

IPv6 Readiness Report

bsn.com.my — bsn.com.my

Category: Banking • Generated: 21 Apr 2026, 18:00 MYT • Last Checked: 07 Mar 2026, 01:00 MYT • Verification ID: 459b913d-9dfa-4e94-994f-efae1725a

Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>Audit trail: <https://ipv6.my6.my/audit/459b913d-9dfa-4e94-994f-efae1725a>**X****Non-Compliant**

MGv6C-1.0

28%**No IPv6 Support****IPV6-ONLY READINESS**Website: **X Not Ready**DNS: **X Not Ready**Email: **X Not Ready****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 U126 Hicom Glenmarie Industrial Park 40150 Shah Alam Selangor, Malaysia, MY
Network (CIDR)	211.24.0.0/15

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%) 3 / 6

#	CHECK	RESULT	DETAIL
1	MX Record Exists	PASS	MX record found.
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	PASS	SPF record found.
6	DKIM Selector	INFO	No common DKIM selector found.
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	211.25.204.27
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 1629ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 1747ms TTFB.

Audit Trail & Evidence Record

Verification ID	459b913d-9dfa-4e94-994f-efae1725a
Domain	bsn.com.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:00:14 MYT
Finished	07 Mar 2026, 01:00:27 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/459b913d-9dfa-4e94-994f-efae1725a

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	ce8571400d3fb1ee596de79588366d815a71ea73777a54865a786923bc4ae8f4
http_headers	1bb43e126fa2dfa9f77556c83def7bcb163d6d44ed9fff82135010102d07640
dns_responses	c06b1cad5ec2daee3bca99cdb903523b1fdf6abf265167165e46f6d3ccd4a063
tls_handshake	744fab54fad7b4c6849cb48e6b89d212f6fbce5b51e99338cd37cec3527518
connectivity_log	9c24438b7d25344e29003ced516810af905b859a5c8621b5da4c3bee854c2ab7
dns_resolution_times	93135431b950d1a4de32dfa12494209dca8d680b481e1225ef9dff5a375fbcdb

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	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	7.16	11.77	25.79	30.02	+18.6
Google	IPv4	26.84	41.62	17.01	18.98	-9.8
Google	IPv6	40.07	46.44	27.08	29.73	-13
Cloudflare	IPv4	22.01	23.19	20.77	21.14	-1.2
Cloudflare	IPv6	20.3	25.9	10.86	12.78	-9.4

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 24279
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
bsn.com.my. 00232 IN A 211.25.204.27
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 15926
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 001800 IN SOA b.nic.my. hostmaster.nic.my. 2026018479 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 36169
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
bsn.com.my. 00917 IN MX 5 mx1.bsn.com.my.
bsn.com.my. 00917 IN MX 5 mx2.bsn.com.my.
bsn.com.my. 00917 IN MX 50 mx3.bsn.com.my.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 12116
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
bsn.com.my. 00235 IN NS bsdns.bsn.com.my.
bsn.com.my. 00235 IN NS bsdns3.bsn.com.my.
bsn.com.my. 00235 IN NS bsdns3tm.bsn.com.my.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 27334
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
bsn.com.my. 003143 IN TXT "_globalsign-domain-verification=SLldAMX8skErXfile0hoiuq9k0nLk3nQQUqg-w45Y"
bsn.com.my. 003143 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: 39227
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
bsn.com.my. 00397 IN SOA bsdns3.bsn.com.my. admin.dnsvault.net. 2026020602 1800 1200 86400 5400
```

RRSIG

```
bsdns3.bsn.com.my. admin.dnsvault.net. 2026020602 1800 1200 86400 5400
```

DNSKEY

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 33379  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 512  
;; AUTHORITY SECTION:  
bsn.com.my. 1795 IN SOA bsdns3.bsn.com.my. admin.dnsvault.net. 2026020602 1800 1200 86400 5400
```

