

IPv6 Readiness Report

bernama.com — bernama.com



Scan to verify

Category: News Portal • Generated: 04 Jul 2026, 22:18 MYT • Last Checked: 04 Jul 2026, 03:29 MYT • Verification ID: 409f934c-4fc3-471a-a5e5-e47393b1beeb

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

Audit trail: <https://ipv6.my6.my/audit/409f934c-4fc3-471a-a5e5-e47393b1beeb>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>32%</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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<p>IPv4 ADDRESSES</p> <p>58.26.44.10</p>

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	TM TECHNOLOGY SERVICES SDN BHD
Country	MY
ASN	AS4788
ASN Name	TTSSB-MY - TM TECHNOLOGY SERVICES SDN. BHD., MY
Network (CIDR)	58.26.0.0/16

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.	

#	CHECK	RESULT	DETAIL
8	Signing Algorithm	INFO	No DNSKEY record found.

Email Services (25%) 4 / 6

#	CHECK	RESULT	DETAIL
1	MX Record Exists	PASS	MX record found.
2	MX Server Has IPv6	PASS	MX server has AAAA record.
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	58.26.44.10
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 254ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 234ms TTFB.

Audit Trail & Evidence Record

Verification ID	409f934c-4fc3-471a-a5e5-e47393b1beeb
Domain	bernama.com
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:29:09 MYT
Finished	04 Jul 2026, 03:29:32 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/409f934c-4fc3-471a-a5e5-e47393b1beeb

Integrity Verification

<p>✓ INTEGRITY VERIFIED</p>	
Algorithm	hmac-sha256-v1
Root Hash	d27ba056b623c3ffc0807b29bdc9079da3d51d5f8c21c02389229fe17ffd7b7
http_headers	fac854a08cae072a621111ec189709dd37d8333db7e2e468592edcf16f42b31
dns_responses	41e50e4538a9abc52372e54586e215688e8b11bbe70e0911e8e69aa772e20f69
tls_handshake	960efc3153374f5321dc113d6d9b3d38ef0362a377cc748e2aee21ac8e2e30c7
connectivity_log	e08f8cf10fc3872549c27e2f4263d9a22dc3ba665ab0b0f0033af8abe167ee70
dns_resolution_times	6fcc4c646563bb79554975827e16f2de1d028d10e9df135144ce57c9d6cc4b3

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	10.77	12.25	21.64	24.69	+10.9
Google	IPv4	23.63	33.01	25.37	30.85	+1.7
Google	IPv6	18.83	20.81	27.94	29.56	+9.1
Cloudflare	IPv4	20.84	20.85	8.86	20	-12
Cloudflare	IPv6	8.17	8.89	22.73	33.07	+14.6

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 43988
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bernama.com. 3600 IN A 58.26.44.10
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 5279
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com. 878 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1783106926 1800 900 604800 900
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 3222
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bernama.com. 3600 IN MX 1 aspmx.l.google.com.
bernama.com. 3600 IN MX 10 alt4.aspmx.l.google.com.
bernama.com. 3600 IN MX 5 alt2.aspmx.l.google.com.
bernama.com. 3600 IN MX 10 alt3.aspmx.l.google.com.
bernama.com. 3600 IN MX 5 alt1.aspmx.l.google.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 40530
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 4

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bernama.com. 3600 IN NS ns.bernama.com.
bernama.com. 3600 IN NS ns4.bernama.com.
bernama.com. 3600 IN NS ns2.bernama.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 12872
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
bernama.com. 3600 IN TXT "v=spf1 ip4:103.8.147.12/30 ip4:219.92.54.177/32 ip4:103.156.82.32/29 ip4:103.156.83.32/29 include:_spf.google.com ~all"
bernama.com. 3600 IN TXT "google-gws-recovery-domain-verification=55964765"
bernama.com. 3600 IN TXT "google-site-verification=fIMQ2r5493cXQDJNVotjKs80jLDstyMZUWu2T65skzc"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 6251
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
bernama.com. 278 IN SOA ns.bernama.com. dnsadmin.bernama.com. 2016071305 3600 900 2419200 86400
```

RRSIG

