

# IPv6 Readiness Report

dimsum.my — dimsum.my

Category: Streaming • Generated: 21 Apr 2026, 17:45 MYT • Last Checked: 07 Mar 2026, 01:17 MYT • Verification ID: 7ca36f1e-eb87-4dc3-bfff-73f6ef5c0f33

Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>Audit trail: <https://ipv6.my6.my/audit/7ca36f1e-eb87-4dc3-bfff-73f6ef5c0f33>**X****Non-Compliant**

MGv6C-1.0

**19%****No IPv6 Support****IPv6-ONLY READINESS**Website: **X Not Ready**DNS: **X Not Ready**Email: **X Not Ready****IPv4 ADDRESSES**

104.247.81.99

**Network Information (WHOIS / RDAP)**

IPv4 Network	
Organization	Team Internet AG
Country	CA
ASN	AS206834
ASN Name	TEAMINTERNET-CA-AS, DE
Network (CIDR)	104.247.81.0/24

**Web Services** (35%)

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#	CHECK	RESULT	DETAIL
1	<b>AAAA Record</b>	<b>FAIL</b>	No AAAA record found in DNS.
2	<b>Globally Routable IPv6</b>	<b>FAIL</b>	IPv6 address is not globally routable.
3	<b>HTTP over IPv6</b>	<b>FAIL</b>	HTTP is not accessible over IPv6.
4	<b>HTTPS over IPv6</b>	<b>FAIL</b>	HTTPS is not accessible over IPv6.
5	<b>IPv6-Only Reachability</b>	<b>FAIL</b>	Site is not reachable when limited to IPv6-only.
6	<b>TLS Certificate Valid (IPv6)</b>	<b>FAIL</b>	TLS certificate is invalid, expired, or hostname mismatch over IPv6.
7	<b>Dual-Stack (IPv4 + IPv6)</b>	<b>FAIL</b>	Domain is IPv6-only or IPv4-only.
8	<b>HTTP/3 (QUIC)</b>	<b>FAIL</b>	No HTTP/3 support detected.

**DNS & DNSSEC** (25%)

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#	CHECK	RESULT	DETAIL
1	<b>NS Has AAAA Record</b>	<b>FAIL</b>	No nameserver has an AAAA record.
2	<b>NS Reachable via IPv6</b>	<b>FAIL</b>	No nameserver is reachable over IPv6.
3	<b>NS Answers Queries via IPv6</b>	<b>FAIL</b>	Nameserver does not answer queries over IPv6.
4	<b>DNSSEC Validated</b>	<b>FAIL</b>	DNSSEC validation failed or zone is unsigned.
5	<b>Reverse DNS (PTR)</b>	<b>FAIL</b>	No PTR record found.
6	<b>DS Record at Parent</b>	<b>FAIL</b>	No DS record at parent.
7	<b>RRSIG Valid</b>	<b>FAIL</b>	No valid RRSIG found.
8	<b>Signing Algorithm</b>	<b>INFO</b>	No DNSKEY record found.

**Email Services** (25%) 1 / 6

#	CHECK	RESULT	DETAIL
1	<b>MX Record Exists</b>	<b>PASS</b>	MX record found.
2	<b>MX Server Has IPv6</b>	<b>FAIL</b>	MX server has no IPv6 address.
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>FAIL</b>	No SPF record found.
6	<b>DKIM Selector</b>	<b>INFO</b>	No common DKIM selector found.
7	<b>DMARC Record</b>	<b>FAIL</b>	No DMARC record found.

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

#	CHECK	RESULT	DETAIL
1	<b>A Record</b>	<b>PASS</b>	104.247.81.99
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 675ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 909ms TTFB.

