


IPv6 Readiness Report

yes.my — yes.my

Category: Telco • Generated: 21 Apr 2026, 18:56 MYT • Last Checked: 07 Mar 2026, 01:14 MYT • Verification ID: 8f990ffc-a554-4882-99df-1e2f91871e08

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

Audit trail: <https://ipv6.my6.my/audit/8f990ffc-a554-4882-99df-1e2f91871e08>

 Non-Compliant <small>MGv6C-1.0</small>	32% Partial Support	IPV6-ONLY READINESS Website: X Not Ready DNS: X Not Ready Email: X Not Ready
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IPV4 ADDRESSES 20.43.132.130
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Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Microsoft Corporation
Country	US
ASN	AS8075
ASN Name	MICROSOFT-CORP-MSN-AS-BLOCK - Microsoft Corporation, US
Network (CIDR)	20.33.0.0/16

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%) 0 / 5			
#	CHECK	RESULT	DETAIL
1	NS Has AAAA Record	FAIL	No nameserver has an AAAA record.
2	NS Reachable via IPv6	FAIL	No nameserver is reachable over IPv6.
3	NS Answers Queries via IPv6	FAIL	Nameserver does not answer queries 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%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	20.43.132.130
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 114ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 94ms TTFB.

Audit Trail & Evidence Record

Verification ID	8f990ffc-a554-4882-99df-1e2f91871e08
Domain	yes.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:13:51 MYT
Finished	07 Mar 2026, 01:14:14 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/8f990ffc-a554-4882-99df-1e2f91871e08

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	f554a9abb6c8821cd5810cded76d9e85d704b5af52ea1e1bfaba4c521445a16c
http_headers	fd89dbd2257e0bfde740386e2f890cc3889f971b6f734692bccddae0d704bdd2
dns_responses	967aadf589456ee8cdc84d465805fb7ab12361c96c5d5a2b62928d49780ba932
tls_handshake	c2eb1b8db05c1c6741ad306b9a49b90e693c2d94ab9d0d902a49a29438ac58b9
connectivity_log	395be7aa21fe4ba916db027de3c38be22b64662a06f9d07603f7985bbe0e9efa
dns_resolution_times	98637f03923f97a6f42f8e1328940101afc0e40b21fea89c6dcc789a76a1c9b6

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	8.89	9.69	6.1	6.88	-2.8
Google	IPv4	18.13	18.19	25.97	39.95	+7.8
Google	IPv6	24.72	25.31	38.58	40.29	+13.9
Cloudflare	IPv4	9.83	20.71	19.42	21.7	+9.6
Cloudflare	IPv6	30.82	36.94	26.74	36.43	-4.1

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 15820
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
yes.my. 300 IN A 20.43.132.130
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 22180
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
my. 1778 IN SOA a.nic.my. hostmaster.nic.my. 2026018482 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 3210
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
yes.my. 300 IN MX 0 yes-my.mail.protection.outlook.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 50057
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
yes.my. 21600 IN NS ns0.yes.my.
yes.my. 21600 IN NS ns1.yes.my.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 35920
;; flags: qr rd ra; QUERY: 1, ANSWER: 9, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
yes.my. 300 IN TXT "google-site-verification=gzZ8V38Ci0rKXqKYyRM4wq6uvyVkv1bIiPYcPyj9PJk"
yes.my. 300 IN TXT "bsxcrlbzipwrfnlpxy9kftfryzrw9knlk"
yes.my. 300 IN TXT "MS=1FD88A87E404D70E9978EF0458EA0342E0184C5A"
yes.my. 300 IN TXT "MS=ms25442632"
yes.my. 300 IN TXT "google-site-verification=Yhko0FxmX2YhZj3_-h2pmiw5K7o6VKMoIT2p50XGBw"
yes.my. 300 IN TXT "v=spf1 a ip4:183.78.4.244 ip4:183.78.4.245 ip4:183.78.4.242 ip4:183.78.4.243 ip4:183.78.4.240 ip4:183.78.4.241 ip4:183.78.1.140 ip4:183.78.1.141 ip4:183.78.4.145 ip4:14.1.197.34 ip4:183.78.1.135" " ip4:183.78.9.2 ip4:183.78.1.136 ip4:183.78.1.138 ip4:183.78.1.139 ip4:183.78.1.148 ip4:183.78.1.149 include:spf.protection.outlook.com include:_spf.google.com ~all"
yes.my. 300 IN TXT "MS=ms60525485"
yes.my. 300 IN TXT "google-site-verification=kBp8VdYwoNWBW10LFSvYPbFLmA5Jc0c0FLsZKH1bns"
yes.my. 300 IN TXT "google-site-verification=bUT1uNsHjrhWgU1Z753pRpYb7vD5ZL2UEX0_scn0CuM"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 37623
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
yes.my. 600 IN SOA ns0.yes.my. hostmaster.ns0.yes.my. 2026030602 10800 3600 604800 600
```

RRSIG

