

IPv6 Readiness Report

taylors.edu.my — taylors.edu.my



Scan to verify

Category: Education • Generated: 30 Jul 2026, 07:45 MYT • Last Checked: 04 Jul 2026, 03:50 MYT • Verification ID: c72c6e0c-96f3-4838-b155-8a6097738e31
Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>
Audit trail: <https://ipv6.my6.my/audit/c72c6e0c-96f3-4838-b155-8a6097738e31>

X

Non-Compliant

MGv6C-1.0

32%

No IPv6 Support

IPv6-ONLY READINESS

Website: X Not Ready

DNS: X Not Ready

Email: X Not Ready

IPv4 ADDRESSES
14.102.146.251

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	IPSERVERONE-MY
Country	MY
ASN	AS45352
ASN Name	IPSERVERONE-AS-AP - IP ServerOne Solutions Sdn Bhd, MY
Network (CIDR)	14.102.146.0/24

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	DKIM selector found: selector2_domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%)			3 / 3
#	CHECK	RESULT	DETAIL
1	A Record	PASS	14.102.146.251
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 59ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 43ms TTFB.

Audit Trail & Evidence Record

Verification ID	c72c6e0c-96f3-4838-b155-8a6097738e31
Domain	taylors.edu.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:50:04 MYT
Finished	04 Jul 2026, 03:50:26 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/c72c6e0c-96f3-4838-b155-8a6097738e31

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	63c744dd266328d1b78179d60b3fdbc4b246cb984c664c79f3ce3ff446e8fb
http_headers	4a94126ef5068661f90444a9ec609a1029fef1f247633a460c8c752e5ba19852
dns_responses	5fd2209c1a66543908548d8d17c68b0ce33d495a4f6de798397d39c996e61890
tls_handshake	5ea66d962bbd951d1ef311a1abbb418f3dd85386d7994924e7e6547a570226c
connectivity_log	b35a1a5e41a39a43afd283800bcd899de9e9e43ae66f981ad5bf11d59441a226
dns_resolution_times	8d34e7c9fbd48da8e43ad9d25a6e73601bd129396324da16e7a5743c81820b16

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	16.15	23.16	11.46	23.19	-4.7
Google	IPv4	39.16	41	41.35	49.15	+2.2
Google	IPv6	31.47	41.4	37.54	40.89	+6.1
Cloudflare	IPv4	10.79	10.87	21.14	22.68	+10.4
Cloudflare	IPv6	14.05	33.85	24.5	34.57	+10.5

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 51269
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; ANSWER SECTION:
taylors.edu.my. 3600 IN A 14.102.146.251
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 60489
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; AUTHORITY SECTION:
edu.my. 2974 IN SOA e.nic.my. hostmaster.nic.my. 2026052757 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 35757
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; ANSWER SECTION:
taylors.edu.my. 3600 IN MX 5 taylors-edu-my.mail.protection.outlook.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 60458
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 7

