

IPv6 Readiness Report

my6.my — my6.my




Scan to verify

Category: Enterprise • Generated: 13 Jun 2026, 19:34 MYT • Last Checked: 13 Jun 2026, 01:04 MYT • Verification ID: e5bdf596-ad71-4733-a84b-e728c611716c

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

Audit trail: <https://ipv6.my6.my/audit/e5bdf596-ad71-4733-a84b-e728c611716c>

 Partially Compliant <small>MGv6C-1.0</small>	87% Partial Support	IPv6-ONLY READINESS Website: ✓ Ready DNS: ✓ Ready Email: ✗ Not Ready
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IPv6 ADDRESSES 2606:4700:3037::ac43:8624 2606:4700:3037::6815:60b	IPv4 ADDRESSES 104.21.6.11 172.67.134.36
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Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	Cloudflare, Inc.	Cloudflare, Inc.
Country	US	US
ASN	AS13335	AS13335
ASN Name	CLOUDFLARENET - Cloudflare, Inc., US	CLOUDFLARENET - Cloudflare, Inc., US
Network (CIDR)	2606:4700::/32	104.16.0.0/12

Web Services (35%)				8 / 8
#	CHECK	RESULT	DETAIL	
1	AAAA Record	PASS	2606:4700:3037::ac43:8624, 2606:4700:3037::6815:60b	
2	Globally Routable IPv6	PASS	All addresses are globally routable.	
3	HTTP over IPv6	PASS	HTTP (port 80) responds over IPv6 — 688ms TTFB.	
4	HTTPS over IPv6	PASS	HTTPS (port 443) responds over IPv6 — 81ms TTFB.	
5	IPv6-Only Reachability	PASS	Site is fully reachable via IPv6-only.	
6	TLS Certificate Valid (IPv6)	PASS	Certificate valid — issued by C = US, O = Google Trust Services, CN = WE1, expires Aug 12 18:59:52 2026 GMT	
7	Dual-Stack (IPv4 + IPv6)	PASS	Domain has both A and AAAA records.	
8	HTTP/3 (QUIC)	PASS	Alt-Svc: h3 header 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.	

#	CHECK	RESULT	DETAIL
7	RRSIG Valid	PASS	RRSIG signatures are current and valid.
8	Signing Algorithm	INFO	ECDsap256SHA256

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: google._domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	104.21.6.11, 172.67.134.36
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 196ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 1224ms TTFB.

Audit Trail & Evidence Record

Verification ID	e5bdf596-ad71-4733-a84b-e728c611716c
Domain	my6.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:03:30 MYT
Finished	13 Jun 2026, 01:04:02 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/e5bdf596-ad71-4733-a84b-e728c611716c

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	ebe0f0b81bd31230edcb46dbf5fae184d1afb15300c514b70d68164a866cd7e5
http_headers	b5c9955fe49e07e203c33eaab075a855d8ac6bd3350ca2931df815aa0150cb9b
dns_responses	a56363b9b1018bcb1a817bca07b54366798d414c59ad53d6d3706e5cf58316eb
tls_handshake	84fd974cb9d79ee7c78d7b12fe0c7af8211fc6ee299ee8431a39b68501cbb0af
connectivity_log	14466082486a0eccbf7b7758280ba69f407afb8a1fe7060314321d1b3ca2bd00
dns_resolution_times	8028b9bdea6cc613a15a21f016c1c7e5c85b9aec6be035fd6e850f5991396cf3

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	7.11	8.08	8.85	19.15	+1.7
Google	IPv4	34.6	42.89	31.56	32.17	-3
Google	IPv6	26.19	35.21	36.77	37.75	+10.6
Cloudflare	IPv4	11.46	21.94	22.86	23.27	+11.4
Cloudflare	IPv6	26.49	34.11	17.41	25.04	-9.1

