

IPv6 Readiness Report

amislamicbank.com.my — amislamicbank.com.my

Category: Banking • Generated: 20 Apr 2026, 21:22 MYT • Last Checked: 07 Mar 2026, 01:00 MYT • Verification ID: 8d5714d1-892c-455e-a391-a4a8577b7b9f

Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>Audit trail: <https://ipv6.my6.my/audit/8d5714d1-892c-455e-a391-a4a8577b7b9f>**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	8d5714d1-892c-455e-a391-a4a8577b7b9f
Domain	amislamicbank.com.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:00:01 MYT
Finished	07 Mar 2026, 01:00:03 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/8d5714d1-892c-455e-a391-a4a8577b7b9f

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	1ad117e59489ba5e2d1f710dac7cd8db61a617c4fe0a3f52840c454a46ca444b
http_headers	6ede7eacb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
dns_responses	d9fa745f6b070842c02108a0be33fced5c0bea5d869a5a9a6cf8296930f4a4fe
tls_handshake	6ede7eacb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
connectivity_log	6ede7eacb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
dns_resolution_times	46d29a57b381f609fb405c4e31856092dd6f0ef2250b82578549faad49747f35

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	-

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	17.36	31.79	20.15	20.25	+2.8
Google	IPv4	23.66	31.36	19.19	39.48	-4.5
Google	IPv6	38.69	40.07	28.05	46.03	-10.6
Cloudflare	IPv4	20.18	22.18	19.95	20.53	-0.2
Cloudflare	IPv6	9.88	30.41	13.64	19.07	+3.8

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 10746
;; 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. 2026018479 1800 900 604800 3600
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 26340
;; 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. 2026018479 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 30368
;; 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. 2026018479 1800 900 604800 3600
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 62964
;; 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. 2026018479 1800 900 604800 3600
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 47928
;; 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. 2026018479 1800 900 604800 3600
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 5870
;; 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. 2026018479 1800 900 604800 3600
```

RRSIG

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 36297
;; 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. 2026018479 1800 900 604800 3600
```

DNSSEC_VALIDATION

```
;; resolution failed: ncache nxdomain
; negative response, fully validated
; amilamicbank.com.my. IN ANY - $NXDOMAIN
; com.my. SOA b.nic.my. hostmaster.nic.my. 2026018479 1800 900 604800 3600
; com.my. RRSIG SOA ...
; hbi5pulqmp4be04ud7cbp8pf1qnurhue.com.my. RRSIG NSEC3 ...
; hbi5pulqmp4be04ud7cbp8pf1qnurhue.com.my. NSEC3 1 1 0 - HDL28283D7A2C748RME0J82E0JHTEEAM NS SOA RRSIG DNSKEY NSEC3PARAM
; so0500tof8n4us2uol3tbgilkrt7p0.com.my. RRSIG NSEC3 ...
; so0500tof8n4us2uol3tbgilkrt7p0.com.my. NSEC3 1 1 0 - STN3700JP769KH0I90LBPRF9BC6D90SM NS DS RRSIG
; uhldlanilk8fa4pmpnhcmjij4061m7g.com.my. RRSIG NSEC3 ...
; uhldlanilk8fa4pmpnhcmjij4061m7g.com.my. NSEC3 1 1 0 - UN486C036JNJC003ARP220S07RHD7R6 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
```