

IPv6 Readiness Report

dbp.gov.my — dbp.gov.my



Scan to verify

Category: Government • Generated: 04 Jul 2026, 22:33 MYT • Last Checked: 04 Jul 2026, 04:24 MYT • Verification ID: daebc28b-fb19-4e8a-895a-36400e11dd3a

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

Audit trail: <https://ipv6.my6.my/audit/daebc28b-fb19-4e8a-895a-36400e11dd3a>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>40%</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: ✓ Ready</p>
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<p>IPv4 ADDRESSES</p> <p>1.9.24.209</p>
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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)	1.9.0.0/16

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%) 6 / 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	PASS	SMTP port 25 responds over IPv6.
4	STARTTLS over IPv6	PASS	STARTTLS supported 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	1.9.24.209
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 1519ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 1420ms TTFB.

Audit Trail & Evidence Record

Verification ID	daebc28b-fb19-4e8a-895a-36400e11dd3a
Domain	dbp.gov.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 04:24:04 MYT
Finished	04 Jul 2026, 04:24:35 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/daebc28b-fb19-4e8a-895a-36400e11dd3a

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	847dba90f480cf66f19108bf663a3b6e3cfb7103f38405717c8f66a7f257a3f
http_headers	a6ed9c07568b8bdc6f03fb2788cfa8d088bec4f6f744d29c563f091d8eec760
dns_responses	72ea3e4b3f72bbdfecf6bb7120ec46b2c1679dcc08f4e91b04534a43395d137
tls_handshake	a9ac3b61fae9ac8789b7c82be15e41284c9d87e0271eb3687175e5d70fc08c4e
connectivity_log	960048867ec50ec8092287b4b154f9ef85dd65c31fa618a3e7ecbb7dd3954ff5
dns_resolution_times	817b3323b9c03f0f1fe4a84843937652408ca302140c9cbd769b93ac05cbfc2e

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	20.93	21	8.09	8.74	-12.8
Google	IPv4	17.91	29.11	35.79	36.17	+17.9
Google	IPv6	19.68	34.06	38.32	38.36	+18.6
Cloudflare	IPv4	23.17	23.99	10.74	20.96	-12.4
Cloudflare	IPv6	2031.73	2033.91	40.1	2034.46	-1991.6

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 46255
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
dbp.gov.my. 1707 IN A 1.9.24.209
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 29290
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
gov.my. 2459 IN SOA e.nic.my. hostmaster.nic.my. 2026052762 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 23548
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
dbp.gov.my. 1761 IN MX 5 ALT1.ASPMX.L.GOOGLE.COM.
dbp.gov.my. 1761 IN MX 5 ALT2.ASPMX.L.GOOGLE.COM.
dbp.gov.my. 1761 IN MX 1 ASPMX.L.GOOGLE.COM.
dbp.gov.my. 1761 IN MX 10 ALT4.ASPMX.L.GOOGLE.COM.
dbp.gov.my. 1761 IN MX 10 ALT3.ASPMX.L.GOOGLE.COM.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 21083
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 2

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
dbp.gov.my. 1764 IN NS dbp.gov.my.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 25
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
dbp.gov.my. 1776 IN TXT "google-site-verification=xybSrTR-nyeSh0l20kl8ysVZxCKJySRAvFFzYFYWNzI"
dbp.gov.my. 1776 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"
dbp.gov.my. 1776 IN TXT "google-gws-recovery-domain-verification=63481650"
dbp.gov.my. 1776 IN TXT "_c9nbie7htmr0gyl5jxgtq0ppkav36bo"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 46383
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
dbp.gov.my. 1659 IN SOA dbp.gov.my. admin.dbp.gov.my. 2025112706 3600 3600 1209600 3600
```

RRSIG

```
dbp.gov.my. admin.dbp.gov.my. 2025112706 3600 3600 1209600 3600
```

DNSKEY

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 38036  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 1232  
;; AUTHORITY SECTION:  
dbp.gov.my. IN SOA dbp.gov.my. admin.dbp.gov.my. 2025112706 3600 3600 1209600 3600
```