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 17633
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
my6.my. 3600 IN A 172.67.134.36
my6.my. 3600 IN A 104.21.6.11
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14181
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
my6.my. 85231 IN DS 2371 13 2 AA8F24B79E532CD812CF6163B8166B004DE2E2EF0A71FD6CB9199A82 7E941ADE
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 56873
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
my6.my. 3600 IN MX 5 alt1.aspmx.l.google.com.
my6.my. 3600 IN MX 5 alt2.aspmx.l.google.com.
my6.my. 3600 IN MX 1 aspmx.l.google.com.
my6.my. 3600 IN MX 10 alt3.aspmx.l.google.com.
my6.my. 3600 IN MX 10 alt4.aspmx.l.google.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14310
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
my6.my. 86400 IN NS elsa.ns.cloudflare.com.
my6.my. 86400 IN NS theo.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 59831
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
my6.my. 3600 IN TXT "v=spf1 include:_spf.google.com -all"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 18040
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
my6.my. 3600 IN AAAA 2606:4700:3037::6815:60b
my6.my. 3600 IN AAAA 2606:4700:3037::ac43:8624
```

RRSIG

```
elsa.ns.cloudflare.com. dns.cloudflare.com. 2404943032 10000 2400 604800 1800
```

```
SOA 13 2 1800 20260613174542 20260611154542 34505 my6.my. nDeIxlVXgrjGQimQ1xyeBvkYZTu7icqfBb70XQeXp+ts2o+0ABN0Lii zxOd/6A2kfY4jbx2mw2s3ui+JsWQ0A==
```

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 20042
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
my6.my. 2431 IN DNSKEY 257 3 13 mdsswUyr3DPW132m0i8V9xESWE8jTo0dxCjjnopKl+GqJxpVXckhAeF+ KkxLbxILfDLUT0rAK9iUzy1L53eKGQ==
my6.my. 2431 IN DNSKEY 256 3 13 oJMRESz5E4gYzS/q6XDrvU1qMPYIjCWzJa0au8XNEZeqCYKD5ar0IRd8 KqXXFJkqmVfRvMGpM1x8fGaa2XhSA==
```

