

IPv6 Readiness Report

bpmb.com.my — bpmb.com.my

Category: Banking • Generated: 21 Apr 2026, 18:00 MYT • Last Checked: 07 Mar 2026, 01:00 MYT • Verification ID: afefbe43-a5c2-4bd6-b97d-f4803e24e06c

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

Audit trail: <https://ipv6.my6.my/audit/afefbe43-a5c2-4bd6-b97d-f4803e24e06c>

 Non-Compliant <small>MGv6C-1.0</small>	43% Partial Support	IPV6-ONLY READINESS Website: ✗ Not Ready DNS: ✓ Ready Email: ✗ Not Ready
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IPV4 ADDRESSES 45.127.5.124

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.
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 — 391ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 413ms TTFB.

Audit Trail & Evidence Record

Verification ID	afefbe43-a5c2-4bd6-b97d-f4803e24e06c
Domain	bpmb.com.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:00:12 MYT
Finished	07 Mar 2026, 01:00:18 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/afefbe43-a5c2-4bd6-b97d-f4803e24e06c

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	c9bf56502adc4d83b7de4b047eea8419c311cf3d437f6d8aa3f56d1796da0ca4
http_headers	91f7d9061186650026b3cfc3f2df7b66d66b84f9438f367d8fd26648f2ea950d
dns_responses	d7da40d683d67cb73110157eb635e3b0aa5ae34e5baa8ad5ef9abdfda039bb85
tls_handshake	9c19227580882f123d413be71e5f8032ec3e40ac8512fb747110c3c65f0303a7
connectivity_log	39db5d628182e1d8f0290f2bf314a81b277f36d7363593bf8c7b91ef788a128c
dns_resolution_times	26bccf7097d5cccd6e49d86c07b3ac09cc6c9d60a839fabf187c44b4fd972b9f

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	-
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	32.19	48.86	26.82	29.42	-5.4
Google	IPv4	28.89	36.63	25.2	26.88	-3.7
Google	IPv6	22.27	27.83	29.46	32.85	+7.2
Cloudflare	IPv4	20.11	22.3	7.99	8.3	-12.1
Cloudflare	IPv6	17.6	23.37	28.31	32.39	+10.7

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 22965
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
bpmb.com.my. 300 IN A 45.127.5.124
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 15422
;; 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: NOERROR, id: 65195
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
bpmb.com.my. 172 IN MX 0 mx1.hc1258-10.ap.iphmx.com.
bpmb.com.my. 172 IN MX 0 mx2.hc1258-10.ap.iphmx.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 59576
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
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.
bpmb.com.my. 3600 IN NS dns8.cloudns.net.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 7559
;; flags: qr rd ra; QUERY: 1, ANSWER: 7, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
bpmb.com.my. 3600 IN TXT "MS=ms92526255"
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/hoQIwp1Kxmjatmhl+67eMrjHHFiAXoHoKVzDbEMCZ4FrC6gXNhMKLA=="
bpmb.com.my. 3600 IN TXT "MS=7C1EDC828D2D9CC1B4059C025C3D40B010C1EE32"
bpmb.com.my. 3600 IN TXT "google-site-verification=3q00QxVy4tcR2S1Nf1wwrABIE7kSE7hVxMh2uaMHZLc"
bpmb.com.my. 3600 IN TXT "duo_sso_verification=Vcro3Ivnc8WPpArewAjpgv0peED1BvZ0URsWv2aQE0E76JLWbdvMPNsQRLjxa5Vhu"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63465
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
bpmb.com.my. 491 IN SOA dns3.cloudns.net. support.cloudns.net. 2026022301 7200 1800 1209600 3600
```

RRSIG

```
dns3.cloudns.net. support.cloudns.net. 2026022301 7200 1800 1209600 3600
```

DNSKEY

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 21340  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 512  
;; AUTHORITY SECTION:  
bpmb.com.my. IN SOA dns3.cloudns.net. support.cloudns.net. 2026022301 7200 1800 1209600 3600
```