DNSSEC_VALIDATION

```
; unsigned answer  
dbp.gov.my. IN SOA dbp.gov.my. admin.dbp.gov.my. 2025112706 3600 3600 1209600 3600
```


TLS Handshake Evidence

IPV4 Connection

IP Used	1.9.24.209
IP Version	4

```
depth=2 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
verify return:1
depth=1 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
verify return:1
depth=0 C = MY, ST = Wilayah Persekutuan Kuala Lumpur, L = Kuala Lumpur, O = Dewan Bahasa dan Pustaka, CN = *.dbp.gov.my
verify return:1
CONNECTED(00000010)
...
Certificate chain
0 s:C = MY, ST = Wilayah Persekutuan Kuala Lumpur, L = Kuala Lumpur, O = Dewan Bahasa dan Pustaka, CN = *.dbp.gov.my
i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Mar 10 00:00:00 2026 GMT; NotAfter: Sep 24 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGjDCCBXSgAwIBAgIQBZLkS7lrbE40EYbUPsBCeDANBqkqkIG9w0BAQsFADBg
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGLnaUNLcnQgSW5jMRkwFwYDVQLEExB3
d3cuZGlnaWNLcnQuY29tMR8wHQYDVQDEExZHZW9UcnVzdCBUTFMgU1NB1ENBIEcx
MB4XDTI2MDMxMDAwMDAwMFOxDTI2MDkyNDIzNTk1OVowYkxZc2A0BjBGNVBAAYTAk1Z
MSkwJwYDVQIEYyB3XWheWFOIFB1cnLa3V0dWVtIet1YWhhIEx1bXB1c1EYEVMBMG
A1UEBxMMS3VhbGEGTHVtchVvMSEwHwYDVQKExZEXdhbiBCYWhhc2EgZGFuIFB1
c3Rha2ExFTATBGNVBAAMCjYzZGZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZl
ggEPADCCAoCggEBAMcyjdAu1+S3CqZaS9e5mj+2IUeCL/bL9UblBwy511RgR/vc
RW9npUOMVcSpwp7ue8m/PBCmPq+3k2IpgNBpcvqGUPKjUkqNR3pYUSYFwtXAoU39
m4MGwNGkolgXiuIF6UhlSPHCbnt0x6wmcZvg3/0oaLUBDnJ49pw7zJo/rjT8YPL
wuNCvd0Ix5/6qCZ/p39PMXW5BeCummxhnrnqUuoZGnzJ2PpIR3xeSgJfhRvgpnk7
rwANGk6K0WsfLz53W5okVeoVW6ngHmG10Cu0b0Fe6a3NL0nb1xIT80GK066WuPBH
kE3JZ2F+uB6pJ/53EK0nLW/trew2nczMLG3wPg0CAwEAAsCAxYwggMSMB8GA1Ud
IwQYMBAAFFJRP1F2L5KTIpoD+/dj5A0+jvGJXMB0GA1UdDgQWBBTyGTagporQRByI
MGvYqhfCEdrpqzAjBgnVHREEHDAaggwLmRiC5nb3YubXmCmRiC5nb3YubXkXw
PgYDVR0gBDcwNTAzbGZngQwBAGIwKTAAnBggrBgEFBQCARYbaHR0CDOvL3d3dy5k
aWdpY2VydC5jb20vQ1BTMA4GA1UdDwEB/wQEAwIFoDATBgNVHSEUDDAKBgggrBgEF
BQcDATA/BgNVHR8E0DA2MD5gMqAwhi5odHRwOi8vY2RwLmdlL3RydXN0LmNvbS9H
ZW9UcnVzdFRMU1JTQUNBRzEuY3JSMHYGCCSgAQUFBwEBBGoAdAmBgggrBgEFBQcw
AYYaHR0CDOvL3N0YXR1cy5nZW90cnVzdC5jb20wPgYIKwYBBQUHMAKGMmh0dHA6
Ly9jYWNLcnRzLmdlL3RydXN0LmNvbS9HZW9UcnVzdFRMU1JTQUNBRzEuY3J0MAwG
A1UdEwEB/wQCMAAwggF9BgorBgEEAdZSAGQCBIIiB3CSAWkBZwB1AMiXfldfGaNf
