

# IPv6 Readiness Report

yoodo.com.my — yoodo.com.my



Scan to verify

Category: Telco • Generated: 13 Jun 2026, 19:38 MYT • Last Checked: 13 Jun 2026, 01:28 MYT • Verification ID: 7655913c-cf28-4108-9b22-d62ed534cb66

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

Audit trail: <https://ipv6.my6.my/audit/7655913c-cf28-4108-9b22-d62ed534cb66>

<p><b>X</b></p> <p><b>Non-Compliant</b></p> <p>MGv6C-1.0</p>	<p><b>23%</b></p> <p><b>No IPv6 Support</b></p>	<p><b>IPv6-ONLY READINESS</b></p> <p>Website: <b>X Not Ready</b></p> <p>DNS: <b>X Not Ready</b></p> <p>Email: <b>X Not Ready</b></p>
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<p><b>IPv4 ADDRESSES</b></p> <p>162.215.226.7</p>
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## Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Unified Layer
Country	US
ASN	AS46606
ASN Name	UNIFIEDLAYER-AS-1 - Unified Layer, US
Network (CIDR)	162.214.0.0/15

Web Services (35%) <span style="float: right;">0 / 8</span>			
#	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%) <span style="float: right;">0 / 5</span>			
#	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	<b>Signing Algorithm</b>	<b>INFO</b>	No DNSKEY record found.

**Email Services** (25%) 3 / 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>PASS</b>	SPF record found.
6	<b>DKIM Selector</b>	<b>INFO</b>	No common DKIM selector found.
7	<b>DMARC Record</b>	<b>PASS</b>	DMARC record found.

**IPv4 Baseline** (15%) 2 / 3

#	CHECK	RESULT	DETAIL
1	<b>A Record</b>	<b>PASS</b>	162.215.226.7
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 377ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>FAIL</b>	HTTPS is not accessible over IPv4.

### Audit Trail & Evidence Record

Verification ID	7655913c-cf28-4108-9b22-d62ed534cb66
Domain	yoodo.com.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:25:40 MYT
Finished	13 Jun 2026, 01:28:18 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/7655913c-cf28-4108-9b22-d62ed534cb66

### Integrity Verification

<b>✓ INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	1e102f43c065f1f9ba54b6dec407f9947b0b249d2777eb153035349b724dfc14
http_headers	5f100e50f2522709b6b941f7cedff66b70fd04a361816e1becfd99b275584400
dns_responses	fca450c9c4f56ec2895f1b6316162a002090587ecaebdc4cab73b4e61bbd2e86
tls_handshake	75f2d571e29929a9cbb11e32fb8cdc2a79a0cd48e55f4866449880d93b2a0f83
connectivity_log	295cc2e0df9dc7e928eef415d3e59d5109baf178369c1cb2961aaa695c1c558e
dns_resolution_times	630470ab6cdad65835ae4b5da2ffad4f8aa5f94bc3fe9905415a07fa45f728af

### 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	11.42	19.97	20.1	22.9	+8.7
Google	IPv4	28.42	41.44	31.17	31.37	+2.8
Google	IPv6	23.86	29.68	27.09	39.96	+3.2
Cloudflare	IPv4	21.36	23.62	9.91	19.14	-11.5
Cloudflare	IPv6	23.21	29.78	22.27	26.24	-0.9



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 49018
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
yoodo.com.my. 300 IN A 162.215.226.7
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 3071
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 2178 IN SOA e.nic.my. hostmaster.nic.my. 2026046677 1800 900 604800 3600
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 41728
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
yoodo.com.my. 2225 IN MX 10 mx1.mailsentinel.net.
yoodo.com.my. 2225 IN MX 10 mx2.mailsentinel.net.
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 30338
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
yoodo.com.my. 2224 IN NS ns2.ipnama.net.
yoodo.com.my. 2224 IN NS ns1.ipnama.net.
```

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 429
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
yoodo.com.my. 425 IN TXT "google-site-verification=JToqyum_T-Bu5WCdUFP_VRLjYcAE7M4VQ3b7AYDRG4g"
yoodo.com.my. 425 IN TXT "v=spf1 mx ip4:111.90.130.0/24 ip4:111.90.139.0/24 include:spf.mailsentinel.net ~all"
```

### AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 23929
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
yoodo.com.my. 2214 IN SOA ns1.ipnama.net. adm_1213443.whoisprotection.cc. 2026040602 3600 7200 1209600 3600
```

### RRSIG

```
ns1.ipnama.net. adm_1213443.whoisprotection.cc. 2026040602 3600 7200 1209600 3600
```

### DNSKEY

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 21883
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
yoodo.com.my. 2214 IN SOA ns1.ipnama.net. adm_1213443.whoisprotection.cc. 2026040602 3600 7200 1209600 3600
```

**DNSSEC\_VALIDATION**

```
; unsigned answer
yoodo.com.my. 2214 IN SOA ns1.ipnama.net. adm_1213443.whoisprotection.cc. 2026040602 3600 7200 1209600 3600
```

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## TLS Handshake Evidence

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### IPv4 Connection

IP Used	162.215.226.7
IP Version	4

```
40B7561561760000:error:8000006E:system library:BI0_connect:Connection timed out:../crypto/bio/bio_sock2.c:114:calling connect()
40B7561561760000:error:10000067:BI0 routines:BI0_connect:connect error:../crypto/bio/bio_sock2.c:116:
connect:errno=110
```

## HTTP Response Evidence

### IPv4 HTTP (port 80)

HTTP Status	503
Connected IP	162.215.226.7
Connect Time	193.87 ms
TTFB	387.99 ms
Total Time	388.08 ms

#### Response Headers:

```
[
  "HTTP/1.1 503 Service Temporarily Unavailable",
  "Server: nginx",
  "Date: Fri, 12 Jun 2026 17:28:04 GMT",
  "Content-Type: text/html",
  "Content-Length: 190",
  "Connection: keep-alive"
]
```

### IPv4 HTTPS (port 443)

HTTP Status	0
Connected IP	
Connect Time	0 ms
TTFB	0 ms
Total Time	8001.83 ms
Error	Failed to connect to yoodo.com.my port 443 after 8001 ms: Timeout was reached

## Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.192618 0.386209
TCP Connect IPv4 → port 443	000 0.000000 0.000000

## 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
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### 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
```