DNSSEC_VALIDATION

```
; fully validated
my6.my. 702 IN SOA elsa.ns.cloudflare.com. dns.cloudflare.com. 2404943032 10000 2400 604800 1800
my6.my. 702 IN RRSIG SOA 13 2 1800 20260613174542 20260611154542 34505 my6.my. nDeIxlVXgrjGQimQ1xyeBvkYZTu7icqfBb70XQeXp+ts2o+0ABN0Lii zxOd/6A2kfY4jbx2mw2s3ui+JsWQ0A==
```



```

Z1dHTCEDhUDCR127WecPQMFcF4XGGTfn1XzthkubgdnXGh0LCgP4mMTG6J7/EFmP
LcaY9eYmJbsPAvpWo4H+MIH7MA4GA1UdDwEB/wQEAWIBhAdBgNVHSUEFjAUBggg
BgEFBQcDAQYIKwYBBQUHAwIwEgYDVR0TAQH/BAGwBgEB/wIBADAdBgNVHQ4EFgQU
kHeSNWfE/6jMqeZ72YB5e8yT+TgwhYDVR0jBBgwFoAUgEzW63T/STaj1dj8tT7F
avCUHYwWAIKwYBBQUHAQEEDAmMCGCCsGAQUFBzAChhhodHRwOi8vaS5wa2ku
Z29vZy9yNC5jcnQwKwYDVR0fBQCQIjAgoB6GHIYaahR0cDovL2MucGtpLmdvb2cv
ci9yNC5jcmwEwYDVR0gBAwwCjAIBgZngQwBAGwEwCgYIKoZIzj0EAwMDaAAwZQIX
A0cCq1HW900VznX+0RGU1cxAQXomvtgMBzITPZCuF08jSBJJz5keR0v9aYsAm5V
sQIUwJonMaAFi54mrfhf0FNZEfUfNMSQ6/bIBiNLiyoX46FohQvKeIoJ99cx7sUkFN
7uJW
-----END CERTIFICATE-----
2 s:C = US, 0 = Google Trust Services LLC, CN = GTS Root R4
i:C = BE, 0 = GlobalSign nv-sa, OU = Root CA, CN = GlobalSign Root CA
a:PKKEY: id-ecPublicKey, 384 (bit); sigalg: RSA-SHA256
v:NotBefore: Nov 15 03:43:21 2023 GMT; NotAfter: Jan 28 00:00:42 2028 GMT
-----BEGIN CERTIFICATE-----
MIIDejCCAmKgAwIBAgIQf+UwvzMTQ77dghYQST2KGzANBgkqhkiG9w0BAQsFADBX
M0swCQYDVQGEwJCRTEZMBcGA1UEChMQR2xvYmFsU2lnbiBudilzYTEQMA4GA1UE
CxMHUm9vdCBDQTEbMBkGA1UEAxMSR2xvYmFsU2lnbiBSb290IENBMB4XDTEzMTEx
NTAzMjNDMDYwODI4MDEyODAwMDA0M1owRzELMAkGA1UEBhMCVVMxIjAgBgNVBAoT
GUdub2dsZSBSUcnVzdCBTZXJ2aWNLcyBMTExFMDASBgNVBAMTC0UUYyBSb290IFI0
MHYWEAYHkoZIzj0CAQYFK4EEACIDYgAE83Rzp2iLYK5DuDXFgTB7S0md+8Fhzube
Rr1r1WEYNa5A3XP3iZEwLus87oV8okB206nGuEfyKueSkWpz6bFy0Z8pn6KY019e
WIZLD6GEZQbR3IvJx3PIjGov5cSr0R2Ko4H/MIH8MA4GA1UdDwEB/wQEAWIBhAd
BgNVHSUEFjAUBgggBgEFBQcDAQYIKwYBBQUHAwIwEgYDVR0TAQH/BAUwAwEB/zAd
BgNVHQ4EFgQUgEzW63T/STaj1dj8tT7FavCUHYwWwYDVR0jBBgwFoAUyHtmGkUN
l8qJUC99BM00qP/8/UsWNgYIKwYBBQUHAQEEDjAQMCGCCsGAQUFBzAChhhodHRw
Oi8vaS5wa2kuZ29vZy9yNC5jcnQwKwYDVR0fBQCQIjAgoB6GHIYaahR0cDovL2
MucGtpLmdvb2cvci9yNC5jcmwEwYDVR0gBAwwCjAIBgZngQwBAGwEwCgYIKoZIzj
0EAwMDaAAwZQIXA0cCq1HW900VznX+0RGU1cxAQXomvtgMBzITPZCuF08jSBJJz5
keR0v9aYsAm5VsQIUwJonMaAFi54mrfhf0FNZEfUfNMSQ6/bIBiNLiyoX46FohQv
KeIoJ99cx7sUkFN7uJW
-----END CERTIFICATE-----
---
Server certificate
subject=CN = my6.my
issuer=C = US, 0 = Google Trust Services, CN = WE1
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: ECDSA
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 2811 bytes and written 388 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_AES_256_GCM_SHA384
Server public key is 256 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated

```



```

"17": "x-content-type-options: nosniff",
"18": "x-xss-protection: 0",
"19": "referrer-policy: strict-origin-when-cross-origin",
"20": "permissions-policy: geolocation=(), microphone=(), camera=()",
"21": "strict-transport-security: max-age=63072000; includeSubDomains; preload",
"22": "content-security-policy: default-src 'self'; script-src 'self' 'unsafe-inline' https://*.cloudflare.com; style-src 'self' 'unsafe-inline'
https://fonts.googleapis.com; font-src https://fonts.gstatic.com; img-src 'self' data:; connect-src 'self'; frame-ancestors 'self';",
"23": "nel: {\\"report_to\\":\\"cf-nel\\",\\"success_fraction\\":0.0,\\"max_age\\":604800}",
"24": "cf-cache-status: DYNAMIC",
"25": "report-to: {\\"group\\":\\"cf-
nel\\",\\"max_age\\":604800,\\"endpoints\\":[{\\"url\\":\\"https://a.nel.cloudflare.com/report/v4?s=vkB3fNPvIh2GrcZo1CsoSfrRSqxUgAYMORnI4I8NVm2n8rT93fBhmwqn2j9Yftl%2FAaiF9GXIOYeXURDkZVhZ"}]}",
"26": "cf-ray: a0aa6ea95f7c256b-SIN",
"27": "alt-svc: h3=\\":443\\"; ma=86400"
}
    
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	104.21.6.11
Connect Time	6.72 ms
TTFB	433.92 ms
Total Time	433.97 ms

Response Headers:

