

IPv6 Readiness Report

yes.my — yes.my



Scan to verify

Category: Telco • Generated: 04 Jul 2026, 22:22 MYT • Last Checked: 04 Jul 2026, 03:20 MYT • Verification ID: fa2f340b-15a3-4755-a005-6f1bd41a55fb

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

Audit trail: <https://ipv6.my6.my/audit/fa2f340b-15a3-4755-a005-6f1bd41a55fb>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>32%</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: X Not Ready</p>
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<p>IPv4 ADDRESSES</p> <p>20.43.132.130</p>

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.	

#	CHECK	RESULT	DETAIL
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 — 172ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 103ms TTFB.

Audit Trail & Evidence Record

Verification ID	fa2f340b-15a3-4755-a005-6f1bd41a55fb
Domain	yes.my
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:20:20 MYT
Finished	04 Jul 2026, 03:20:44 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/fa2f340b-15a3-4755-a005-6f1bd41a55fb

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	5441b0355a905871e8aca85d9cc2962ff44e47fd63c7f62ac97c50c592b09b48
http_headers	8d1c22bf0f2db28e85a98209d4278d93ae12a7984527859102a19e8d5c545b5c
dns_responses	65da9fe38c9d4499315565ab05bddc7aa3b2026981d7940df303d8e5ebe47780
tls_handshake	1288f690217dd70b95fbd465ee9d52fd8e2496e4eb9712aaf9be346a0a14fe43
connectivity_log	9b46f215ba747bcd548ad86ac8efe9bc94a241319f2fb1fd32b066213a7fc731
dns_resolution_times	13fa47ace2c4e845d9c62266996365904a65c419fd33a0fcfe78fdc4a11d364f

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	20.89	21.96	23.38	26.33	+2.5
Google	IPv4	39.39	50.73	27.77	39.98	-11.6
Google	IPv6	33.89	46.32	47.65	47.98	+13.8
Cloudflare	IPv4	19.9	30.32	14.25	24.28	-5.7
Cloudflare	IPv6	24.77	32.64	23.93	41.93	-0.8

DNS Evidence

A

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 31356
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
yes.my. 300 IN A 20.43.132.130
```

DS

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 10604
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
my. 300 IN SOA e.nic.my. hostmaster.nic.my. 2026052750 1800 900 604800 3600
```

MX

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 44390
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
yes.my. 300 IN MX 0 yes-my.mail.protection.outlook.com.
```

NS

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 61580
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 3

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
yes.my. 86400 IN NS ns1.yes.my.
yes.my. 86400 IN NS ns0.yes.my.
```

TXT

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 50643
;; flags: qr rd ra; QUERY: 1, ANSWER: 9, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
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 ip4:183.78.11.11 ip4:183.78.11.12 include:spf.protection.outlook.com include:_spf.google.com ~all"
yes.my. 300 IN TXT "MS=ms60525485"
yes.my. 300 IN TXT "bsxcrfbzpwrfn1pxy9gktfryzrw9kn1k"
yes.my. 300 IN TXT "MS=1FD88A87E404D70E9978EF0458EA0342E0184C5A"
yes.my. 300 IN TXT "google-site-verification=Yhko0FxMx2YhZzj3_-h2pmiw5K7o6VKMoIT2p50XGBw"
yes.my. 300 IN TXT "google-site-verification=gzZ8V38Ci0rKXqKYRm4wq6uvyVkv1bIiPYcPyj9Pjk"
yes.my. 300 IN TXT "google-site-verification=kBp8VdYwoNBW10LFSvYPbFLLmA5Jc0c0FLsZKH1bns"
yes.my. 300 IN TXT "MS=ms25442632"
yes.my. 300 IN TXT "google-site-verification=bUT1uNsHjrhWgU1Z753pRpYb7vDSZL2UEX0_scn0CuM"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 41613
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
yes.my.0005770IN0SOA0ns0.yes.my. hostmaster.ns0.yes.my. 2026061301 10800 3600 604800 600
```

RRSIG