```
ns0.yes.my. hostmaster.ns0.yes.my. 2026030602 10800 3600 604800 600
```

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 54840
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
yes.my. 600 IN SOA ns0.yes.my. hostmaster.ns0.yes.my. 2026030602 10800 3600 604800 600
```

DNSSEC_VALIDATION

```
; unsigned answer
yes.my. 21600 IN SOA ns0.yes.my. hostmaster.ns0.yes.my. 2026030602 10800 3600 604800 600
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	20.43.132.130
Connect Time	23.46 ms
TTFB	128.8 ms
Total Time	128.89 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 06 Mar 2026 09:14:14 GMT",
  "2": "Location: https://yes.my/",
  "4": "HTTP/2 301",
  "5": "content-type: text/html",
  "6": "date: Fri, 06 Mar 2026 09:14:14 GMT",
  "7": "server: nginx/1.28.0",
  "8": "location: https://www.yes.my/",
  "9": "content-length: 169",
  "11": "HTTP/2 200",
  "12": "content-type: text/html",
  "13": "date: Fri, 06 Mar 2026 09:14:14 GMT",
  "14": "server: nginx/1.28.0",
  "15": "accept-ranges: bytes",
  "16": "cache-control: max-age=3600",
  "17": "cache-control: public",
  "18": "etag: \"69aa6cae-573e8\"",
  "19": "expires: Fri, 06 Mar 2026 10:14:14 GMT",
  "20": "last-modified: Fri, 06 Mar 2026 05:57:02 GMT",
  "21": "pragma: public",
  "22": "vary: Accept-Encoding",
  "23": "content-length: 357352",
  "24": "strict-transport-security: max-age=31536000; includeSubDomains; preload",
  "25": "x-frame-options: SAMEORIGIN",
  "26": "x-xss-protection: 1; mode=block",
  "27": "x-content-type-options: nosniff",
  "28": "referrer-policy: no-referrer-when-downgrade",
  "29": "content-security-policy: base-uri 'self' cdn.yes.my; frame-src 'self' *.yes.my *.google.com *.googletagmanager.com *.doubleclick.net *.youtube.com *.adsvr.org ytlc.speedtestcustom.com *.yellow.ai *.facebook.com; connect-src 'self' *.yes.my https://openapi.yes.my https://www.google.com https://www.google.co.in https://www.googleservices.com https://googleads.g.doubleclick.net *.iconify.design *.simplesvg.com *.unisvg.com *.gstatic.com *.cloudflare.com *.googleapis.com *.googletagmanager.com *.doubleclick.net *.google-analytics.com *.facebook.com *.hotjar.com ws.hotjar.com wss://ws.hotjar.com *.cloudfront.net *.ads-twitter.com *.quantserve.com *.tiktok.com *.enzymic.co *.jsdelivr.net *.adsvr.org *.adbro.me *.quantcount.com *.hotjar.io wss://apis.adbro.me *.myfreshworks.com *.tiktok.us *.google.com *.google.com.my; font-src 'self' cdn.yes.my *.gstatic.com *.cloudflare.com *.googleapis.com data; script-src 'self' 'unsafe-inline' 'unsafe-eval' *.yes.my *.gstatic.com *.cloudflare.com *.googleapis.com *.facebook.com *.hotjar.com *.cloudfront.net *.googletagmanager.com *.ads-twitter.com *.clevertap-prod.com; style-src 'self' 'unsafe-inline' *.yes.my *.gstatic.com *.cloudflare.com *.googleapis.com *.facebook.com *.jsdelivr.net; img-src 'self' data: *.yes.my ytlmarketing.blob.core.windows.net https://googleads.g.doubleclick.net https://www.google.com https://www.google.co.in *.doubleclick.net *.quantserve.com yesmy-dev.azurewebsites.net t.co *.twitter.com *.facebook.com *.facebook.net *.adbro.me *.googletagmanager.com *.w.org *.gstatic.com *.googleapis.com *.jsdelivr.net *.google.com.my *.google.com *.wpdeveloper.com *.google.com.my; form-action 'self' *.facebook.com; script-src-elem 'self' 'unsafe-inline' 'unsafe-eval' *.yes.my *.gstatic.com *.cloudflare.com *.googleapis.com *.facebook.com *.hotjar.com *.cloudfront.net *.googletagmanager.com *.ads-twitter.com *.clevertap-prod.com *.doubleclick.net *.google-analytics.com *.facebook.net *.quantserve.com *.adsvr.org *.adbro.me *.enzymic.co *.tiktok.com *.quantcount.com *.jsdelivr.net *.youtube.com *.google.com *.myfreshworks.com *.freshsales.io; style-src-elem 'self' 'unsafe-inline' *.yes.my *.gstatic.com *.cloudflare.com *.googleapis.com *.facebook.com *.jsdelivr.net *.freshsales.io; default-src 'self' *.yes.my ytlmarketing.blob.core.windows.net *.google.com *.google.com.my *.facebook.com *.gstatic.com *.cloudflare.com *.cloudfront.net *.googleapis.com *.google-analytics.com *.iconify.design *.simplesvg.com *.unisvg.com *.doubleclick.net *.googletagmanager.com *.quantserve.com *.hotjar.com *.ads-twitter.com *.clevertap-prod.com *.adsvr.org *.adbro.me *.enzymic.co *.tiktok.com *.quantcount.com *.jsdelivr.net"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	20.43.132.130