### Audit Trail & Evidence Record

Verification ID	7ca36f1e-eb87-4dc3-bfff-73f6ef5c0f33
Domain	dimsum.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:16:51 MYT
Finished	07 Mar 2026, 01:17:01 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/7ca36f1e-eb87-4dc3-bfff-73f6ef5c0f33

### Integrity Verification

<span style="color: green;">✓ INTEGRITY VERIFIED</span>	
Algorithm	hmac-sha256-v1
Root Hash	157791bf770ea48012b1ed2def027f3f2a9e547e4faa8ccf328b5711d6f90ec9
http_headers	d996ad6c69c6f314011c75a2327ffefdd4d844022bedd841d669be730a49df1
dns_responses	e7587b810996bab37be64b7f85de09b629ed5852f6e2789c6501f0877746a6e9
tls_handshake	24994b0b76db63fe8f5c97b4abbaedc5308af591623262877f9b3314151c98ca
connectivity_log	b19cff2429bed58ca8c02449334261c234740952e12781f917366a2bdacaec93
dns_resolution_times	41a942469e02bc116defff3af75183308f4fd84f9f849a607b335ca254a4dc8f

### 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	14.54	19.23	24.61	25.33	+10.1
Google	IPv4	25.32	26.83	17.44	26.94	-7.9
Google	IPv6	17.18	32.07	34.63	43.16	+17.5
Cloudflare	IPv4	17.92	36.36	15.93	22.87	-2
Cloudflare	IPv6	30.27	44.44	48.4	56.05	+18.1



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 19404
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
dimsum.my. 3600 IN A 104.247.81.99
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 35744
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
my. 1797 IN SOA a.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63586
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
dimsum.my. 3600 IN MX 1 alltheemails.com.
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 45173
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
dimsum.my. 3600 IN NS ns1.parkingcrew.net.
dimsum.my. 3600 IN NS ns2.parkingcrew.net.
```

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 64859
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
dimsum.my. 1800 IN SOA ns1.parkingcrew.net. hostmaster.dimsum.my. 1771952523 28800 7200 604800 86400
```

### AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 15319
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
dimsum.my. 1800 IN SOA ns1.parkingcrew.net. hostmaster.dimsum.my. 1771952523 28800 7200 604800 86400
```

### RRSIG

```
ns1.parkingcrew.net. hostmaster.dimsum.my. 1771952523 28800 7200 604800 86400
```

### DNSKEY

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 56510
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
dimsum.my. 1800 IN SOA ns1.parkingcrew.net. hostmaster.dimsum.my. 1771952523 28800 7200 604800 86400
```

**DNSSEC\_VALIDATION**

```
; unsigned answer
dimsum.my. 3597 IN SOA ns1.parkingcrew.net. hostmaster.dimsum.my. 1771952523 28800 7200 604800 86400
```



