nMz1tc8INAA0hdFuNy+B6I/x0HuMjDJsGz99J/LEPgPLT+N
TQEMgg8Xf2Iu6bhiEfsWg06t1zlk7cHv7LQP6Lm0Aq6Tn/2YHKXyY0dqAJrkj
eocgHuP/IJo8LURvh3UGkEC0MpmWCRAIIz7S3YcPb11RFGoKacVPAXJp290TTG0E
okMbn6xmrntxz7FN3ifmg0+1YuwMQJdGZk7w3PGfKGi0VrCSo1yfu41YCSbk
Haswa6vCs6eep3BwEic4glw6uBK0u+QDrTBQbwb4VCSmT3pDCg/r8uoydayotY
uk3DGRreY+1vV2y2A0xHS+5p3b4eTLygyxFFQIDAQABO4IBBjCCAowHwYDVR0
BBgwFoAUU3m/WqorSs9Ug0HYm8Cd8rIDZsswHQYDVR00BBYEFI2MXsRUrYrhd+mb
+ZsF4bgBjWhhMA4GA1UdDwEB/wQEAwIBhjASBGNVHRMBAF8ECDAGAQH/AgEAMBOG
A1UdJQ0wMBQGCCsGAQUFBwMBgggrBgEFBQcDAjAbBgNVHSAEFDA5MAYGBFUdIAAw
CAYGZ4EMAQIBMFAGAlUdHwRjMEcWRaBDoEGGP2h0dHA6Ly9jcmwudXNlcnRydXN0
LmNvbS9V0VSvHj1c3RSU0FDZj0aWZpY2F0aW9uQXV0aG9yYXR5LmNyb2B2Bgggr
BgEFBQcBAQRqMGgwPwYIKwYBBQUHMAKGM2h0dHA6Ly9jcnQudXNlcnRydXN0LmNvbMv
```

```
bs9VU0VS5VHJ1c3RSU0FBZGRUcnVzdENBLmNydDALBggRBgEFBQcwAYYZaHR0cDov
L29jc3AudXNlcnRydXN0LmNvbTANBgkqhkiG9w0BAQwFAAOCAGeAMr9hvQ5Iw0/H
ukdN+Jx4GQHcEx2Ab/zDcLRSmjEzmldS+zGea6TVVKqJjUAXaPgREHzSyrHxVYbH
7rM2kYb20VG/Rr8PoLq0935JxCo2F57kaDl6r5R0Vm+yezu/Coa9zcV3HA040LG1
H19+24rcRki2aArPsrw04jTkZ6k4Zgle0rj8nSg6F0AnwnJOKf0hPHzPE/uWLMUx
RP0T7dWbqWlod3zu4f+k+TY4CFM5ooQ0nBnzvg6s1SQ36y0oeNDT5++SR2Ri0SLv
xvcRviKFxmZEJCa0EDKNyJ0uB56DPi/Z+fVGjm0+wea03KbNIaiGcPXL0UmGv38
sbZXQm2V0TP20RQGgkE49Y9Y3IBbpNV9LXj9p5v//cWoaasm56ekBYdbqbe4oyAL
l6lFhd2zi+wJN44pDfwGF/Y4QA5C5BIG+3vzxhFoYt/jmPQT2BVPi7Fp2RBgvGQq
6jG35LWj0hSbJumLe/0CjraZwTiXWTb2qHSihrZe68Zk6s+go/lunrotEbaGmAHY
LcmsJWTyXnW00MGuf1pGg+pRyrbxmRE1a6Vqe8YAs0f4vmSyrCjC8azjUeqkk+B5
y0GBQMkkw+ESPMFgKu0XwILCypTPRpgSabuY0MLDXJLR27lk8QyKGOHQ+SWMj4K
00u/ISsUKUermgOfky3xxzLIPK1aEn8=
-----END CERTIFICATE-----
---
Server certificate
subject=CN = *.allo.my
issuer=C = GB, ST = Greater Manchester, L = Salford, O = Sectigo Limited, CN = Sectigo RSA Domain Validation Secure Server CA
---
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 3801 bytes and written 402 bytes
Verification: OK
---
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	0
Connected IP	
Connect Time	0 ms
TTFB	0 ms
Total Time	8002.39 ms
Error	Failed to connect to allo.my port 80 after 8002 ms: Timeout was reached

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	202.168.69.152
Connect Time	2.76 ms
TTFB	114.63 ms
Total Time	114.7 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "date: Fri, 06 Mar 2026 09:14:46 GMT",
  "2": "server: XXXXXXXXXXXXXXXXXXXXXXX",
  "3": "vary: Accept-Encoding, Cookie",
  "4": "x-redirect-by: WordPress",
  "5": "location: https://www.allo.my/",
  "6": "content-type: text/html; charset=UTF-8",
  "7": "set-cookie: cookiesession1=678A3E1358CF0C066E32F4DE85C8A1BA;Expires=Sat, 06 Mar 2027 09:14:27 GMT;Path=/;HttpOnly",
  "9": "HTTP/2 200",
  "10": "date: Fri, 06 Mar 2026 09:14:46 GMT",
  "11": "server: XXXXXXXXXXXXXXXXXXXXXXX",
  "12": "vary: Accept-Encoding, Cookie",
  "13": "cache-control: max-age=3, must-revalidate",
  "14": "content-type: text/html; charset=UTF-8",
  "15": "set-cookie: cookiesession1=678A3E13FEF6574EA60C735F590B43CA;Expires=Sat, 06 Mar 2027 09:14:27 GMT;Path=/;HttpOnly"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	000 0.000000 0.000000
TCP Connect IPv4 → port 443	301 0.001243 0.108058

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
```