

IPv6 Readiness Report

bpmb.com.my — bpmb.com.my



Scan to verify

Category: Banking • Generated: 04 Jul 2026, 22:39 MYT • Last Checked: 04 Jul 2026, 03:03 MYT • Verification ID: 2026ffdb-c497-4e32-9dbb-ee263543c81f

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

Audit trail: <https://ipv6.my6.my/audit/2026ffdb-c497-4e32-9dbb-ee263543c81f>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>43%</p> <p>No IPv6 Support</p>	<p>IPv6-ONLY READINESS</p> <p>Website: X Not Ready</p> <p>DNS: ✓ Ready</p> <p>Email: X Not Ready</p>
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<p>IPv4 ADDRESSES</p> <p>45.127.5.124</p>
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Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Exabytes Cloud Sdn.Bhd.
Country	MY
ASN	AS46015
ASN Name	EXABYTES-AS-AP - Exa Bytes Network Sdn.Bhd., MY
Network (CIDR)	45.127.4.0/22

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%)				3 / 5
#	CHECK	RESULT	DETAIL	
1	NS Has AAAA Record	PASS	Nameserver has IPv6 address.	
2	NS Reachable via IPv6	PASS	Nameserver is reachable via IPv6 on port 53.	
3	NS Answers Queries via IPv6	PASS	DNS queries answered 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	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	45.127.5.124
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 771ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 611ms TTFB.

Audit Trail & Evidence Record

Verification ID	2026ffdb-c497-4e32-9dbb-ee263543c81f
Domain	bpmb.com.my
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:03:09 MYT
Finished	04 Jul 2026, 03:03:22 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/2026ffdb-c497-4e32-9dbb-ee263543c81f

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	7cba4881e52cb0aaf2ca15cfe77fbc7b506ed4035184ff103154aaf684b0154c
http_headers	417d5446bcc26d8baadc227787fe88da605c138a58ec83590656d50222a457f1
dns_responses	8b329273ea3907f22ea1899e8b4b78586027499644848ccdf956091f1c160354
tls_handshake	9c19227580882f123d413be71e5f8032ec3e40ac8512fb747110c3c65f0303a7
connectivity_log	794db1a479304a6eb00788e4232f8004f358d9b21d25be9b861753981581970d
dns_resolution_times	1e96204a3d1c16cff7809cd288309d780e1606c6973670669e41905d4c9bf751

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	8.3.32
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	92.63	93.55	54.82	71.95	-37.8
Google	IPv4	59.8	66.52	56.39	60.73	-3.4
Google	IPv6	66.06	71.33	64.98	67.52	-1.1
Cloudflare	IPv4	75.76	120.1	59.61	61	-16.2
Cloudflare	IPv6	71.79	79.89	52.46	65.36	-19.3

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 39270
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bpmb.com.my. 300 IN A 45.127.5.124
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 7115
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3581 IN SOA e.nic.my. hostmaster.nic.my. 2026052750 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 2085
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bpmb.com.my. 300 IN MX 0 mx1.hc1258-10.ap.iphmx.com.
bpmb.com.my. 300 IN MX 0 mx2.hc1258-10.ap.iphmx.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 57243
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bpmb.com.my. 3600 IN NS dns8.cloudns.net.
bpmb.com.my. 3600 IN NS dns4.cloudns.net.
bpmb.com.my. 3600 IN NS dns7.cloudns.net.
bpmb.com.my. 3600 IN NS dns3.cloudns.net.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 15100
;; flags: qr rd ra; QUERY: 1, ANSWER: 7, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bpmb.com.my. 3600 IN TXT "v=spf1 a:esa1.hc1258-10.ap.iphmx.com a:esa2.hc1258-10.ap.iphmx.com include:mailrelay.ticloud.com include:spf.protection.outlook.com -all"
bpmb.com.my. 3600 IN TXT "MS=ms20888647"
bpmb.com.my. 3600 IN TXT "/4kdzTafpTgil0Y1+AG+zbC65ir4LD4/hoQIwp1Kxmjatmh1+67eMrjHFFiAXoHoKVzDbEMCZ4FrC6gXNhMKLA=="
bpmb.com.my. 3600 IN TXT "google-site-verification=3q00QxVy4tcR2S1nF1wvrABIE7kSE7hVxMh2uaMHZLc"
bpmb.com.my. 3600 IN TXT "duo_sso_verification=Vcro3IvnC8WPpArewAjpgvOpeED1BvZ0URsWw2aQEQE76JLWbdvMPNsQRLjxa5Vhu"
bpmb.com.my. 3600 IN TXT "MS=7C1EDC828D2D9CC1B4059C025C3D40B010C1EE32"
bpmb.com.my. 3600 IN TXT "MS=ms92526255"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 57696
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
bpmb.com.my. 3593 IN SOA dns3.cloudns.net. support.cloudns.net. 2026070304 7200 1800 1209600 3600
```

RRSIG