```
ns0.yes.my. hostmaster.ns0.yes.my. 2026061301 10800 3600 604800 600
```

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 32213
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
yes.my.0005770IN0SOA0ns0.yes.my. hostmaster.ns0.yes.my. 2026061301 10800 3600 604800 600
```

DNSSEC_VALIDATION

```
; unsigned answer
yes.my.000863770IN0SOA0ns0.yes.my. hostmaster.ns0.yes.my. 2026061301 10800 3600 604800 600
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	20.43.132.130
Connect Time	30.11 ms
TTFB	113.1 ms
Total Time	113.2 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:20:43 GMT",
  "2": "Location: https://yes.my/",
  "4": "HTTP/2 301",
  "5": "content-type: text/html",
  "6": "date: Fri, 03 Jul 2026 19:20:44 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, 03 Jul 2026 19:20:44 GMT",
  "14": "server: nginx",
  "15": "accept-ranges: bytes",
  "16": "cache-control: max-age=3600",
  "17": "cache-control: public",
  "18": "etag: \"6a47ff1c-564c7\"",
  "19": "expires: Fri, 03 Jul 2026 20:20:44 GMT",
  "20": "last-modified: Fri, 03 Jul 2026 18:27:40 GMT",
  "21": "pragma: public",
  "22": "vary: Accept-Encoding",
  "23": "content-length: 353479",
  "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.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 *.adb.me *.quantcount.com *.hotjar.io wss://apis.adb.me *.myfreshworks.com *.tiktokw.us *.google.com *.google.com.my *.on.aws *.run.app https://t.co https://analytics.twitter.com; 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 *.hotjar.io *.cloudfront.net *.googletagmanager.com *.ads-twitter.com *.clevertap-prod.com sgl-unsubscribe.clevertap-pages.com *.innity.com *.innity.net https://avd.innity.net; 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 *.adb.me *.googletagmanager.com *.w.org *.gstatic.com *.googleapis.com *.jsdelivr.net *.google.com.my *.google.com *.wpdeveloper.com *.google.com.my *.bidr.io *.innity.com; 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 *.adb.me *.enzymic.co *.tiktok.com *.quantcount.com *.jsdelivr.net *.youtube.com *.google.com *.myfreshworks.com *.freshsales.io *.innity.net *.innity.com; 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 *.adb.me *.enzymic.co *.tiktok.com *.quantcount.com *.jsdelivr.net"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	20.43.132.130
Connect Time	19.66 ms
TTFB	111.05 ms
Total Time	111.14 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "content-type: text/html",
}
```

```

"2": "date: Fri, 03 Jul 2026 19:20:44 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, 03 Jul 2026 19:20:44 GMT",
"10": "server: nginx",
"11": "accept-ranges: bytes",
"12": "cache-control: max-age=3600",
"13": "cache-control: public",
"14": "etag: \"6a47ff1c-564c7\"",
"15": "expires: Fri, 03 Jul 2026 20:20:44 GMT",
"16": "last-modified: Fri, 03 Jul 2026 18:27:40 GMT",
"17": "pragma: public",
"18": "vary: Accept-Encoding",
"19": "content-length: 353479",
"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 ytlic.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 *.adbro.me *.quantcount.com *.hotjar.io wss://apis.adbro.me *.myfreshworks.com *.tiktokw.us *.google.com *.google.com.my *.on.aws *.run.app https://t.co https://analytics.twitter.com; 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 *.hotjar.io *.cloudfront.net *.googletagmanager.com *.ads-twitter.com *.clevertap-prod.com sgl-unsubscribe.clevertap-pages.com *.innity.com *.innity.net https://avd.innity.net; 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 *.bidr.io *.innity.com; 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 *.innity.net *.innity.com; 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"
}
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.008503 0.018082
TCP Connect IPv4 → port 443	301 0.008045 0.051280

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
```