

IPv6 Readiness Report

borneopost.com.my — borneopost.com.my

Category: News Portal • Generated: 21 Apr 2026, 19:13 MYT • Last Checked: 07 Mar 2026, 01:17 MYT • Verification ID: baf737f1-d153-4a14-8b83-ae51a8399af4

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

Audit trail: <https://ipv6.my6.my/audit/baf737f1-d153-4a14-8b83-ae51a8399af4>

X**Non-Compliant**

MGv6C-1.0

0%**No IPv6 Support****IPv6-ONLY READINESS**Website: **X Not Ready**DNS: **X Not Ready**Email: **X 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.
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	baf737f1-d153-4a14-8b83-ae51a8399af4
Domain	borneopost.com.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:17:52 MYT
Finished	07 Mar 2026, 01:17:53 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/baf737f1-d153-4a14-8b83-ae51a8399af4

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	8b963ecc574fc0892f5c8bcaa7362d314ade7af9a50070031a256049f14f92be
http_headers	6ede7eacb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
dns_responses	dfa2e335d303874343f783ff80a9d577e260a39668b1a241c1f5c1eed52d018d
tls_handshake	6ede7eacb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
connectivity_log	6ede7eacb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
dns_resolution_times	b56ee0f71456f36658e88a18972d6a05b9d586827ffd6dccb01fe3895dd183

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	21.99	29.66	19.07	28.08	-2.9
Google	IPv4	31.06	33.02	29.56	31	-1.5
Google	IPv6	20	21.96	20.18	31.87	+0.2
Cloudflare	IPv4	20.45	27.77	9.71	13.92	-10.7
Cloudflare	IPv6	9.06	18.47	9.99	19.55	+0.9

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 45938
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 1800 IN SOA b.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 47623
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 1800 IN SOA b.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 50117
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 1800 IN SOA b.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 8645
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 1800 IN SOA b.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 11067
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 1800 IN SOA b.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 48211
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 1800 IN SOA b.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
```

RRSIG

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 48357
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
```

```
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. IN SOA b.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
```

DNSSEC_VALIDATION

```
;; resolution failed: ncache nxdomain
; negative response, fully validated
; borneopost.com.my. IN ANY - $NXDOMAIN
; com.my. SOA b.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
; com.my. RRSIG SOA ...
; bp4i0g1a8dj3lhms6l3bafqp2pjt1h93.com.my. RRSIG NSEC3 ...
; bp4i0g1a8dj3lhms6l3bafqp2pjt1h93.com.my. NSEC3 1 1 0 - BU78SVFQEFNS52QDAC0Q6ABQ9LVGUKSP NS DS RRSIG
; hbi5pulqmp4be04ud7cbp8pf1qnurhue.com.my. RRSIG NSEC3 ...
; hbi5pulqmp4be04ud7cbp8pf1qnurhue.com.my. NSEC3 1 1 0 - HDL28283D7A2C748RME0J82E0JHTEEM NS SOA RRSIG DNSKEY NSEC3PARAM
; uhldlanilk8fa4pmpnhcmjij4061m7g.com.my. RRSIG NSEC3 ...
; uhldlanilk8fa4pmpnhcmjij4061m7g.com.my. NSEC3 1 1 0 - UN486C036JNJC1003ARP220S07RHD7R6 NS DS RRSIG
```

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
```