


# IPv6 Readiness Report

yoodo.com.my — yoodo.com.my

Category: Telco • Generated: 21 Apr 2026, 18:57 MYT • Last Checked: 07 Mar 2026, 01:29 MYT • Verification ID: d4d69648-58ab-46f5-9d2c-50d4a3d469e7  
 Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>  
 Audit trail: <https://ipv6.my6.my/audit/d4d69648-58ab-46f5-9d2c-50d4a3d469e7>

 <b>Non-Compliant</b> <small>MGv6C-1.0</small>	<b>23%</b> <b>No IPv6 Support</b>	<b>IPv6-ONLY READINESS</b> Website: <b>X Not Ready</b> DNS: <b>X Not Ready</b> Email: <b>X Not Ready</b>
---	--------------------------------------	---

<b>IPv4 ADDRESSES</b> 162.215.226.7
--

## 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%)				0 / 8
#	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%)				0 / 5
#	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%) 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 — 424ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>FAIL</b>	HTTPS is not accessible over IPv4.

### Audit Trail & Evidence Record

Verification ID	d4d69648-58ab-46f5-9d2c-50d4a3d469e7
Domain	yoodo.com.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:27:10 MYT
Finished	07 Mar 2026, 01:29:59 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/d4d69648-58ab-46f5-9d2c-50d4a3d469e7

### Integrity Verification

<span style="color: green;">✓ INTEGRITY VERIFIED</span>	
Algorithm	hmac-sha256-v1
Root Hash	ca9d902042b84fad935d9bfd4659cebeab2544d07164f57af927a455d1016e75
http_headers	c90a1658ca290c22f887e610353e4c7d210dc6488b976c1829e42f4963b918ac
dns_responses	ec2a35a05bebfd491f6d1ff5e756e1ccf506c78385018f6da651da1a19123681
tls_handshake	f1b1286085d206fc2e42d5fabba565169c16e0f3e2d52873cca46ea18cf26e74
connectivity_log	7f6be44409794ff3125b5c060f7d6969bbc7b3d96f60c1309277806573e114c3
dns_resolution_times	b133ad6026a8d745b3552ca5517a283374ebc66d00d4926dcd734ef2eff9b176

### 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	6.83	15.21	7.65	16.24	+0.8
Google	IPv4	26.1	27.03	26.3	46.02	+0.2
Google	IPv6	22.89	28.75	25.58	34.51	+2.7
Cloudflare	IPv4	26.09	34.14	14.79	15.81	-11.3
Cloudflare	IPv6	30.37	38.5	34.49	44.86	+4.1



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 47060
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
yoodo.com.my. 300 IN A 162.215.226.7
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 7570
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 1011 IN SOA b.nic.my. hostmaster.nic.my. 2026018482 1800 900 604800 3600
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63134
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
yoodo.com.my. 2811 IN MX 10 mx1.mailsentinel.net.
yoodo.com.my. 2811 IN MX 10 mx2.mailsentinel.net.
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 35152
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

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

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 30566
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
yoodo.com.my. 1800 IN TXT "google-site-verification=JToqyum_T-Bu5WCdUFP_VRLjYcAE7M4VQ3b7AYDRG4g"
yoodo.com.my. 1800 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: 46522
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
yoodo.com.my. 1012 IN SOA ns1.ipnama.net. adm_1213443.whoisprotection.cc. 2025102801 3600 7200 1209600 3600
```

### RRSIG

```
ns1.ipnama.net. adm_1213443.whoisprotection.cc. 2025102801 3600 7200 1209600 3600
```

### DNSKEY

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 32591
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
yoodo.com.my. 1800 IN SOA ns1.ipnama.net. adm_1213443.whoisprotection.cc. 2025102801 3600 7200 1209600 3600
```

**DNSSEC\_VALIDATION**

```
; unsigned answer
yoodo.com.my. 2800 IN SOA ns1.ipnama.net. adm_1213443.whoisprotection.cc. 2025102801 3600 7200 1209600 3600
```

---

## TLS Handshake Evidence

---

### IPv4 Connection

IP Used	162.215.226.7
IP Version	4

```
40C74920FF730000:error:8000006E:system library:BI0_connect:Connection timed out:../crypto/bio/bio_sock2.c:114:calling connect()
40C74920FF730000: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	202.87 ms
TTFB	406.47 ms
Total Time	406.54 ms

#### Response Headers:

```
[
  "HTTP/1.1 503 Service Temporarily Unavailable",
  "Server: nginx",
  "Date: Fri, 06 Mar 2026 09:29:37 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	8002.92 ms
Error	Failed to connect to yoodo.com.my port 443 after 8002 ms: Timeout was reached

## Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.200404 0.402475
TCP Connect IPv4 → port 443	000 0.000000 0.000000

## 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
```