IPv6 Readiness Report

borneopost.com.my — borneopost.com.my

Scan to verify

Category: News Portal • Generated: 02 Nov 2026, 03:05 MYT • Last Checked: 08 Aug 2026, 18:21 MYT • Verification ID: aeb5fc16-5d20-4b8c-9932-502d2a1c7437
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/aeb5fc16-5d20-4b8c-9932-502d2a1c7437

✗
Non-Compliant
MGv6C-1.0

0%
No IPv6 Support

IPV6-ONLY READINESS
Website: ✗ **Not Ready**
DNS: ✗ **Not Ready**
Email: ✗ **Not Ready**

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%) 0 / 6

#	CHECK	RESULT	DETAIL
1	**MX Record Exists**	FAIL	No MX record found in DNS.
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**	FAIL	No SPF record found.
6	**DKIM Selector**	INFO	No common DKIM selector found.

#	CHECK	RESULT	DETAIL
7	**DMARC Record**	**FAIL**	No DMARC record found.

IPv4 Baseline (15%) — 0 / 3

#	CHECK	RESULT	DETAIL
1	**A Record**	**FAIL**	No A record found in DNS.
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	aeb5fc16-5d20-4b8c-9932-502d2a1c7437
Domain	borneopost.com.my
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:21:50 MYT
Finished	08 Aug 2026, 18:21:52 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/aeb5fc16-5d20-4b8c-9932-502d2a1c7437

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	67a59260ceea4ddae992281791ff832e359da64dfb03fbc735a6d47ffa54c0bc
http_headers	6ede7eacb14b76f4ce35f71f6be0c7789fffa29139c6c6777ef656441a7bcc48
dns_responses	4dc00633ad0af1ffbafa2060c4afd8872336537fadd305675e3a5c5b90d56384
tls_handshake	6ede7eacb14b76f4ce35f71f6be0c7789fffa29139c6c6777ef656441a7bcc48
connectivity_log	6ede7eacb14b76f4ce35f71f6be0c7789fffa29139c6c6777ef656441a7bcc48
dns_resolution_times	98bcec6f12967cee184df92307e339058afa5521c307f96f6e50a71e8807120e

Test Node Identity

Os	Linux srv1440888 6.8.0-136-generic #136-Ubuntu SMP PREEMPT_DYNAMIC Wed Jul 1 21:53:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.33
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	22.39	29.35	21.06	22.67	-1.3
Google	IPv4	92.29	106.27	87	159.47	-5.3
Google	IPv6	89.71	95.01	100.37	138.99	+10.7
Cloudflare	IPv4	32.73	37.39	21.34	27.24	-11.4
Cloudflare	IPv6	34.17	35.27	21.41	33.07	-12.8

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 39393
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.□□□3576□IN□SOA□e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 58068
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.□□□3576□IN□SOA□e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 16361
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.□□□3576□IN□SOA□e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 63790
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.□□□3576□IN□SOA□e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 36513
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.□□□3576□IN□SOA□e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 15383
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.□□□3576□IN□SOA□e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

RRSIG

```

```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 19411
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
```

```
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.□□□3576□IN□SOA□e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

DNSSEC_VALIDATION

```
;; resolution failed: ncache nxdomain
; negative response, fully validated
; borneopost.com.my.□2200□IN□\-ANY□;-$NXDOMAIN
; com.my. SOA e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
; com.my. RRSIG SOA ...
; bp4i0g1a8dj31hms6l3bafqp2pjt1h93.com.my. RRSIG NSEC3 ...
; bp4i0g1a8dj31hms6l3bafqp2pjt1h93.com.my. NSEC3 1 1 0 - BU78SVFQEFSN52QDACQQ6ABQ9LVGUKSP NS DS RRSIG
; hbi5pulqmp4be04ud7cbp8pf1qnurhue.com.my. RRSIG NSEC3 ...
; hbi5pulqmp4be04ud7cbp8pf1qnurhue.com.my. NSEC3 1 1 0 - HDL28283D7A2C748RME0J82EOJHTEEAM NS SOA RRSIG DNSKEY NSEC3PARAM
; uhldlani1kc8fa4pmpnhcmjij4061m7g.com.my. RRSIG NSEC3 ...
; uhldlani1kc8fa4pmpnhcmjij4061m7g.com.my. NSEC3 1 1 0 - UN486C036JNJCI003ARP22OSO7RHD7R6 NS DS RRSIG
```

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
fd7a:115c:a1e0::1136:5807 dev tailscale0 proto kernel metric 256 pref medium
fe80::/64 dev eth0 proto kernel metric 256 pref medium
fe80::/64 dev tailscale0 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
```