Connect Time	15.23 ms
TTFB	119.45 ms
Total Time	119.51 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "content-type: text/html",
  "2": "date: Fri, 06 Mar 2026 09:14:14 GMT",
}
```

```

"3": "server: nginx/1.28.0",
"4": "location: https://www.yes.my/",
"5": "content-length: 169",
"7": "HTTP/2 200",
"8": "content-type: text/html",
"9": "date: Fri, 06 Mar 2026 09:14:14 GMT",
"10": "server: nginx/1.28.0",
"11": "accept-ranges: bytes",
"12": "cache-control: max-age=3600",
"13": "cache-control: public",
"14": "etag: \"69aa6cae-573e8\"",
"15": "expires: Fri, 06 Mar 2026 10:14:14 GMT",
"16": "last-modified: Fri, 06 Mar 2026 05:57:02 GMT",
"17": "pragma: public",
"18": "vary: Accept-Encoding",
"19": "content-length: 357352",
"20": "strict-transport-security: max-age=31536000; includeSubDomains; preload",
"21": "x-frame-options: SAMEORIGIN",
"22": "x-xss-protection: 1; mode=block",
"23": "x-content-type-options: nosniff",
"24": "referrer-policy: no-referrer-when-downgrade",
"25": "content-security-policy: base-uri 'self' cdn.yes.my; frame-src 'self' *.yes.my *.google.com *.googletagmanager.com *.doubleclick.net *.youtube.com *.adsvr.org ytlc.speedtestcustom.com *.yellow.ai *.facebook.com; connect-src 'self' *.yes.my https://openapi.yes.my https://www.google.com https://www.google.co.in https://www.googleadservices.com https://googleads.g.doubleclick.net *.iconify.design *.simplesvg.com *.unisvg.com *.gstatic.com *.cloudflare.com *.googleapis.com *.googletagmanager.com *.doubleclick.net *.google-analytics.com *.facebook.com *.hotjar.com ws.hotjar.com wss://ws.hotjar.com *.cloudfront.net *.ads-twitter.com *.quantserve.com *.tiktok.com *.enzymic.co *.jsdelivr.net *.adsvr.org *.adbromo *.quantcount.com *.hotjar.io wss://apis.adbromo.com *.myfreshworks.com *.tiktokw.us *.google.com *.google.com.my; font-src 'self' cdn.yes.my *.gstatic.com *.cloudflare.com *.googleapis.com data:; script-src 'self' 'unsafe-inline' 'unsafe-eval' *.yes.my *.gstatic.com *.cloudflare.com *.googleapis.com *.facebook.com *.hotjar.com *.cloudfront.net *.googletagmanager.com *.ads-twitter.com *.clevertap-prod.com; style-src 'self' 'unsafe-inline' *.yes.my *.gstatic.com *.cloudflare.com *.googleapis.com *.facebook.com *.jsdelivr.net; img-src 'self' data: *.yes.my ytlmarketing.blob.core.windows.net https://googleads.g.doubleclick.net https://www.google.com https://www.google.co.in *.doubleclick.net *.quantserve.com yesmy-dev.azurewebsites.net t.co *.twitter.com *.facebook.com *.facebook.net *.adbromo *.googletagmanager.com *.w.org *.gstatic.com *.googleapis.com *.jsdelivr.net *.google.com.my *.google.com *.wpdeveloper.com *.google.com.my; form-action 'self' *.facebook.com; script-src-elem 'self' 'unsafe-inline' 'unsafe-eval' *.yes.my *.gstatic.com *.cloudflare.com *.googleapis.com *.facebook.com *.hotjar.com *.cloudfront.net *.googletagmanager.com *.ads-twitter.com *.clevertap-prod.com *.doubleclick.net *.google-analytics.com *.facebook.net *.quantserve.com *.adsvr.org *.adbromo *.enzymic.co *.tiktok.com *.quantcount.com *.jsdelivr.net *.youtube.com *.google.com *.myfreshworks.com *.freshsales.io; style-src-elem 'self' 'unsafe-inline' *.yes.my *.gstatic.com *.cloudflare.com *.googleapis.com *.facebook.com *.jsdelivr.net *.freshsales.io; default-src 'self' *.yes.my ytlmarketing.blob.core.windows.net *.google.com *.google.com.my *.facebook.com *.gstatic.com *.cloudflare.com *.cloudfront.net *.googleapis.com *.google-analytics.com *.iconify.design *.simplesvg.com *.unisvg.com *.doubleclick.net *.googletagmanager.com *.quantserve.com *.hotjar.com *.ads-twitter.com *.clevertap-prod.com *.adsvr.org *.adbromo *.enzymic.co *.tiktok.com *.quantcount.com *.jsdelivr.net"
}
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.008110 0.016493
TCP Connect IPv4 → port 443	301 0.007203 0.043688

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
    
```