

IPv6 Readiness Report

cimb.com.my — cimb.com.my



Scan to verify

Category: Banking • Generated: 04 Jul 2026, 22:37 MYT • Last Checked: 04 Jul 2026, 03:03 MYT • Verification ID: fde82997-257c-40a6-b406-75a0a771f1a7

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

Audit trail: <https://ipv6.my6.my/audit/fde82997-257c-40a6-b406-75a0a771f1a7>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>33%</p> <p>No IPv6 Support</p>	<p>IPv6-ONLY READINESS</p> <p>Website: X Not Ready</p> <p>DNS: X Not Ready</p> <p>Email: X Not Ready</p>
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IPv6 ADDRESSES

- 2600:9000:213e:3600:11:dff8:ffc0:93a1
- 2600:9000:213e:1c00:11:dff8:ffc0:93a1
- 2600:9000:213e:9200:11:dff8:ffc0:93a1
- 2600:9000:213e:7c00:11:dff8:ffc0:93a1
- 2600:9000:213e:8600:11:dff8:ffc0:93a1
- 2600:9000:213e:8000:11:dff8:ffc0:93a1
- 2600:9000:213e:8400:11:dff8:ffc0:93a1
- 2600:9000:213e:e600:11:dff8:ffc0:93a1

IPv4 ADDRESSES

- 210.19.115.31
- 210.19.116.31

Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	Amazon.com, Inc.	TT DOTCOM SDN BHD
Country	US	MY
ASN	AS16509	AS9930
ASN Name	AMAZON-02 - Amazon.com, Inc., US	TTNET-MY - TIME dotCom Berhad No. 14, Jalan Majistret U1/26 Hicom Glenmarie Industrial Park 40150 Shah Alam Selangor, Malaysia, MY
Network (CIDR)	2600:9000::/28	210.19.0.0/16

Web Services (35%) 4 / 8

#	CHECK	RESULT	DETAIL
1	AAAA Record	PASS	2600:9000:213e:3600:11:dff8:ffc0:93a1, 2600:9000:213e:1c00:11:dff8:ffc0:93a1, 2600:9000:213e:9200:11:dff8:ffc0:93a1, 2600:9000:213e:7c00:11:dff8:ffc0:93a1, 2600:9000:213e:8600:11:dff8:ffc0:93a1, 2600:9000:213e:8000:11:dff8:ffc0:93a1, 2600:9000:213e:8400:11:dff8:ffc0:93a1, 2600:9000:213e:e600:11:dff8:ffc0:93a1
2	Globally Routable IPv6	PASS	All addresses are globally routable.
3	HTTP over IPv6	PASS	HTTP (port 80) responds over IPv6 — 17ms TTFB.
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)	PASS	Domain has both A and AAAA records.
8	HTTP/3 (QUIC)	FAIL	No HTTP/3 support detected.

DNS & DNSSEC (25%) 0 / 5

#	CHECK	RESULT	DETAIL
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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.
7	DMARC Record	FAIL	No DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	210.19.115.31, 210.19.116.31
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 121ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 104ms TTFB.

Audit Trail & Evidence Record

Verification ID	fde82997-257c-40a6-b406-75a0a771f1a7
Domain	cimb.com.my
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:03:21 MYT
Finished	04 Jul 2026, 03:03:27 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/fde82997-257c-40a6-b406-75a0a771f1a7

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	1a0ed87f270c849473c1d0ce7049e401e9ee082e4c75a5f71fc297d0bc597c5d
http_headers	c67b178d95502f5f74b9d21fcb7b69e956cb3d4f84004c455d9ecbe8127c2408
dns_responses	a9fda30739dfcf91731b1ca741a8f7b707ea50ae9636de11bb63f816e70ae848
tls_handshake	1e00dfd7aace7c8b17575214a9277be2b6bb6e876134b3834bc800918659cade
connectivity_log	42a42dde5690736f894352fa00ae20bdc0471696adc19c41985c1653d29264b3
dns_resolution_times	4a4472ae21264198b6edfe1e33ad8ba5c4b22218d2675fa6bc13f11161941eb0

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	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	30.34	31.22	29.88	29.92	-0.5
Google	IPv4	42.82	45.01	52.6	53.61	+9.8
Google	IPv6	43.41	79.42	53.97	58.78	+10.6
Cloudflare	IPv4	17.81	38.02	26.96	29.72	+9.2
Cloudflare	IPv6	87.41	156.58	37.74	69.29	-49.7

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 29502
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
cimb.com.my. 300 IN A 210.19.116.31
cimb.com.my. 300 IN A 210.19.115.31
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 58519
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3573 IN SOA e.nic.my. hostmaster.nic.my. 2026052750 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 27187
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
cimb.com.my. 297 IN SOA bhqpk400206.cimbmy.cimbdomain.com. postmaster.cimb.com.my. 683 10800 3600 2592000 300
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 51216
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 4