DNSSEC_VALIDATION

```
; unsigned answer  
bpmb.com.my. IN SOA dns3.cloudns.net. support.cloudns.net. 2026022301 7200 1800 1209600 3600
```



```

EdSIh1IoU4r7rd/9c446ZwTbw1MucBQJfMPg+NccmBqixD7b6QDjynCy8SIwIVbb
0615XoFYC20UgDX1b10d65pHBf9ZjQCxQnQmJYaumxtf4z1s4dfjGRzNpZ5eWL0
6r/4ngGPoJvPjemEuun1Iig423g7mNA2eymw0LIYkN5S0wCuaiFIFJ6GLazhgDEw
fpoL4usBC0mmQDo8dIm7A9+04orkjgTHY+GzYZSR+Y0fFukAj6KYXwidLNaLFMz
hriSqHkVoflShx8xpfywgvvczft03PYkz6fiNJBonf6q8amaEsybwMbDqKwIX7e
SPY=
-----END CERTIFICATE-----
2 s:OU = GlobalSign Root CA - R3, O = GlobalSign, CN = GlobalSign
i:OU = GlobalSign Root CA - R3, O = GlobalSign, CN = GlobalSign
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Mar 18 10:00:00 2009 GMT; NotAfter: Mar 18 10:00:00 2029 GMT
-----BEGIN CERTIFICATE-----
MIIDXzCCAkegAwIBAgILBAAAAAABIVhTCKIwDQYJKoZIhvcNAQELBQAwTEEGMB4G
A1UECxMXR2xvYmFsU2lnb290IENBIC0gUjMxZjEzZDQyYmF0eS00LmF1dC51LmF1
Z24xZjEzZDQyYmF0eS00LmF1dC51LmF1dC51LmF1dC51LmF1dC51LmF1dC51LmF1
MTAwMDAwMjBMMSAwHgYDVQQLExdHbG9iYXNpdjEzZDQyYmF0eS00LmF1dC51LmF1
dC51LmF1dC51LmF1dC51LmF1dC51LmF1dC51LmF1dC51LmF1dC51LmF1dC51LmF1
A1UEChMKR2xvYmFsU2lnb290IENBIC0gUjMxZjEzZDQyYmF0eS00LmF1dC51LmF1
dC51LmF1dC51LmF1dC51LmF1dC51LmF1dC51LmF1dC51LmF1dC51LmF1dC51LmF1
hvcNAQEBBQADgEPADCCAQoCggEBAMwldpB5BngiFvXAg7aEyie/QV2EcWtiHL8
RgJDx7KKnQRfJMsuS+FggkbhUqsMgUdwbN1k0ev1LKMPgj0MK66X17YUhhB5uzsT
gHeMCOFJ0mpiLx9e+pZo34knLtiFbt+yccsmwQ1z3rDI6SY0gXG71uL0gRgkmm
KPZp0/bLyCiR5Z2KYVc3rHQU3HTg0u5yLy6c+9C7v/U9A0EGM+iCK65TpioWc4zd
Q04g0sC0p6Hpsk+QLjJg6VfLuQ5SaGjLOcZgdbKfd/+RFO+uIE8rUAVSNECMWEZ
XriX7613t2Saer9fwrPvm2L7DwzgvGkKwQPabumDk3F2xmmFghcCAwEAAaNCMEAw
DgYDVR0PAQH/BAQDAgEGMA8GA1UdEwEB/wQFMAMBAf8wHQYDVR00BBYEFi/wS3+o
LkUkrk1Q+m0ai97i3Ru8MA0GCSqGSIb3DQEBCwUAA4IBAQBLOnVAUKr+yAzv95ZU
RUM7lgAJQayzE4aGKAczymvmdLm6AC2upArT9fHxD4q/c2dKg8dEe3jgr25sbwMp
jjMSRc005LlXbKr8EpbSUYt5CRsuZRj+9xTaGdWPo04zUhw8lo/s7awl0qzJCK

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	45.127.5.124
Connect Time	8.92 ms
TTFB	364.71 ms
Total Time	364.81 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 06 Mar 2026 09:00:16 GMT",
  "2": "Content-Type: text/html",
  "3": "Content-Length: 162",
  "4": "Connection: keep-alive",
  "5": "Location: https://bpmb.com.my/",
  "6": "Content-Security-Policy: default-src 'self'; 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.wcodebox.com https://api.userback.io https://apisnippets.wcodebox.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:;",
  "7": "X-Frame-Options: SAMEORIGIN",
  "8": "X-Content-Type-Options: nosniff",
  "9": "X-XSS-Protection: 1; mode=block",
  "10": "Server: Prometheus",
  "11": "Pre-Cognitive-Push: Enabled",
  "12": "Quantum-Flux-Capacity: Omega",
  "14": "HTTP/2 301",
  "15": "date: Fri, 06 Mar 2026 09:00:17 GMT",
  "16": "content-type: text/html; charset=UTF-8",
  "17": "location: https://www.bpmb.com.my/",
  "18": "x-redirect-by: WordPress",
  "19": "content-security-policy: default-src 'self'; 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.wcodebox.com https://api.userback.io https://apisnippets.wcodebox.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:;",
  "20": "x-frame-options: SAMEORIGIN",
  "21": "x-content-type-options: nosniff",
  "22": "x-xss-protection: 1; mode=block",
  "23": "server: Prometheus",
  "24": "pre-cognitive-push: Enabled",
  "25": "quantum-flux-capacity: Omega",
  "26": "strict-transport-security: max-age=63072000; includeSubDomains; preload",
  "27": "cache-control: public, no-cache",
  "28": "referrer-policy: strict-origin-when-cross-origin",
  "29": "x-grid-cache-ttl: 1",
  "30": "x-grid-cache: MISS",
  "31": "alt-svc: h3=\":443\"; ma=86400",