```
dns3.cloudns.net. support.cloudns.net. 2026070304 7200 1800 1209600 3600
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 63730
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
bpmb.com.my. IN SOA dns3.cloudns.net. support.cloudns.net. 2026070304 7200 1800 1209600 3600
```

DNSSEC_VALIDATION

```
; unsigned answer
bpmb.com.my. IN SOA dns3.cloudns.net. support.cloudns.net. 2026070304 7200 1800 1209600 3600
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	45.127.5.124
Connect Time	16.38 ms
TTFB	537.48 ms
Total Time	537.64 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Content-Length: 162",
  "2": "Content-Security-Policy: default-src 'self'; frame-src 'self' blob;; script-src 'self' 'unsafe-inline' 'unsafe-eval' https://cdn.jsdelivr.net https://static.userback.io https://www.google-analytics.com https://ajax.googleapis.com https://www.googletagmanager.com; connect-src 'self' https://api.wpcodex.com https://api.userback.io https://apisnippets.wpcodex.com https://www.google-analytics.com; img-src 'self' data: https://ps.w.org https://s.w.org; style-src 'self' 'unsafe-inline' https://cdn.jsdelivr.net https://static.userback.io; font-src 'self' data: https://cdn.jsdelivr.net https://static.userback.io; worker-src 'self' blob;;",
  "3": "Content-Type: text/html",
  "4": "Date: Fri, 03 Jul 2026 19:03:20 GMT",
  "5": "Location: https://bpmb.com.my/",
  "6": "Pre-Cognitive-Push: Enabled",
  "7": "Quantum-Flux-Capacity: Omega",
  "8": "Server: BitNinja-Waf3",
  "9": "Server: nginx",
  "10": "X-Content-Type-Options: nosniff",
  "11": "X-Frame-Options: SAMEORIGIN",
  "12": "X-Xss-Protection: 1; mode=block",
  "14": "HTTP/2 301",
  "15": "alt-svc: h3=\":60413\"; ma=2592000,h3=\":60414\"; ma=2592000,h3=\":60418\"; ma=2592000",
  "16": "cache-control: public, no-cache",
  "17": "content-security-policy: default-src 'self'; frame-src 'self' blob;; script-src 'self' 'unsafe-inline' 'unsafe-eval' https://cdn.jsdelivr.net https://static.userback.io https://www.google-analytics.com https://ajax.googleapis.com https://www.googletagmanager.com; connect-src 'self' https://api.wpcodex.com https://api.userback.io https://apisnippets.wpcodex.com https://www.google-analytics.com; img-src 'self' data: https://ps.w.org https://s.w.org; style-src 'self' 'unsafe-inline' https://cdn.jsdelivr.net https://static.userback.io; font-src 'self' data: https://cdn.jsdelivr.net https://static.userback.io; worker-src 'self' blob;;",
  "18": "content-type: text/html; charset=UTF-8",
  "19": "date: Fri, 03 Jul 2026 19:03:20 GMT",
  "20": "location: https://www.bpmb.com.my/",
  "21": "pre-cognitive-push: Enabled",
  "22": "quantum-flux-capacity: Omega",
  "23": "referrer-policy: strict-origin-when-cross-origin",
  "24": "server: BitNinja-Waf3",
  "25": "server: nginx",
  "26": "strict-transport-security: max-age=63072000; includeSubDomains; preload",
  "27": "x-content-type-options: nosniff",
  "28": "x-frame-options: SAMEORIGIN",
  "29": "x-grid-cache: MISS",
  "30": "x-grid-cache-ttl: 1",
  "31": "x-redirect-by: WordPress",
  "32": "x-xss-protection: 1; mode=block",
  "34": "HTTP/2 200",
  "35": "alt-svc: h3=\":60413\"; ma=2592000,h3=\":60414\"; ma=2592000,h3=\":60418\"; ma=2592000",
  "36": "cache-control: public, no-cache",
  "37": "content-security-policy: default-src 'self'; frame-src 'self' blob;; script-src 'self' 'unsafe-inline' 'unsafe-eval' https://cdn.jsdelivr.net https://static.userback.io https://www.google-analytics.com https://ajax.googleapis.com https://www.googletagmanager.com; connect-src 'self' https://api.wpcodex.com https://api.userback.io https://apisnippets.wpcodex.com https://www.google-analytics.com; img-src 'self' data: https://ps.w.org https://s.w.org; style-src 'self' 'unsafe-inline' https://cdn.jsdelivr.net https://static.userback.io; font-src 'self' data: https://cdn.jsdelivr.net https://static.userback.io; worker-src 'self' blob;;",
  "38": "content-type: text/html; charset=UTF-8",
  "39": "date: Fri, 03 Jul 2026 19:03:20 GMT",
  "40": "link: <https://www.bpmb.com.my/wp-json/>; rel=\":api.w.org/\"",
  "41": "link: <https://www.bpmb.com.my/wp-json/wp/v2/pages/2>; rel=\":alternate\"; title=\":JSON\"; type=\":application/json\"",
  "42": "pre-cognitive-push: Enabled",
  "43": "quantum-flux-capacity: Omega",
  "44": "referrer-policy: strict-origin-when-cross-origin",
  "45": "server: BitNinja-Waf3",
  "46": "server: nginx",
  "47": "strict-transport-security: max-age=63072000; includeSubDomains; preload",
  "48": "vary: Accept-Encoding",
  "49": "x-content-type-options: nosniff",
  "50": "x-frame-options: SAMEORIGIN",
  "51": "x-grid-cache: STALE",
  "52": "x-grid-cache-ttl: 1",
  "53": "x-xss-protection: 1; mode=block"
```