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
cimb.com.my. 300 IN NS ns3.cimb.com.my.
cimb.com.my. 300 IN NS ns5.cimb.com.
cimb.com.my. 300 IN NS ns4.cimb.com.my.
cimb.com.my. 300 IN NS ns2.cimb.com.my.
cimb.com.my. 300 IN NS ns7.cimb.com.
cimb.com.my. 300 IN NS ns6.cimb.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 61981
;; flags: qr rd ra; QUERY: 1, ANSWER: 9, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
cimb.com.my. 300 IN TXT "_globalsign-domain-verification=5mge4D5UbdFx_46ej7ocbD0B4p2aZGslaQH-JNJQUK"
cimb.com.my. 300 IN TXT "zYVsB2pWTAmLUv+zsAk0kh09Ph00XPTRDPsVu2FFPy4A="
cimb.com.my. 300 IN TXT "ZFieXqLrGit9fuqVFL8cdRm+dZQ6CedtiaZDJ0ZrJaI="
cimb.com.my. 300 IN TXT "google-site-verification=iRW9_Ja0tN-FULtKWbu2-1wLcWnWd8DoefYvfkUYQs"
cimb.com.my. 300 IN TXT "_globalsign-domain-verification=DgS8G3Rc2nxh4q9IRKIZbk5D0r2mf5nrNwZGRK_Ag"
cimb.com.my. 300 IN TXT "+N8h/mwcqzSnZ9Pljyb8xwVnhZ03zdVH8hBXTZ7YJU="
cimb.com.my. 300 IN TXT "google-site-verification=yuc80kdXyjXT8lq2kFQVYmQZpdyLAX7Ae86Byz1pEOE"
cimb.com.my. 300 IN TXT "_globalsign-domain-verification=W8FLAWh8ZshbGYkg0mcl0jUwaNtFEpfKSqkMzX9wtT"
cimb.com.my. 300 IN TXT "_globalsign-domain-verification=6ZSnmAgJhCE0C-9ce4-cBou5GpukFeB3GaW7dm_-6u"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 51677
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
```

```
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
cimb.com.my. 297 IN SOA bhqpk400206.cimbmy.cimbdomain.com. postmaster.cimb.com.my. 683 10800 3600 2592000 300
```

RRSIG

```
bhqpk400206.cimbmy.cimbdomain.com. postmaster.cimb.com.my. 683 10800 3600 2592000 300
```

DNSKEY

```
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 30802
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
cimb.com.my. 297 IN SOA bhqpk400206.cimbmy.cimbdomain.com. postmaster.cimb.com.my. 683 10800 3600 2592000 300
```

DNSSEC_VALIDATION

```
; unsigned answer
cimb.com.my. 296 IN SOA bhqpk400206.cimbmy.cimbdomain.com. postmaster.cimb.com.my. 683 10800 3600 2592000 300
```



```

MDwGBFUDIAAwNDAYBggrBgEFBQcCARYmaHR0cHM6Ly93d3cuZ2xvYmFsc2lnbi5j
b20vcnVwb3NpdG9yeS8wDQYJKoZIhvcNAQELBQADggEBAJmQyC1f0orUC2bbmANz
EdSIh1IoU4r7rd/9c446ZwTbw1MUcBQJfMPg+NccmBqiXD7b6QDjynCy8SIwIVbb
0615XoFYC20UgDX1b10d65pHBf9ZjQCxQnQmJYaumxtf4z1s4dfjGRzNpZ5eWL0
6r/4ngGpoJVpjemEuunl1Ig423g7mNAZeymw0LIYkN55QwCuaiFIFJ6GLazhgDEw
fpoLu4usBC0mmQDo8dIm7A9+04orkjgTHY+GzYZSR+Y0fFukAj6KYXwidlNaLFmz
hriSqHkVoflShx8xpfywgVcvzft03PYkz6fiNJBonf6q8amaEsybwMbDqKwIX7e
SPY=
-----END CERTIFICATE-----
---
Server certificate
subject=C = MY, ST = Kuala Lumpur, L = Kuala Lumpur, O = CIMB Bank Berhad, CN = *.cimb.com.my
issuer=C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: RSA-PSS
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 3479 bytes and written 406 bytes
Verification: OK
---
New, TLSv1.2, Cipher is ECDHE-RSA-AES256-GCM-SHA384
Server public key is 2048 bit
Secure Renegotiation IS supported
Compression: NONE
Expansion: NONE
No ALPN negotiated

```

IPV6 Connection

IP Used	2600:9000:213e:3600:11:dff8:ffc0:93a1
IP Version	6