```

[
  "HTTP/2 200",
  "date: Fri, 12 Jun 2026 17:04:02 GMT",
  "content-type: text/html; charset=utf-8",
  "server: cloudflare",
  "vary: Accept-Encoding",
  "x-frame-options: SAMEORIGIN",
  "x-content-type-options: nosniff",
  "x-xss-protection: 0",
  "referrer-policy: strict-origin-when-cross-origin",
  "permissions-policy: geolocation=(), microphone=(), camera=()",
  "strict-transport-security: max-age=63072000; includeSubDomains; preload",
  "content-security-policy: default-src 'self'; script-src 'self' 'unsafe-inline' https://*.cloudflare.com; style-src 'self' 'unsafe-inline'
https://fonts.googleapis.com; font-src https://fonts.gstatic.com; img-src 'self' data:; connect-src 'self'; frame-ancestors 'self';",
  "nel: {\\"report_to\\":\\"cf-nel\\",\\"success_fraction\\":0.0,\\"max_age\\":604800}",
  "cf-cache-status: DYNAMIC",
  "report-to: {\\"group\\":\\"cf-
nel\\",\\"max_age\\":604800,\\"endpoints\\":[{\\"url\\":\\"https://a.nel.cloudflare.com/report/v4?s=XQkU%2FnMi6J6HkXA%2BJJvWgg6jq40vPPzkeFFFMjFeX9YGDExdq8Pdh5vzmeTADWky8HVH0ybiV8hp%2B9"}]}",
  "cf-ray: a0aa6eabdf68d32-SIN",
  "alt-svc: h3=\\":443\\"; ma=86400"
]
    
```

IPv6 HTTPS (port 443)

HTTP Status	200
Connected IP	2606:4700:3037::ac43:8624
Connect Time	7.61 ms
TTFB	78.92 ms
Total Time	78.98 ms

Response Headers:

```

[
  "HTTP/2 200",
  "date: Fri, 12 Jun 2026 17:04:01 GMT",
  "content-type: text/html; charset=utf-8",
  "server: cloudflare",
  "vary: Accept-Encoding",
  "x-frame-options: SAMEORIGIN",
  "x-content-type-options: nosniff",
  "x-xss-protection: 0",
  "referrer-policy: strict-origin-when-cross-origin",
  "permissions-policy: geolocation=(), microphone=(), camera=()",
  "strict-transport-security: max-age=63072000; includeSubDomains; preload",
  "content-security-policy: default-src 'self'; script-src 'self' 'unsafe-inline' https://*.cloudflare.com; style-src 'self' 'unsafe-inline'
https://fonts.googleapis.com; font-src https://fonts.gstatic.com; img-src 'self' data:; connect-src 'self'; frame-ancestors 'self';",
  "nel: {\\"report_to\\":\\"cf-nel\\",\\"success_fraction\\":0.0,\\"max_age\\":604800}",
  "cf-cache-status: DYNAMIC",
]
    
```

```

"report-to: {\group\": \"cf-
nel\", \"max_age\": 604800, \"endpoints\": [{url\": \"https://a.nel.cloudflare.com/report/v4?s=5Hm%2F45iYIrG3Yb8lFinUCelZiPQzC9TW1787dDa4eQ39r0gkcCB2bkL2HC8DEFaY0kN6S1y%2Fu0DzmTNbj
\"cf-ray: a0aa6ea9cf85ce6a-SIN\",
\"alt-svc: h3=\":443\"; ma=86400\"
]

```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.006872 0.032111
TCP Connect IPv6 → port 80	301 0.007729 0.153654
TCP Connect IPv4 → port 443	200 0.008835 0.073176
TCP Connect IPv6 → port 443	200 0.009141 0.096040

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

```