7n843rKQ0evHwiFaI r9/1bwtdprZD1LNAABnNU6WfKAAAQDAEYwRAIgcdKQX7Z
p1g4j4do5v8A3/GmdExvlf55ewMjwnkhQ4CIFpE1nlmJCMXfMqMryreJety5X
pKYQ5zZeS/EQRh3UAHUA2ALV05RPEv/IFhlvLE+Fq7D4/F6HVSYPFDucrtFSxQA
AAGC1TpaCAABAMARjBEAIAxTgIAHF76kD7/uS1wCpBMs+56b3iKgXsd/zQF64Pd
cAIgRbKo0uK02dt3udFtIUq2K+Gkmoen2sWFea5gCArvq3cAdwCUTkOH+uzB74Hz
GS0mqBhLAcftXzgcAT9yZ31Vny4Z2AAAAZzV0LoGAAAEAwBIMEYCIQD+k4jRYdK3
ISVLD0m66j0c483DE46zS90UvrrZwsDiCAIHA0dup54KtatULGd2MqHdRDBapMEe
s6YRYE/5zjovbqRjMA0GCSqGSIb3DQEBCwUAIAIBAQBa5dwyFjHzetsNYpcC/Jgz
esotbVp+y9L9JKEJHapRjRaZAFENLfg2oW+Rm/LluBZe6+JeLi0zt2bKXXxSuLf
Y6X4kpGbkMKZKTC9sQAxWnJ3pIBins9xpRa583VvAz0enq1nwlevb292CuH/cb+
0Af1yCKjDsty3703amLZALcKkBsdu2F/NG/swSeYmV4sVXzJfJFC3LwXN4Eo6AYD
DB1fDcEpw1HZ1EszoRtCyJfcr9ECAU5kEjs9Z44mDLXv9+UZwapNsHfiLoF9k
BKR091VzFo7ofiVfZznGqwkj013ey0qaMGyTn1FzCqzbbqZ7VZ7ZfPsqFgv2NH5A
-----END CERTIFICATE-----
1 s:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Nov 2 12:23:37 2017 GMT; NotAfter: Nov 2 12:23:37 2027 GMT
-----BEGIN CERTIFICATE-----
MIIEjTCCA3WgAwIBAgIQDQd4KHM/xvmlcphbMf/ReTANBqkqkIG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGLnaUNLcnQgSW5jMRkwFwYDVQLEExB3
d3cuZGlnaWNLcnQuY29tMSAwHwYDVQDEExdEaWdpQ2VydCBHbG9iYVwUIm9vdCBH
MjAeF0xNzExMDIxMjIzZmZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZl
MjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZlMjZl
MRUwEwYDVQKExwEaWdpQ2VydCBjbmMxGTAXBGNVBAStEHd3dy5kaWdpY2VydC5j
b20xZAdBgNVBAMTFkd1b1RydXN0IFRFRUJBSU0Eg0EgRzEwggEiMA0GCSqGSIb3
DQEBAQUAA4IBDwAwggEKAoIBAQC+F+jsviKky/65LWEX/TMKCDIUwEgh1Ngwvm4Q
yISgP7oU5d79eoyS63v0hC3w/3jEMuipoH1fBtp7m0tTpsYbACh4XA7fud6Wuh
gajeErLVxoiWMPK/DnUvvgi74BjmdBiUgHQ5d7LwsuXpTEGG9fYXcbTVNS5ATyQ
DfBexbYxTmWVJwVob6LrBEGM3gBBqiAiY800xu1Nq07JdCIQkBsNpFtZbZiZsDS
fzLgWP4wEmB03067c+ZkXfr2DcrXBETHam80p25Nhou2U5U7UesDL/xgLK6/0d7
6TnEVMsUVJkZ8VeZr+IUIlvolrtjLbqub0T30YXw+CQO0kBAgMBAAGjggFAMIIB
PDAdBgNVHQ4EFgQULE/UXYvKp0KmgP792PkA760+A1cwHwYDVR0jBBGwFoAUTiJU
IBiY5uNu5g/6+rks7QYXjzkWdYDVR0PAQH/BAQDAgGMB0GA1UdJQQWMB0GCCSgC
AQUFBwMBBgggrBgEFBQcDAjASBGNVHRMBAf8ECCDAGAQH/AgEAMDDGCCSgGAQUFBwEB
BcwGJjAKBgggrBgEFBQcAwAYYAHR0CDOvL29j3cAUZGLnaWNLcnQuY29tMEIGA1Ud
HwQ7MDkxN6A1oDOGmWh0dHA6Ly9jcmwzLmRrZ2ZlZjZkZj0LmNvbS9EaWdpQ2VydEds
b2JhbFJvb3RHMjI5jcmwPQYDVR0gBDYwNDAyBgRVHSAAMCOWKAYIKwYBBQUHAGwE
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	1.9.24.209
