

IPv6 Readiness Report

myhealth.gov.my — myhealth.gov.my



Scan to verify

Category: Healthcare • Generated: 29 Jul 2026, 04:54 MYT • Last Checked: 04 Jul 2026, 04:53 MYT • Verification ID: 4e67df36-91ea-455f-9184-fa6907289c9c
Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>
Audit trail: <https://ipv6.my6.my/audit/4e67df36-91ea-455f-9184-fa6907289c9c>

X

Non-Compliant

MGv6C-1.0

20%

No IPv6 Support

IPv6-ONLY READINESS

Website: X Not Ready

DNS: ✓ Ready

Email: X Not Ready

IPv4 ADDRESSES
45.124.98.164

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	MAMPU_PDSA2
Country	MY
ASN	AS141201
ASN Name	JDN-AS-MY - Jabatan Digital Negara (JDN), MY
Network (CIDR)	45.124.98.128/25

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%)			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%)			1 / 3
#	CHECK	RESULT	DETAIL
1	A Record	PASS	45.124.98.164
2	HTTP over IPv4	FAIL	HTTP is not accessible over IPv4.
3	HTTPS over IPv4	FAIL	HTTPS is not accessible over IPv4.

Audit Trail & Evidence Record

Verification ID	4e67df36-91ea-455f-9184-fa6907289c9c
Domain	myhealth.gov.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 04:50:58 MYT
Finished	04 Jul 2026, 04:53:57 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/4e67df36-91ea-455f-9184-fa6907289c9c

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	a066c6bf4ae0b98af12650aa452c008d6ccb1b8dd90a3e214a54dbf116a18f3a
http_headers	497747af4445763442a94484e29d5c0856f6505cf1f4d446cf1f2232ca9d7a47
dns_responses	32ed4b418a728d3af1f818303516e95e48f1ad67350754de63cffb59402be8c1
tls_handshake	584d12c28f64c44073e14f6af595b350ea91ff79ca33cee475f4c28f6e6b033d
connectivity_log	c571529628ae93d3d5180dec20e307692d772428bf4569b1feeb29b40bc18e78
dns_resolution_times	a779c40adb1ed1fb351241f9b7345060f13afe5c3ff66dc5d73bf46707094cdf

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	19	20.07	8.82	8.87	-10.2
Google	IPv4	27.23	28.32	30.27	35.04	+3
Google	IPv6	29.91	40.46	43.82	47.06	+13.9
Cloudflare	IPv4	10.78	23.2	23.13	23.47	+12.4
Cloudflare	IPv6	9.64	41.8	12	51.3	+2.4

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 54448
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; ANSWER SECTION:
myhealth.gov.my. 3600 IN A 45.124.98.164
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 31687
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; AUTHORITY SECTION:
gov.my. 3415 IN SOA e.nic.my. hostmaster.nic.my. 2026052768 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 61910
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; AUTHORITY SECTION:
myhealth.gov.my. 3583 IN SOA dns1.gitn.net.my. planning.gitn.com.my. 2025082204 10800 3600 604800 38400
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 6882
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; ANSWER SECTION:
myhealth.gov.my. 3600 IN NS dns1.gitn.net.my.
myhealth.gov.my. 3600 IN NS dns2.gitn.net.my.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 25751
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; AUTHORITY SECTION:
myhealth.gov.my. 3583 IN SOA dns1.gitn.net.my. planning.gitn.com.my. 2025082204 10800 3600 604800 38400
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 1597
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; AUTHORITY SECTION:
myhealth.gov.my. 3583 IN SOA dns1.gitn.net.my. planning.gitn.com.my. 2025082204 10800 3600 604800 38400
```

RRSIG

```
dns1.gitn.net.my. planning.gitn.com.my. 2025082204 10800 3600 604800 38400
```

DNSKEY

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 41118
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
myhealth.gov.my. 3583 IN SOA dns1.gitn.net.my. planning.gitn.com.my. 2025082204 10800 3600 604800 38400
```

DNSSEC_VALIDATION

```
; unsigned answer
myhealth.gov.my. 3583 IN SOA dns1.gitn.net.my. planning.gitn.com.my. 2025082204 10800 3600 604800 38400
```

TLS Handshake Evidence

IPv4 Connection

IP Used	45.124.98.164
IP Version	4
<pre>4007E51EF2720000:error:8000006E:system library:BIO_connect:Connection timed out:../crypto/bio/bio_sock2.c:114:calling connect() 4007E51EF2720000:error:10000067:BIO routines:BIO_connect:connect error:../crypto/bio/bio_sock2.c:116: connect:errno=110</pre>	

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	0
Connected IP	
Connect Time	0 ms
TTFB	0 ms
Total Time	8002.59 ms
Error	Failed to connect to myhealth.gov.my port 80 after 8002 ms: Timeout was reached

IPv4 HTTPS (port 443)

HTTP Status	0
Connected IP	
Connect Time	0 ms
TTFB	0 ms
Total Time	8002.34 ms
Error	Failed to connect to myhealth.gov.my port 443 after 8002 ms: Timeout was reached

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	000 0.000000 0.000000
TCP Connect IPv4 → port 443	000 0.000000 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
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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
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