DNSSEC_VALIDATION

```
; unsigned answer  
bsn.com.my. 2512 IN SOA bsdns3.bsn.com.my. admin.dnsvault.net. 2026020602 1800 1200 86400 5400
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	211.25.204.27
Connect Time	10.02 ms
TTFB	2383.71 ms
Total Time	2384.02 ms

Response Headers:

```
{
  "0": "HTTP/1.0 302 Moved Temporarily",
  "1": "Location: https://bsn.com.my/",
  "2": "Server: BigIP",
  "3": "Connection: Keep-Alive",
  "4": "Content-Length: 0",
  "6": "HTTP/1.1 301 Moved Permanently",
  "7": "Date: Fri, 06 Mar 2026 09:00:21 GMT",
  "8": "Content-Type: text/html",
  "9": "Content-Length: 162",
  "10": "Connection: close",
  "11": "Location: https://www.bsn.com.my/",
  "12": "Set-Cookie: Path=/; HttpOnly; Secure",
  "13": "X-Frame-Options: DENY",
  "14": "Content-Security-Policy: connect-src 'self' 'unsafe-hashes' data: blob: analytics.google.com wss://r3.cloud.yellow.ai *.yellow.ai analytics.tiktok.com www.google-analytics.com *.doubleclick.net;default-src 'self'; font-src * data: blob:;img-src * data:;script-src * 'unsafe-inline' 'unsafe-eval';style-src * 'unsafe-inline';frame-src *",
  "15": "Set-Cookie: TS0120fd3f=01826f0b61f2bbd416a2417872dbaf906901a64e19fef62440b87158797579b652b9103c21728ce6d87f800ae858d1c3b8f4c3fa2; Path=/",
  "16": "Set-Cookie: TS0120fd3f028=0157516442eab0d6290cbe9587e6c04bacc58370fe22119ea51b6b1cdbc34b88d75124ddb9393a19f1e222bf8e70579ab1d2866e0f; Path=/",
  "18": "HTTP/1.1 302 Found",
  "19": "Date: Fri, 06 Mar 2026 09:00:22 GMT",
  "20": "Content-Type: text/html; charset=UTF-8",
  "21": "Connection: close",
  "22": "Cache-Control: private, must-revalidate",
  "23": "Location: https://www.bsn.com.my/page/islamic-index",
  "24": "pragma: no-cache",
  "25": "expires: -1",
  "26": "Set-Cookie: XSRF-
TOKEN=eyJpdjI6IinhZSHZIN2IzamlrWS93SE9IeGgwVWE9PSIsInZhbHVlIjoiaUxkOQkhFcnRGQ2sIRVh0Q0082aGlFNVAk00YzltNFpqb2xEc3ZXNzJ4d3dWeWozcDJoQlFHeWRRQVFESWY0UjV1V1Bhd09aNG8yOjR1SjVVRdk8rSvJTS
expires=Fri, 06 Mar 2026 11:00:22 GMT; Max-Age=7200; path=/; HTTPOnly; Secure; secure",
  "27": "Set-Cookie:
bsncms_session=eyJpdjI6IjZ5WStud2RUNULvKzFablVpdkxFL3c9PSIsInZhbHVlIjoiaUxkOQkhFcnRGQ2sIRVh0Q0082aGlFNVAk00YzltNFpqb2xEc3ZXNzJ4d3dWeWozcDJoQlFHeWRRQVFESWY0UjV1V1Bhd09aNG8yOjR1SjVVRdk8rSvJTS
expires=Fri, 06 Mar 2026 11:00:22 GMT; Max-Age=7200; path=/; HTTPOnly; Secure; secure; httponly",
  "28": "Strict-Transport-Security: max-age=31536000; includeSubDomains",
  "29": "X-Content-Type-Options: nosniff",
  "30": "Set-Cookie: Path=/; HttpOnly; Secure",
  "31": "X-Frame-Options: DENY",