```

40B7C7B23E76000:error:0A000410:SSL routines:ssl3_read_bytes:sslv3 alert handshake failure:../ssl/record/rec_layer_s3.c:1599:SSL alert number 40
CONNECTED(00000010)
---
no peer certificate available
---
No client certificate CA names sent
---
SSL handshake has read 7 bytes and written 313 bytes
Verification: OK
---
New, (NONE), Cipher is (NONE)
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
Early data was not sent
Verify return code: 0 (ok)
---

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	403
Connected IP	13.35.36.10
Connect Time	12.94 ms
TTFB	82.47 ms
Total Time	82.52 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:03:27 GMT",
  "2": "Server: Apache",
  "3": "Strict-Transport-Security: max-age=31536000; includeSubDomains",
  "4": "Location: https://www.cimb.com.my/",
  "5": "Content-Type: text/html; charset=iso-8859-1",
  "7": "HTTP/2 403",
  "8": "content-type: text/html",
  "9": "content-length: 391",
  "10": "date: Fri, 03 Jul 2026 19:03:28 GMT",
  "11": "last-modified: Tue, 26 Apr 2022 12:08:03 GMT",
  "12": "etag: \"16022d8d9db8206557ad38ecc55769d0\"",
  "13": "x-amz-version-id: lkq6EbQdEuoHZL.Xzwc7C5Td0cabRPR6",
  "14": "accept-ranges: bytes",
  "15": "server: AmazonS3",
  "16": "x-cache: Error from cloudfront",
  "17": "via: 1.1 dbbc913781ee46c76f9ea1583b081a84.cloudfront.net (CloudFront)",
  "18": "x-amz-cf-pop: SIN2-P11",
  "19": "x-amz-cf-id: SNRCKU4J0PjZS0Bg04e9E7ed4cW1KCujJY2pn0uw6op9vZuWabZ0Gw=="
}
```

IPv6 HTTP (port 80)

HTTP Status	403
Connected IP	2600:9000:213e:3600:11:dff8:ffc0:93a1
Connect Time	9.56 ms
TTFB	18.26 ms
Total Time	18.29 ms

Response Headers:

```
[
  "HTTP/1.1 403 Forbidden",
  "Server: CloudFront",
  "Date: Fri, 03 Jul 2026 19:03:27 GMT",
  "Content-Type: text/html",
  "Content-Length: 915",
  "Connection: keep-alive",
  "X-Cache: Error from cloudfront",
  "Via: 1.1 211fe35abbab9b1bc859d17d3778cc9e.cloudfront.net (CloudFront)",
  "X-Amz-Cf-Pop: SIN2-P11",
  "X-Amz-Cf-Id: -YGhn_oXQDMek4xiBouxiBbo-oRhSNafwahqmbFh7j50tTXK_wFt-Q=="
]
```

IPv4 HTTPS (port 443)

HTTP Status	403
Connected IP	13.35.36.86
Connect Time	16.19 ms
TTFB	90.93 ms
Total Time	90.99 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:03:27 GMT",
}
```

```

"2": "Server: Apache",
"3": "Strict-Transport-Security: max-age=31536000; includeSubDomains",
"4": "Location: https://www.cimb.com.my/",
"5": "Content-Type: text/html; charset=iso-8859-1",
"7": "HTTP/2 403",
"8": "content-type: text/html",
"9": "content-length: 391",
"10": "date: Fri, 03 Jul 2026 19:03:28 GMT",
"11": "last-modified: Tue, 26 Apr 2022 12:08:03 GMT",
"12": "etag: \"16022d8d9db8206557ad38ecc55769d0\"",
"13": "x-amz-version-id: lkq6EbQdEu0HZL.Xzwc7C5Td0cabRPR6",
"14": "accept-ranges: bytes",
"15": "server: AmazonS3",
"16": "x-cache: Error from cloudfront",
"17": "via: 1.1 68203a043549f8c5af4f3da28709bcf6.cloudfront.net (CloudFront)",
"18": "x-amz-cf-pop: SIN2-P11",
"19": "x-amz-cf-id: yVDXYsMknIzkxrUP4W2NKt57AHRrJyiNLKZw0xWXQrxrKEDXx0DQA=="
}
    
```

IPv6 HTTPS (port 443)

HTTP Status	0
Connected IP	2600:9000:213e:3600:11:dff8:ffc0:93a1
Connect Time	7.81 ms
TTFB	0 ms
Total Time	16.6 ms
Error	OpenSSL/3.0.13: error:0A000410:SSL routines::ssl3 alert handshake failure

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.002673 0.006557
TCP Connect IPv6 → port 80	403 0.008329 0.015544
TCP Connect IPv4 → port 443	301 0.004567 0.037897
TCP Connect IPv6 → port 443	000 0.010216 0.000000

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
    
```