

IPv6 Readiness Report

borneopost.com.my — borneopost.com.my



Scan to verify

Category: News Portal • Generated: 04 Jul 2026, 22:28 MYT • Last Checked: 04 Jul 2026, 03:28 MYT • Verification ID: 5f0d3384-1a8f-4702-b5aa-2f6d5fc25c1a

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

Audit trail: <https://ipv6.my6.my/audit/5f0d3384-1a8f-4702-b5aa-2f6d5fc25c1a>

<p>Non-Compliant MGv6C-1.0</p>	<p>0% 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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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	5f0d3384-1a8f-4702-b5aa-2f6d5fc25c1a
Domain	borneopost.com.my
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:28:47 MYT
Finished	04 Jul 2026, 03:28:48 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/5f0d3384-1a8f-4702-b5aa-2f6d5fc25c1a

Integrity Verification

<p>✓ INTEGRITY VERIFIED</p>	
Algorithm	hmac-sha256-v1
Root Hash	b9490bd245def2776c0a9ccfb90a46939aeb7e32c9f5c7a510cd07bb4cce0ff
http_headers	6ede7eacb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
dns_responses	f923dcb14ad2105408b2116e5ea200002a021236d97d418dda4c3dfd3c28d1c2
tls_handshake	6ede7eacb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
connectivity_log	6ede7eacb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
dns_resolution_times	a2d5a37af4f202ffd9f98048c6cd8cad6de42f9ec17ca89aed8b661b100d359a

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	8.3.32
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	21.87	22.83	10.16	21.04	-11.7
Google	IPv4	24.94	29.92	33.75	38.07	+8.8
Google	IPv6	32.19	32.62	29.65	30.84	-2.5
Cloudflare	IPv4	9.94	19.99	10.14	20.2	+0.2
Cloudflare	IPv6	21.72	22.95	22.74	36.04	+1

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 9648
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3600 IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 6045
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3600 IN IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 19262
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3600 IN IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 37501
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3600 IN IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 63163
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3600 IN IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 46894
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3600 IN IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

RRSIG

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 12689
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
```

```
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3600 IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

DNSSEC_VALIDATION

```
;; resolution failed: ncache nxdomain
; negative response, fully validated
; borneopost.com.my. 2051 IN ANY - $NXDOMAIN
; com.my. SOA e.nic.my. hostmaster.nic.my. 2026052755 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
; uhldlani1kc8fa4pmpnhcmjij4061m7g.com.my. RRSIG NSEC3 ...
; uhldlani1kc8fa4pmpnhcmjij4061m7g.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
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
```