```
ns.bernama.com. dnsadmin.bernama.com. 2016071305 3600 900 2419200 86400
```

DNSKEY

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 19442  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 1232  
;; AUTHORITY SECTION:  
bernama.com. IN SOA ns.bernama.com. dnsadmin.bernama.com. 2016071305 3600 900 2419200 86400
```

DNSSEC_VALIDATION

```
; unsigned answer  
bernama.com. IN SOA ns.bernama.com. dnsadmin.bernama.com. 2016071305 3600 900 2419200 86400
```



```

VAYDVR0fBE0wSzBjOeegRYZDaHR0cDovL2Nybc5zZWNoawdvLmNvbS9TZWNoawdv
UHVibGljU2VydmyQXV0aGVudGljYXRpb255b290UjQ2LmNybDcBhAYIKwYBBQUH
AQEEeDB2ME8GCCsGAQUFBzACHkNodHRwOi8vY3J0LnNlY3RpZ28uY29tL1NlY3Rp
Z290dWJsawNTZXJ2ZXJBR0Zw50aWNoZGlvbJvb3RSNDYucDdjMCMGCCsGAQUF
BzABhdodHRwOi8vbnZzc5zZWNoawdvLmNvbTANBgkqhkiG9w0BAQwFAAOCAGEA
Yt0C9Fy+TqECFw40IospI92klGgoSZGP0SQXMBqmsGWZUQ7rux7cj1du6d9rd6C8
ze1B2eQjkrGkIL/0F1s7vSmgYVafsRoZd/IHUrkoQvX8FZwUsmPu7amgBfaY3g+d
q1x0jNGKb6I6Bzdl6LgMD9qxp+3i7GQ0nd9J8LFSietY6Z4jUBzVo0oz8iAU840F
h2HhAuiPw1ai0VnY38RTI+8kepGWVfGxfBWzwh9uIjeooIeaosVFvE8cmYUB4TSH
5dUyD0jHct2+8ceKEtIoFU/FfHq/mDaVnvcDCZxtIgitdMFQdMZAvehmObyhRdDD
4NQCs0gaI9AagFj4L90tkARzhQLNyRf87Kln+YU0lgCG9HLg3rG08q+Y4pplS0d
unQZ6ZxPNGIf0ApbPVf5hCe58EZwiWdHIMn9LPP6+F404y8NNugbQixBber+x536
WrZhFZLjEkhp7fFXf9r32rNPFb74X/U90Bdy4Lzp3+X1ukh1BuMxA/EEhDoT0S3L
7ABvc7BYSQubQ24900cdkIzUh3ZwDrakMVRbaTxUM2p24N6dB+ns2zptWCva6jzW
r8IWKIMxzxLPv5Kt3ePKcUdvkBU/smqjSczTzSjIoR5QQA6lN1ZRSnuHIWCvh
JELtKYNtAH41QJ6SAW066GrrUESwN/cgZzL4JLEqz1Y=
-----END CERTIFICATE-----
---
Server certificate
subject=CN = *.bernama.com
issuer=C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA DV R36
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: RSA-PSS
Server Temp Key: X25519, 253 bits
---
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	58.26.44.10
Connect Time	8.72 ms
TTFB	271.4 ms
Total Time	271.53 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:29:31 GMT",
  "2": "Server: Apache",
  "3": "Strict-Transport-Security: max-age=31536000",
  "4": "Location: https://bernama.com/",
  "5": "Cache-Control: max-age=172800",
  "6": "Expires: Sun, 05 Jul 2026 19:29:31 GMT",
  "7": "Content-Type: text/html; charset=iso-8859-1",
  "9": "HTTP/2 302",
  "10": "strict-transport-security: max-age=31536000",
  "11": "x-frame-options: SAMEORIGIN",
  "12": "x-content-type-options: nosniff",
  "13": "referrer-policy: strict-origin",
  "14": "permissions-policy: geolocation=(),midi=(),sync-xhr=(),microphone=(),camera=(),magnetometer=(),gyroscope=(),fullscreen=(self),payment=()",
  "15": "location: https://bernama.com/en/",
  "16": "cache-control: max-age=172800",
  "17": "expires: Sun, 05 Jul 2026 19:29:31 GMT",
  "18": "content-type: text/html; charset=iso-8859-1",
  "19": "date: Fri, 03 Jul 2026 19:29:31 GMT",
  "20": "server: Apache",
  "22": "HTTP/2 200",
  "23": "x-powered-by: PHP/8.2.30",
  "24": "expires: Thu, 19 Nov 1981 08:52:00 GMT",
  "25": "cache-control: no-store, no-cache, must-revalidate",
  "26": "pragma: no-cache",
  "27": "set-cookie: PHPSESSID=j77bnin2p3uj30tea0e3328mvs; path=/",
  "28": "strict-transport-security: max-age=31536000",
  "29": "x-frame-options: SAMEORIGIN",
  "30": "x-content-type-options: nosniff",
  "31": "referrer-policy: strict-origin",
  "32": "permissions-policy: geolocation=(),midi=(),sync-xhr=(),microphone=(),camera=(),magnetometer=(),gyroscope=(),fullscreen=(self),payment=()",
  "33": "x-xss-protection: 1; mode=block",
  "34": "vary: User-Agent",
  "35": "content-type: text/html; charset=UTF-8",
  "36": "date: Fri, 03 Jul 2026 19:29:31 GMT",
  "37": "server: Apache"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	58.26.44.10
Connect Time	3 ms
TTFB	245.38 ms
Total Time	245.47 ms

Response Headers:

```
{
  "0": "HTTP/2 302",
  "1": "strict-transport-security: max-age=31536000",
  "2": "x-frame-options: SAMEORIGIN",
  "3": "x-content-type-options: nosniff",
  "4": "referrer-policy: strict-origin",
  "5": "permissions-policy: geolocation=(),midi=(),sync-xhr=(),microphone=(),camera=(),magnetometer=(),gyroscope=(),fullscreen=(self),payment=()",
  "6": "location: https://bernama.com/en/",
  "7": "cache-control: max-age=172800",
  "8": "expires: Sun, 05 Jul 2026 19:29:32 GMT",
  "9": "content-type: text/html; charset=iso-8859-1",
  "10": "date: Fri, 03 Jul 2026 19:29:32 GMT",
  "11": "server: Apache",
}
```

```

"13": "HTTP/2 200",
"14": "x-powered-by: PHP/8.2.30",
"15": "expires: Thu, 19 Nov 1981 08:52:00 GMT",
"16": "cache-control: no-store, no-cache, must-revalidate",
"17": "pragma: no-cache",
"18": "set-cookie: PHPSESSID=34rdln07angsdetfkkfithfssr0; path=/",
"19": "strict-transport-security: max-age=31536000",
"20": "x-frame-options: SAMEORIGIN",
"21": "x-content-type-options: nosniff",
"22": "referrer-policy: strict-origin",
"23": "permissions-policy: geolocation=(),midi=(),sync-xhr=(),microphone=(),camera=(),magnetometer=(),gyroscope=(),fullscreen=(self),payment=()",
"24": "x-xss-protection: 1; mode=block",
"25": "vary: User-Agent",
"26": "content-type: text/html; charset=UTF-8",
"27": "date: Fri, 03 Jul 2026 19:29:32 GMT",
"28": "server: Apache"
}
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.003264 0.014289
TCP Connect IPv4 → port 443	302 0.003718 0.027139

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
    
```