TLS Handshake Evidence

IPV4 Connection

IP Used	104.247.81.99
IP Version	4

```

depth=2 C = US, O = Internet Security Research Group, CN = ISRG Root X1
verify return:1
depth=1 C = US, O = Let's Encrypt, CN = E7
verify return:1
depth=0 CN = dimsum.my
verify return:1
CONNECTED(00000010)
...
Certificate chain
 0 s:CN = dimsum.my
  i:C = US, O = Let's Encrypt, CN = E7
  a:PKKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA384
  v:NotBefore: Mar  3 17:33:54 2026 GMT; NotAfter: Jun  1 17:33:53 2026 GMT
-----BEGIN CERTIFICATE-----
MIIDijCCAXCgAwIBAgISBnPYJBSKdWjeXLCfcb69C34zMAoGCCqGSM49BAMDMDIx
CzAJBgNVBAYTALVTRMYwFAYDVOQKEwIMZQXncyBFbmlYeXB0MQswCQYDQGEwJF
NzAeFw0yNjAzMDMxNzZmNTRAFw0yNjAzMDExNzZmNTNaMBQxEjAQBgNVBAMTCWRp
bXNlbn55teTBZMBMGByqGSM49AgEGCCqGSM49AwEHA0IABNywLXCBN8W2YJrkK0P
D0d5h+laVavQ2w//1mFgoF8TH0p7IrnK3X9ZhgE2qppedu3/nvEjbyY2149/p1sw
LK0jggIiMIICHjA0BgNVHQ8BAf8EBAMCB4AwEwYDVR0LBAwwCgYIKwYBBQUHAAwEw
DAYDVR0TAQH/BAIwADAdBgNVHQ4EFgQUOD8gAR/xP6TiW96qnB+IfwKZFG4EwHwYD
VR0jBBgwFoAURkie3IcdRKBv2qLlYHQEeMKcAIAMgYIKwYBBQUHAQEJjAKMCIg
CCsGAQUBFzAChhZodHRwOi8vZTcuas5sZm5jci15vcmcvMCEGA1UdEQQaMBIjCCyou
ZGltc3VtLm15gglkaw1zdW0ubXkwEwYDVR0gBAwwCjAIBgZngQwBAGewLQYDVR0f
BCYwJDAioCCGhoYcaHR0cDovL2U3LmMubGvUy3Iub3JnLzUyLmNyBDCCAQwGCisG
A0QBInkCBAIEgfEgFoA+AB1AMs49xwJfIShrF9bwd37yW7mLnNRwppBYWwyxTD
FFjnAAABnLTSBsUAAQAQAEYwRAIgwA3iQyda90DXubn0It/swvZmHnjLhRsP3e+
evX8j10CIAhMoY/0/0Z4C8HggJcYi00wCz1Kly9k+bj2WhSr+EgwAH8AcX6V88I4
imz244RjPTHwqLiCHYtQgdgB0zQZ7WmYeIAAGctPkHeAAIAAAFAAR0MqIEAwBI
MEYCIQCx3x6pzUSBU7GhXpgEdekfvhZ6SENYsqvanDxZZtB2CQIhALEynxYtPaBF
VYPWUzbo8etgMPEfizabnWG7q9q55QRjMAoGCCqGSM49BAMDA2gAMGUCMDW1HLIA
Bf0A2vF1F8LWlS7zLARDh4nBsPcqZg2Djev+tZK1Ykt3KkrMDh3FABBwIXAIiw
SmffutvZ0syB7U5ZR1Advuj0bzHdTH51fHxLMT2n18ecA/iQPb+hxu4PWLXNPG=
-----END CERTIFICATE-----
 1 s:C = US, O = Let's Encrypt, CN = E7
  i:C = US, O = Internet Security Research Group, CN = ISRG Root X1
  a:PKKEY: id-ecPublicKey, 384 (bit); sigalg: RSA-SHA256
  v:NotBefore: Mar 13 00:00:00 2024 GMT; NotAfter: Mar 12 23:59:59 2027 GMT
-----BEGIN CERTIFICATE-----
MIIEVzCCAj+gAwIBAgIRAKp18eYrjwoiCwbTi7/UuqEwDQYJKoZIhvcNAQELBQAw
TzELMAKGA1UEBhMCVVMxKTAnBgNVBAoTIEUdGyVybWV0IFNlY3VyaXR5IFJlcnJlcn
cmNoIEdyb3VwMRUwEwYDVOQDEwXJUIJHIFJvb3QgWDEwHhcnMjQwMzEzMDAwMDAw
WhcNMjcwMzEyMjM1OTU5WjAQM0swCQYDVOQGEwJVUzEWMBQGA1UEChMNTGV0J3Mg
RW5jcnlwdDdELMAKGA1UEAxMCRTRwdjAQBgcqhkjOPQIBBQUrgOQAIEGniAARBB6AST
CFh/vjcwDMCgQer+VtqEkz7JANurZxLP+U9TCeioL6sp5Z8VRvRbYk4P1INBmbeF
QHJFHCxcSjKmwTVG8WpL/9ra8HW0QsUaJW2qQJqceJ0ZVFT3hBUHifBM/2jgfgw
gFlUdGyDVR0PAQH/BAQDAgGMB0GA1UdJQQWMBQGCCsGAQUFBwMCBggrBgEFBQcD
ATASBgNVHRMBAf8ECDAGAQH/AgEAMBOGA1UdDgQWBBSuSj7chx1EoG/aouVgdAR4
wpaAgDAfBgNVHSMEGDAWgBR5tFnme7bL5AFZgAiIyBpY9umbbjAyBggrrBgEFBQcB
AQQmMCQwIgwYIKwYBBQUHMAKGFmhdHA6L94MS5pLmxLbmNmY9yZy8wEwYDVR0g
BAwwCjAIBgZngQwBAGewJwYDVR0fBCAwHjAcoBggGIIYwHR0cDovL3gxLmMubGvU
Y3Iub3JnLzANBgkqhkiG9w0BAQsFAAOCAGEAjx66fDdLk5yWFn3CzA1w1qfyLHUD
aEf0QZpXcJseddJGSfbU0vbnR9N/QQ16K1LX14VfYhmGXDT5Kdfcr0RvIIVrNxF
h4lqHtRRCP6RBRstqbZ2zURgqakn/Xip0iaQL0IdfHBRz396FgknniRYFckKORPG
yM3QKnd66gtMst8I5nkrQLAg/Jb+Gc3egIvuGkWoE1G89NTsN9LTD3PLj0dUMr
0IuqVjLB8pEC6yk9enrLrqjXQgkLEyhXzq7dLaFv5VkiG6L0nuuqjqfp0Q1bi1o
yVNAIXe6aUxw92CcghC9bNsKE01+m52YY5+ofIXLS/SEQbvVYYBLZ5yeigLV6t3S
M6H+vTG0aP9YHZN/KV0HzGQfXDP7qM5tkf+7diZe7o2fw607IvN6fsQXEQJ8JTJ
UXJxv2/uJhcuy/tSDgXwHM8Uk34WNBRT7zGTGKQRX0gsbjAea/jYAowV0ZvQRwpq
Pe79D/i7Cep8qWnA+7AE/3B3S/3dEEYmc0Lpe1366A/6EGk3ktr9PEoQrLChsI
tu3wnNL2euC8IKGLQFpGt00/2/hiAKjyajaBP25w1jF0WLB8bqne3uZ2q1GyPFJ
YRmT7/0Xpm0H/FVLtwS+8ng1cAmpCujPwteJZNcDG0sF2n/sc0+SQf49fdyUK0ty
+VUwFj9tmWxyR/M=
-----END CERTIFICATE-----
...
Server certificate
subject=CN = dimsum.my
issuer=C = US, O = Let's Encrypt, CN = E7
...
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: ECDSA
Server Temp Key: X25519, 253 bits