```
}

```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	45.127.5.124
Connect Time	11.4 ms
TTFB	400.87 ms
Total Time	401 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "alt-svc: h3=\":60413\"; ma=2592000,h3=\":60414\"; ma=2592000,h3=\":60418\"; ma=2592000",
  "2": "cache-control: public, no-cache",
  "3": "content-security-policy: default-src 'self'; frame-src 'self' blob;; script-src 'self' 'unsafe-inline' 'unsafe-eval' https://cdn.jsdelivr.net https://static.userback.io https://www.google-analytics.com https://ajax.googleapis.com https://www.googletagmanager.com; connect-src 'self' https://api.wpcodex.com https://api.userback.io https://apisnippets.wpcodex.com https://www.google-analytics.com; img-src 'self' data: https://ps.w.org https://s.w.org; style-src 'self' 'unsafe-inline' https://cdn.jsdelivr.net https://static.userback.io; font-src 'self' data: https://cdn.jsdelivr.net https://static.userback.io; worker-src 'self' blob;;",
  "4": "content-type: text/html; charset=UTF-8",
  "5": "date: Fri, 03 Jul 2026 19:03:21 GMT",
  "6": "location: https://www.bpmb.com.my/",
  "7": "pre-cognitive-push: Enabled",
  "8": "quantum-flux-capacity: Omega",
  "9": "referrer-policy: strict-origin-when-cross-origin",
  "10": "server: BitNinja-Waf3",
  "11": "server: nginx",
  "12": "strict-transport-security: max-age=63072000; includeSubDomains; preload",
  "13": "x-content-type-options: nosniff",
  "14": "x-frame-options: SAMEORIGIN",
  "15": "x-grid-cache: MISS",
  "16": "x-grid-cache-ttl: 1",
  "17": "x-redirect-by: WordPress",
  "18": "x-xss-protection: 1; mode=block",
  "20": "HTTP/2 200",
  "21": "alt-svc: h3=\":60413\"; ma=2592000,h3=\":60414\"; ma=2592000,h3=\":60418\"; ma=2592000",
  "22": "cache-control: public, no-cache",
  "23": "content-security-policy: default-src 'self'; frame-src 'self' blob;; script-src 'self' 'unsafe-inline' 'unsafe-eval' https://cdn.jsdelivr.net https://static.userback.io https://www.google-analytics.com https://ajax.googleapis.com https://www.googletagmanager.com; connect-src 'self' https://api.wpcodex.com https://api.userback.io https://apisnippets.wpcodex.com https://www.google-analytics.com; img-src 'self' data: https://ps.w.org https://s.w.org; style-src 'self' 'unsafe-inline' https://cdn.jsdelivr.net https://static.userback.io; font-src 'self' data: https://cdn.jsdelivr.net https://static.userback.io; worker-src 'self' blob;;",
  "24": "content-type: text/html; charset=UTF-8",
  "25": "date: Fri, 03 Jul 2026 19:03:21 GMT",
  "26": "link: <https://www.bpmb.com.my/wp-json/>; rel=\":https://api.w.org/\"",
  "27": "link: <https://www.bpmb.com.my/wp-json/wp/v2/pages/2>; rel=\":alternate\"; title=\":JSON\"; type=\":application/json\"",
  "28": "pre-cognitive-push: Enabled",
  "29": "quantum-flux-capacity: Omega",
  "30": "referrer-policy: strict-origin-when-cross-origin",
  "31": "server: BitNinja-Waf3",
  "32": "server: nginx",
  "33": "strict-transport-security: max-age=63072000; includeSubDomains; preload",
  "34": "vary: Accept-Encoding",
  "35": "x-content-type-options: nosniff",
  "36": "x-frame-options: SAMEORIGIN",
  "37": "x-grid-cache: HIT",
  "38": "x-grid-cache-ttl: 1",
  "39": "x-xss-protection: 1; mode=block"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.004649 0.011713
TCP Connect IPv4 → port 443	301 0.002211 0.905943

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
10.6.101.0/24 dev wg0 scope link
10.6.102.0/24 dev wg0 scope link
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142
172.29.0.0/24 dev wg0 scope link
```