

IPv6 Readiness Report

thesundaily.my — thesundaily.my



Scan to verify

Category: News Portal • Generated: 13 Jun 2026, 19:13 MYT • Last Checked: 13 Jun 2026, 01:29 MYT • Verification ID: 1ee272d8-2452-4d23-85c1-c8147fa4a794

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

Audit trail: <https://ipv6.my6.my/audit/1ee272d8-2452-4d23-85c1-c8147fa4a794>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>18%</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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IPv4 ADDRESSES
158.101.178.245
130.61.205.105

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Oracle Public Cloud
Country	US
ASN	AS31898
ASN Name	ORACLE-BMC-31898 - Oracle Corporation, US
Network (CIDR)	158.101.0.0/16

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%) 3 / 6

#	CHECK	RESULT	DETAIL
1	MX Record Exists	PASS	MX record found.
2	MX Server Has IPv6	FAIL	MX server has no IPv6 address.
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: mail_domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 1 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	158.101.178.245, 130.61.205.105
2	HTTP over IPv4	FAIL	HTTP is not accessible over IPv4.
3	HTTPS over IPv4	FAIL	HTTPS is not accessible over IPv4.

Audit Trail & Evidence Record

Verification ID	1ee272d8-2452-4d23-85c1-c8147fa4a794
Domain	thesundaily.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:26:20 MYT
Finished	13 Jun 2026, 01:29:19 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/1ee272d8-2452-4d23-85c1-c8147fa4a794

Integrity Verification

<p>✓ INTEGRITY VERIFIED</p>	
Algorithm	hmac-sha256-v1
Root Hash	b04c07c5f28d3d88184ee6d63ef45ef0aadd4eb7bde37ff4057e2c5dfbdc5e9e
http_headers	6173906528dbcdce04323f777eef4398f56a951f2fb7ad08873d5644b3233e75
dns_responses	549917701f043cf9f9bcba535f0aceb4b25f71ecc2901001e026866d79f3fac3
tls_handshake	b7a8fcc3481dcc9c3ac9b3670c212ff1e7e37afab51681d4ac45e16fd26240a3
connectivity_log	c571529628ae93d3d5180dec20e307692d772428bf4569b1feeb29b40bc18e78
dns_resolution_times	e926569ac6979d0d8183e445abe7e80c20e666f4e190c08a6310b2592f4b2e87

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	20.38	23.19	18.27	19.21	-2.1
Google	IPv4	32.27	37.28	27.97	39.68	-4.3
Google	IPv6	18.12	34.8	32.23	38.48	+14.1
Cloudflare	IPv4	21.66	24.25	9.99	24.91	-11.7
Cloudflare	IPv6	25.12	29.06	37.35	68.44	+12.2

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 9961
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
thesundaily.my. 300 IN A 130.61.205.105
thesundaily.my. 300 IN A 158.101.178.245
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 927
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
my. 1989 IN SOA e.nic.my. hostmaster.nic.my. 2026046676 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 6845
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
thesundaily.my. 13202 IN MX 0 mail.thesundaily.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 56271
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
thesundaily.my. 85181 IN NS ns1.vxs-secure.com.
thesundaily.my. 85181 IN NS ns2.vxs-secure.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 29953
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
thesundaily.my. 700 IN TXT "facebook-domain-verification=peetdqg8m295s7dlqlg2silbr6h8h3"
thesundaily.my. 700 IN TXT "v=spf1 a mx include:spf.cleanmail.asia +ip4:137.59.110.173 +ip4:137.59.110.172 +ip4:137.59.110.82 +ip4:202.188.143.20 +ip4:202.188.143.18 -all"
thesundaily.my. 700 IN TXT "google-site-verification=zKAKLMErhyMh40Tmu4JXZvq2rmbALNIWSUGEDSo0jXM"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 5454
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
thesundaily.my. 2381 IN SOA ns1.vxs-secure.com. root.ns1.vxs-secure.com. 2026060204 3600 1800 1209600 86400
```

RRSIG

```
ns1.vxs-secure.com. root.ns1.vxs-secure.com. 2026060204 3600 1800 1209600 86400
```

DNSKEY

```
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 30176
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
thesundaily.my. 2381 IN SOA ns1.vxs-secure.com. root.ns1.vxs-secure.com. 2026060204 3600 1800 1209600 86400
```

DNSSEC_VALIDATION

```
; unsigned answer
thesundaily.my. 85181 IN SOA ns1.vxs-secure.com. root.ns1.vxs-secure.com. 2026060204 3600 1800 1209600 86400
```

TLS Handshake Evidence

IPv4 Connection

IP Used	158.101.178.245
IP Version	4

```
40E70BDC8F740000:error:8000006E:system library: BIO_connect: Connection timed out:../crypto/bio/bio_sock2.c:114:calling connect()
40E70BDC8F740000:error:10000067: BIO routines: BIO_connect: connect error:../crypto/bio/bio_sock2.c:116:
connect:errno=110
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	0
Connected IP	
Connect Time	0 ms
TTFB	0 ms
Total Time	8002.21 ms
Error	Failed to connect to thesundaily.my port 80 after 8002 ms: Timeout was reached

IPv4 HTTPS (port 443)

HTTP Status	0
Connected IP	
Connect Time	0 ms
TTFB	0 ms
Total Time	8001.95 ms
Error	Failed to connect to thesundaily.my port 443 after 8001 ms: Timeout was reached

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	000 0.000000 0.000000
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
```