  "33": "HTTP/2 200",
  "34": "date: Fri, 06 Mar 2026 09:00:17 GMT",
  "35": "content-type: text/html; charset=UTF-8",
  "36": "vary: Accept-Encoding",
  "37": "link: <https://www.bpmb.com.my/wp-json/>; rel=\\\"https://api.w.org/\\\"",
  "38": "link: <https://www.bpmb.com.my/wp-json/wp/v2/pages/2>; rel=\\\"alternate\\\"; title=\\\"JSON\\\"; type=\\\"application/json\\\"",
  "39": "content-security-policy: default-src 'self'; 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.wcodebox.com https://api.userback.io https://apisnippets.wcodebox.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:;",
  "40": "x-frame-options: SAMEORIGIN",
  "41": "x-content-type-options: nosniff",
  "42": "x-xss-protection: 1; mode=block",
  "43": "server: Prometheus",
  "44": "pre-cognitive-push: Enabled",
  "45": "quantum-flux-capacity: Omega",
  "46": "strict-transport-security: max-age=63072000; includeSubDomains; preload",
  "47": "cache-control: public, no-cache",
  "48": "referrer-policy: strict-origin-when-cross-origin",
  "49": "x-grid-cache-ttl: 1",
  "50": "x-grid-cache: UPDATING",
  "51": "alt-svc: h3=\":443\"; ma=86400"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
-------------	-----

Connected IP	45.127.5.124
Connect Time	4.86 ms
TTFB	379.04 ms
Total Time	379.11 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "date: Fri, 06 Mar 2026 09:00:17 GMT",
  "2": "content-type: text/html; charset=UTF-8",
  "3": "location: https://www.bpmb.com.my/",
  "4": "x-redirect-by: WordPress",
  "5": "content-security-policy: default-src 'self'; 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.wcodebox.com https://api.userback.io https://apisnippets.wcodebox.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:;",
  "6": "x-frame-options: SAMEORIGIN",
  "7": "x-content-type-options: nosniff",
  "8": "x-xss-protection: 1; mode=block",
  "9": "server: Prometheus",
  "10": "pre-cognitive-push: Enabled",
  "11": "quantum-flux-capacity: Omega",
  "12": "strict-transport-security: max-age=63072000; includeSubDomains; preload",
  "13": "cache-control: public, no-cache",
  "14": "referrer-policy: strict-origin-when-cross-origin",
  "15": "x-grid-cache-ttl: 1",
  "16": "x-grid-cache: MISS",
  "17": "alt-svc: h3=\":443\"; ma=86400",
  "19": "HTTP/2 200",
  "20": "date: Fri, 06 Mar 2026 09:00:17 GMT",
  "21": "content-type: text/html; charset=UTF-8",
  "22": "vary: Accept-Encoding",
  "23": "link: <https://www.bpmb.com.my/wp-json/>; rel=\\\"https://api.w.org/\\\"",
  "24": "link: <https://www.bpmb.com.my/wp-json/wp/v2/pages/2>; rel=\\\"alternate\\\"; title=\\\"JSON\\\"; type=\\\"application/json\\\"",
  "25": "content-security-policy: default-src 'self'; 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.wcodebox.com https://api.userback.io https://apisnippets.wcodebox.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:;",
  "26": "x-frame-options: SAMEORIGIN",
  "27": "x-content-type-options: nosniff",
  "28": "x-xss-protection: 1; mode=block",
  "29": "server: Prometheus",
  "30": "pre-cognitive-push: Enabled",
  "31": "quantum-flux-capacity: Omega",
  "32": "strict-transport-security: max-age=63072000; includeSubDomains; preload",
  "33": "cache-control: public, no-cache",
  "34": "referrer-policy: strict-origin-when-cross-origin",
  "35": "x-grid-cache-ttl: 1",
  "36": "x-grid-cache: HIT",
  "37": "alt-svc: h3=\":443\"; ma=86400"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.002319 0.005578
TCP Connect IPv4 → port 443	301 0.001920 0.439772

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

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
```