

# IPv6 Readiness Report

amislamicbank.com.my — amislamicbank.com.my



Scan to verify

Category: Banking • Generated: 13 Jun 2026, 18:38 MYT • Last Checked: 13 Jun 2026, 00:48 MYT • Verification ID: 66929339-0728-4802-9cde-a79d7a70a579

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

Audit trail: <https://ipv6.my6.my/audit/66929339-0728-4802-9cde-a79d7a70a579>

<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	66929339-0728-4802-9cde-a79d7a70a579
Domain	amislamicbank.com.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 00:48:24 MYT
Finished	13 Jun 2026, 00:48:26 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/66929339-0728-4802-9cde-a79d7a70a579

### Integrity Verification

<b>✓ INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	8fc31171e808d77b7904f8b4bc7933908353f55bc228f48abb366de3d45f68ff
http_headers	6ede7eachb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
dns_responses	16f8465dd0045632aa049d00e3bb87e45a80611b9219eeaca6f0f45aa44fe785
tls_handshake	6ede7eachb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
connectivity_log	6ede7eachb14b76f4ce35f71f6be0c7789ffa29139c6c6777ef656441a7bcc48
dns_resolution_times	5978cc7839fa8bfc1bcc5094586986c59bfd2b3d25c53b900731fe1735729b81

### 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	27.23	32.55	32.81	33.78	+5.6
Google	IPv4	24.15	33.43	25.23	38.26	+1.1
Google	IPv6	31.79	33.2	24.73	33.01	-7.1
Cloudflare	IPv4	22.51	22.84	23.61	25.21	+1.1
Cloudflare	IPv6	9.39	13.11	15.35	38.06	+6



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 28032
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3585 IN SOA e.nic.my. hostmaster.nic.my. 2026046671 1800 900 604800 3600
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 54542
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3585 IN SOA e.nic.my. hostmaster.nic.my. 2026046671 1800 900 604800 3600
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 27529
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3585 IN SOA e.nic.my. hostmaster.nic.my. 2026046671 1800 900 604800 3600
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 13608
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3585 IN SOA e.nic.my. hostmaster.nic.my. 2026046671 1800 900 604800 3600
```

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 57571
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3585 IN SOA e.nic.my. hostmaster.nic.my. 2026046671 1800 900 604800 3600
```

### AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 15397
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3585 IN SOA e.nic.my. hostmaster.nic.my. 2026046671 1800 900 604800 3600
```

### RRSIG

### DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 62654
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
```

```
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. IN SOA e.nic.my. hostmaster.nic.my. 2026046671 1800 900 604800 3600
```

**DNSSEC\_VALIDATION**

```
;; resolution failed: ncache nxdomain
; negative response, fully validated
; amilamicbank.com.my. IN ANY - $NXDOMAIN
; com.my. SOA e.nic.my. hostmaster.nic.my. 2026046671 1800 900 604800 3600
; com.my. RRSIG SOA ...
; hbi5pulqmp4be04ud7cbp8pf1qnurhue.com.my. RRSIG NSEC3 ...
; hbi5pulqmp4be04ud7cbp8pf1qnurhue.com.my. NSEC3 1 1 0 - HDL28283D7A2C748RME0J82E0JHTEEM 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	unreachable
IPv6 Egress	unreachable

**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
```