  "32": "Content-Security-Policy: connect-src 'self' 'unsafe-hashes' data: blob: analytics.google.com wss://r3.cloud.yellow.ai *.yellow.ai analytics.tiktok.com www.google-analytics.com *.doubleclick.net;default-src 'self'; font-src * data: blob:;img-src * data:;script-src * 'unsafe-inline' 'unsafe-eval';style-src * 'unsafe-inline';frame-src *",
  "33": "Set-Cookie: TS0120fd3f=01826f0b61655df28570320ea9f0126fb85153aa9ee5ea5037360e6fb71bfe84f77d9d9a63d39433dcf211e68f6964fb1ae8db83fc; Path=/",
  "34": "Set-Cookie: TS0120fd3f028=0157516442e2630d822c1a638f5f273e1fd75d36d8496e0a8d2e056ec0fe21da7f73976124ab4af48e9b2f88ff1f3d9e05ca9b0cf; Path=/",
  "36": "HTTP/1.1 200 OK",
  "37": "Date: Fri, 06 Mar 2026 09:00:24 GMT",
  "38": "Content-Type: text/html; charset=UTF-8",
  "39": "Connection: close",
  "40": "Vary: Accept-Encoding",
  "41": "Cache-Control: private, must-revalidate",
  "42": "pragma: no-cache",
  "43": "expires: -1",
  "44": "Set-Cookie: XSRF-
TOKEN=eyJpdjI6IjZ5WStud2RUNULvKzFablVpdkxFL3c9PSIsInZhbHVlIjoiaUxkOQkhFcnRGQ2sIRVh0Q0082aGlFNVAk00YzltNFpqb2xEc3ZXNzJ4d3dWeWozcDJoQlFHeWRRQVFESWY0UjV1V1Bhd09aNG8yOjR1SjVVRdk8rSvJTS
expires=Fri, 06 Mar 2026 11:00:24 GMT; Max-Age=7200; path=/; HTTPOnly; Secure; secure",
  "45": "Set-Cookie:
bsncms_session=eyJpdjI6IjZ5WStud2RUNULvKzFablVpdkxFL3c9PSIsInZhbHVlIjoiaUxkOQkhFcnRGQ2sIRVh0Q0082aGlFNVAk00YzltNFpqb2xEc3ZXNzJ4d3dWeWozcDJoQlFHeWRRQVFESWY0UjV1V1Bhd09aNG8yOjR1SjVVRdk8rSvJTS
expires=Fri, 06 Mar 2026 11:00:24 GMT; Max-Age=7200; path=/; HTTPOnly; Secure; secure; httponly",
  "46": "Strict-Transport-Security: max-age=31536000; includeSubDomains",
  "47": "X-Content-Type-Options: nosniff",
  "48": "Set-Cookie: Path=/; HttpOnly; Secure",
  "49": "X-Frame-Options: DENY",
  "50": "Content-Security-Policy: connect-src 'self' 'unsafe-hashes' data: blob: analytics.google.com wss://r3.cloud.yellow.ai *.yellow.ai analytics.tiktok.com www.google-analytics.com *.doubleclick.net;default-src 'self'; font-src * data: blob:;img-src * data:;script-src * 'unsafe-inline' 'unsafe-eval';style-src * 'unsafe-inline';frame-src *",
  "51": "Set-Cookie: TS0120fd3f=01826f0b61f2906b3a09a9edd88594cd217cfbb658356283694c33e636cd8e8748d8cf627c4bb70d45ac8b2f922e9eca4ea6b69b5; Path=/",
  "52": "Set-Cookie: TS0120fd3f028=0157516442fc954cb8c121cc7721f8a4220643b2dd33626a1bf6c5de24453daec4473cc5639412b30c3761be6139737f553fecbf; Path="/
```


Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	302 0.002734 0.005269
TCP Connect IPv4 → port 443	301 0.002772 0.029491

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
--------------------------------	---

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
```