

# IPv6 Readiness Report

borneopost.com.my — borneopost.com.my



Scan to verify

Category: News Portal • Generated: 13 Jun 2026, 18:52 MYT • Last Checked: 13 Jun 2026, 01:06 MYT • Verification ID: ca60e2a8-3f45-480d-b8eb-9215a882b6d5

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

Audit trail: <https://ipv6.my6.my/audit/ca60e2a8-3f45-480d-b8eb-9215a882b6d5>

<p><b>X</b></p> <p><b>Non-Compliant</b></p> <p>MGv6C-1.0</p>	<p><b>0%</b></p> <p><b>No IPv6 Support</b></p>	<p><b>IPv6-ONLY READINESS</b></p> <p>Website: <b>X Not Ready</b></p> <p>DNS: <b>X Not Ready</b></p> <p>Email: <b>X Not Ready</b></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	<b>DMARC Record</b>	<b>FAIL</b>	No DMARC record found.

**IPv4 Baseline** (15%)

**0 / 3**

#	CHECK	RESULT	DETAIL
1	<b>A Record</b>	<b>FAIL</b>	No A record found in DNS.
2	<b>HTTP over IPv4</b>	<b>FAIL</b>	HTTP is not accessible over IPv4.
3	<b>HTTPS over IPv4</b>	<b>FAIL</b>	HTTPS is not accessible over IPv4.

### Audit Trail & Evidence Record

Verification ID	ca60e2a8-3f45-480d-b8eb-9215a882b6d5
Domain	borneopost.com.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:06:31 MYT
Finished	13 Jun 2026, 01:06:33 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/ca60e2a8-3f45-480d-b8eb-9215a882b6d5

### Integrity Verification

<b>✓ INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	d95b221503549d0c33711c5fbdae7de5b5aa7bc8339b70b16565f48f3e40732c
http_headers	6ede7eachb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
dns_responses	54b59d59dda67964131ed5a54ccc2a6f74ca60c2c3f15aafec5d1ddf25444c2
tls_handshake	6ede7eachb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
connectivity_log	6ede7eachb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
dns_resolution_times	2cef2df9f27ed8bbc68347fa5dda3cc39fa559d9b68d3a91b0189df9e3332d2b

### 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	11.63	27.42	22.88	23.46	+11.3
Google	IPv4	23.36	25.27	25.29	34.45	+1.9
Google	IPv6	26.55	35.47	34.76	44.96	+8.2
Cloudflare	IPv4	22.47	26.05	26.71	33.68	+4.2
Cloudflare	IPv6	13.49	18.1	22.92	26.97	+9.4



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 19315
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3336 IN SOA e.nic.my. hostmaster.nic.my. 2026046677 1800 900 604800 3600
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 2997
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3336 IN IN SOA e.nic.my. hostmaster.nic.my. 2026046677 1800 900 604800 3600
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 28882
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3336 IN IN SOA e.nic.my. hostmaster.nic.my. 2026046677 1800 900 604800 3600
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 6815
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3336 IN IN SOA e.nic.my. hostmaster.nic.my. 2026046677 1800 900 604800 3600
```

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 33781
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3336 IN IN SOA e.nic.my. hostmaster.nic.my. 2026046677 1800 900 604800 3600
```

### AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 56344
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3336 IN IN SOA e.nic.my. hostmaster.nic.my. 2026046677 1800 900 604800 3600
```

### RRSIG

### DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 3928
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
```

```
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3336 IN SOA e.nic.my. hostmaster.nic.my. 2026046677 1800 900 604800 3600
```

DNSSEC\_VALIDATION

```
;; resolution failed: ncache nxdomain
; negative response, fully validated
; borneopost.com.my. 2498 IN ANY - $NXDOMAIN
; com.my. SOA e.nic.my. hostmaster.nic.my. 2026046677 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
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142
```