

# IPv6 Readiness Report

bsn.com.my — bsn.com.my



Scan to verify

Category: Banking • Generated: 13 Jun 2026, 19:06 MYT • Last Checked: 13 Jun 2026, 00:48 MYT • Verification ID: fefeea18-2158-4435-b36b-7b1967251bad  
Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>  
Audit trail: <https://ipv6.my6.my/audit/fefeaa18-2158-4435-b36b-7b1967251bad>

<p><b>X</b></p> <p><b>Non-Compliant</b></p> <p>MGv6C-1.0</p>	<p><b>28%</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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IPv4 ADDRESSES
211.25.204.27

## Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	TT DOTCOM SDN BHD
Country	MY
ASN	AS9930
ASN Name	TTNET-MY - TIME dotCom Berhad No. 14, Jalan Majistret U1/26 Hicom Glenmarie Industrial Park 40150 Shah Alam Selangor, Malaysia, MY
Network (CIDR)	211.24.0.0/15

Web Services (35%) <span style="float: right;">0 / 8</span>			
#	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%) <span style="float: right;">0 / 5</span>			
#	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.

#	CHECK	RESULT	DETAIL
8	<b>Signing Algorithm</b>	<b>INFO</b>	No DNSKEY record found.

**Email Services** (25%) 3 / 6

#	CHECK	RESULT	DETAIL
1	<b>MX Record Exists</b>	<b>PASS</b>	MX record found.
2	<b>MX Server Has IPv6</b>	<b>FAIL</b>	MX server has no IPv6 address.
3	<b>SMTP Reachable via IPv6</b>	<b>FAIL</b>	SMTP is not reachable over IPv6.
4	<b>STARTTLS over IPv6</b>	<b>FAIL</b>	STARTTLS not available over IPv6.
5	<b>SPF Record</b>	<b>PASS</b>	SPF record found.
6	<b>DKIM Selector</b>	<b>INFO</b>	DKIM selector found: mail_domainkey
7	<b>DMARC Record</b>	<b>PASS</b>	DMARC record found.

**IPv4 Baseline** (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	<b>A Record</b>	<b>PASS</b>	211.25.204.27
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 2098ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 1830ms TTFB.

### Audit Trail & Evidence Record

Verification ID	fefeaa18-2158-4435-b36b-7b1967251bad
Domain	bsn.com.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 00:48:35 MYT
Finished	13 Jun 2026, 00:48:46 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/fefeaa18-2158-4435-b36b-7b1967251bad

### Integrity Verification

<b>✓ INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	fa00e6a5e6f75b1b11c252151c48c7f49c13f64d4fa89709062b072e08eba27d
http_headers	a6bf53b1027ab77a9b6540a686d0c967f939604a9b1b4396ae49a734b7fb7240
dns_responses	e060bc1acf7ec06e57b751f664df7839d23f183350a7bbeb5a6076801e7d4cc5
tls_handshake	744fab54fad7b4c6849cb48e6b89d212f6bfbc5b51e99338cd37cec3527518
connectivity_log	017bc978c1e6bf631fe5f1c4444f34167dde6910ad35f9b32d686466fb5f203d
dns_resolution_times	7da05e2781a1669d1618554450b48adcb9709996fd47d0835b3e67f693843ffb

### 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	-
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	7.93	25.68	6.1	7.89	-1.8
Google	IPv4	32.22	38.58	40.77	47.16	+8.6
Google	IPv6	33.43	40.63	38.47	41.33	+5
Cloudflare	IPv4	16.5	24.3	24.71	26.66	+8.2
Cloudflare	IPv6	36.34	43.44	21.95	28.3	-14.4



## DNS Evidence

### A

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 38037
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bsn.com.my. 300 IN A 211.25.204.27
```

### DS

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 14768
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3569 IN SOA e.nic.my. hostmaster.nic.my. 2026046671 1800 900 604800 3600
```

### MX

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 10108
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bsn.com.my. 3600 IN MX 5 mx2.bsn.com.my.
bsn.com.my. 3600 IN MX 5 mx1.bsn.com.my.
```

### NS

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 13544
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 4

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bsn.com.my. 300 IN NS bsndns3.bsn.com.my.
bsn.com.my. 300 IN NS bsndns3tm.bsn.com.my.
bsn.com.my. 300 IN NS bsndns.bsn.com.my.
```

### TXT

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 24130
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bsn.com.my. 3600 IN TXT "brevo-code:43fa2bfdcc23441c01ce1a5e9cb0694a"
bsn.com.my. 3600 IN TXT "v=spf1 mx a:mx1.bsn.com.my a:mx2.bsn.com.my a:mx3.bsn.com.my ip4:58.27.45.149/32 ip4:211.25.204.14/32 ip4:211.25.204.2/32 ip4:202.187.110.14/32 ip4:1.9.17.14/32 ip4:202.187.110.59/32 ip4:77.32.147.47/32 ip4:77.32.143.180/32 ip4:172.246.24.59/32 ip4:2 "11.25.204.3/32 ip4:1.9.17.3/32 ip4:211.25.204.34/32 ip4:210.187.40.194/32 ip4:103.251.2.146 include:spf.protection.outlook.com -all"
```

### AAAA

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 58145
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
bsn.com.my. 3594 IN SOA bsndns3.bsn.com.my. admin.dnsvault.net. 2026050605 1800 1200 86400 5400
```

### RRSIG

```
bsndns3.bsn.com.my. admin.dnsvault.net. 2026050605 1800 1200 86400 5400
```

**DNSKEY**

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 45816
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
bsn.com.my. 3594 IN SOA bsndns3.bsn.com.my. admin.dnsvault.net. 2026050605 1800 1200 86400 5400
```

**DNSSEC\_VALIDATION**

```
; unsigned answer
bsn.com.my. 3594 IN SOA bsndns3.bsn.com.my. admin.dnsvault.net. 2026050605 1800 1200 86400 5400
```













### Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	302 0.001869 0.005712
TCP Connect IPv4 → port 443	301 0.002243 0.033239

### Test Node Network Evidence

Node Profile	dual stack
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### Egress Connectivity

IPv4 Egress	unreachable
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
```