```

```
---
SSL handshake has read 2389 bytes and written 375 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_AES_128_GCM_SHA256
Server public key is 256 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
Early data was not sent
Verify return code: 0 (ok)
---
DONE
---
Post-Handshake New Session Ticket arrived:
SSL-Session:
  Protocol : TLSv1.3
  Cipher   : TLS_AES_128_GCM_SHA256
  Session-ID: DFBBACF66412E3BC49B7B2BB39C668BD7A82EB341DF302A858B6FCF39ED28334
  Session-ID-ctx:
  Resumption PSK: CF296CC8CB294A9F604D23D15D38A067B7DD5BC8B527F20F6EDE2A037E2B7AB2
  PSK identity: None
  PSK identity hint: None
  SRP username: None
  TLS session ticket lifetime hint: 604800 (seconds)
  TLS session ticket:
```

## HTTP Response Evidence

### IPv4 HTTP (port 80)

HTTP Status	403
Connected IP	104.247.81.99
Connect Time	225.97 ms
TTFB	676.99 ms
Total Time	677.05 ms

Response Headers:

```
[
  "HTTP/1.1 403 Forbidden",
  "Server: nginx",
  "Date: Fri, 06 Mar 2026 09:16:57 GMT",
  "Content-Type: text/html",
  "Content-Length: 146",
  "Connection: keep-alive"
]
```

### IPv4 HTTPS (port 443)

HTTP Status	403
Connected IP	104.247.81.99
Connect Time	225.7 ms
TTFB	906.82 ms
Total Time	906.86 ms

Response Headers:

```
[
  "HTTP/2 403",
  "alt-svc: h3=\":8443\"; ma=2592000",
  "server: Caddy",
  "date: Fri, 06 Mar 2026 09:16:59 GMT"
]
```

## Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	403 0.226834 0.680246
TCP Connect IPv4 → port 443	410 0.226200 0.908112

**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
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142
```