Connect Time	10.5 ms
TTFB	1734.32 ms
Total Time	1734.41 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Server: nginx",
  "2": "Date: Fri, 03 Jul 2026 20:24:31 GMT",
  "3": "Content-Type: text/html",
  "4": "Content-Length: 162",
  "5": "Connection: keep-alive",
  "6": "Location: https://dbp.gov.my/",
  "8": "HTTP/2 200",
  "9": "server: nginx",
  "10": "date: Fri, 03 Jul 2026 20:24:33 GMT",
  "11": "content-type: text/html; charset=UTF-8",
  "12": "vary: Accept-Encoding",
  "13": "vary: Accept-Encoding",
  "14": "set-cookie: tablesome_redirect_token=Rp6bvswN5rauu5TrGJLWhfMVZRjnzgWU; path=/; secure",
  "15": "link: <https://dbp.gov.my/wp-json/>; rel=\"https://api.w.org/\"",
  "16": "link: <https://dbp.gov.my/wp-json/wp/v2/pages/1394>; rel=\"alternate\"; title=\"JSON\"; type=\"application/json\"",
  "17": "link: <https://dbp.gov.my/>; rel=shortlink",
  "18": "x-frame-options: SAMEORIGIN",
  "19": "x-content-type-options: nosniff",
  "20": "x-xss-protection: 1; mode=block",
  "21": "x-permitted-cross-domain-policies: master-only",
  "22": "referrer-policy: same-origin",
  "23": "alt-svc: h3=\":443\"; ma=86400"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	1.9.24.209
Connect Time	4.84 ms
TTFB	1401.34 ms
Total Time	1401.38 ms

Response Headers:

```
[
  "HTTP/2 200",
  "server: nginx",
  "date: Fri, 03 Jul 2026 20:24:34 GMT",
  "content-type: text/html; charset=UTF-8",
  "vary: Accept-Encoding",
  "vary: Accept-Encoding",
  "set-cookie: tablesome_redirect_token=ZNnDd3sKkvkhZ8mksZrIT5NIEm31qCg0; path=/; secure",
  "link: <https://dbp.gov.my/wp-json/>; rel=\"https://api.w.org/\"",
  "link: <https://dbp.gov.my/wp-json/wp/v2/pages/1394>; rel=\"alternate\"; title=\"JSON\"; type=\"application/json\"",
  "link: <https://dbp.gov.my/>; rel=shortlink",
  "x-frame-options: SAMEORIGIN",
  "x-content-type-options: nosniff",
  "x-xss-protection: 1; mode=block",
  "x-permitted-cross-domain-policies: master-only",
  "referrer-policy: same-origin",
  "alt-svc: h3=\":443\"; ma=86400"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.003216 0.009234
TCP Connect IPv4 → port 443	200 0.005236 0.474691

Test Node Network Evidence

Node Profile	dual stack
--------------	------------

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
```