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; ANSWER SECTION:
taylors.edu.my. 3600 IN NS ns1.taylors.edu.my.
taylors.edu.my. 3600 IN NS ns2.taylors.edu.my.
taylors.edu.my. 3600 IN NS ns3.taylors.edu.my.
taylors.edu.my. 3600 IN NS tucdns1.taylors.edu.my.
taylors.edu.my. 3600 IN NS tucdns.taylors.edu.my.
taylors.edu.my. 3600 IN NS ns4.taylors.edu.my.
```

TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63943
;; flags: qr rd ra; QUERY: 1, ANSWER: 21, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags;; udp: 1232
;; ANSWER SECTION:
taylors.edu.my. 60 IN TXT "facebook-domain-verification=0pxv5zm3hqrk0y1uxq0rb4905lzne8"
taylors.edu.my. 60 IN TXT "facebook-domain-verification=hxd9kwgf50yhnv32osytomrt4ausfh"
taylors.edu.my. 3600 IN TXT "MS=ms99802452"
taylors.edu.my. 3600 IN TXT "pardot1011061=f21c5fe814dc42d619db319ellab1b0af692a2444c68e28d900a5e96e73a5d05"
taylors.edu.my. 3600 IN TXT "google-site-verification=KBVkzNBtqTFplmQCUSZNZRjwvGFFRYmMQPa-ol1YPko"
taylors.edu.my. 86399 IN TXT "jamf-site-verification=fNi6REGaFfVJmF5eWt_saw"
taylors.edu.my. 3600 IN TXT "google-gws-recovery-domain-verification=59833263"
taylors.edu.my. 3600 IN TXT "google-site-verification=cm_Y3oyP67uPITK67RtfJhzIyTCD_UgAN2oo24ri8A0"
taylors.edu.my. 3600 IN TXT "dell-technologies-domain-verification=taylors.edu.my_4b52cf42-bf8a-4d6a-bd0b-6de096cbc9af_1763193276"
taylors.edu.my. 3600 IN TXT "apple-domain-verification=VpceM9UA12DleLk1"
taylors.edu.my. 3600 IN TXT "v=spf1 ip4:103.145.154.113 ip4:103.145.155.113 a:mail.interasp.com.my ip4:210.48.155.142 ip4:211.25.62.90 mx include:spf.mandrillapp.com include:amazonses.com include:spf.mailjet.com " "include:spf.taylors-prod.catalyst-au.net include:spf.protection.outlook.com -all"
taylors.edu.my. 3600 IN TXT "globalsign-domain-verification=h9E8tmn630roUChwG0aHAYoA0uEW3MUjvRFWr3k69x"
taylors.edu.my. 3600 IN TXT "google-site-verification=vidVJxvjn-w6DKT0zeKoLAKslq0YCCedpARBmHMoK0Y"
taylors.edu.my. 3600 IN TXT "MS=ms90035928"
taylors.edu.my. 3600 IN TXT "MS=ms36044480"
taylors.edu.my. 3600 IN TXT "QJ6irJLJdMakUEQyUMBswSAWqb/ON0qLLYaj/lLfTUpu5kv2t4ykUBoErzKy8L/qMI6tSyGeKpJivm+60ysU0A=="
```

```
taylors.edu.my.003600INTXT"@ 3600 IN TXT \"adobe-idp-site-verification=667063dcff5a78fb317a1018752015255857aedbc9e31cc1564643839537b7c2\""
taylors.edu.my.003600INTXT"adobe-idp-site-verification=667063dcff5a78fb317a1018752015255857aedbc9e31cc1564643839537b7c2"
taylors.edu.my.003600INTXT"MS=ms90772425"
taylors.edu.my.003600INTXT"MS=ms85942864"
taylors.edu.my.003600INTXT"153265845-4346824"
```

AAAA

```
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 50704
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
taylors.edu.my.003579INSOA0lscdns01.taylorsdom.taylors.edu.my. webmaster.taylors.edu.my. 3423 60 1800 1209600 3600
```

RRSIG

```
lscdns01.taylorsdom.taylors.edu.my. webmaster.taylors.edu.my. 3423 60 1800 1209600 3600
```

DNSKEY

```
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 25030
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
taylors.edu.my.003579INSOA0lscdns01.taylorsdom.taylors.edu.my. webmaster.taylors.edu.my. 3423 60 1800 1209600 3600
```

DNSSEC_VALIDATION

```
; unsigned answer
taylors.edu.my.003579INSOA0lscdns01.taylorsdom.taylors.edu.my. webmaster.taylors.edu.my. 3423 60 1800 1209600 3600
```


TLS Handshake Evidence

IPV4 Connection

IP Used	14.102.146.251
IP Version	4

```
depth=2 C = US, O = Internet Security Research Group, CN = ISRG Root X1
verify return:1
depth=1 C = US, O = Let's Encrypt, CN = E8
verify return:1
depth=0 CN = taylors.edu.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = taylors.edu.my
   i:C = US, O = Let's Encrypt, CN = E8
   a:PKKEY: id-ecPublicKey, 384 (bit); sigalg: ecdsa-with-SHA384
   v:NotBefore: May 12 11:35:56 2026 GMT; NotAfter: Aug 10 11:35:55 2026 GMT
-----BEGIN CERTIFICATE-----
MIIDtzCCAz2gAwIBAgISB589Z1ULnBFxfbhqqKIEQbVMAoGCCqGSM49BAMDMDIx
CzAJBgNVBAYTAUVTMRyYwFAYDVQQKEwIMZXQncyBFbmNyeXB0MQswCQYDVQDEwJF
ODAeFw0yNjA1MTIxMTM1NTZaFw0yNjA4MTAxMTM1NTVzMkxkZAVBbnVBMAMTdnRh
eWxvcnMuZWRLM1M1MHYwEAYHKoZIzj0CAQYFK4EEACIDYgAEyhFtd7+tFv+h5rvj
OL4DflaHoZvV2GzDDG2Vu46XaQ0P+dy005huLhEwWLeMPPBaLPBs3h0lRwqRL9wx8
E0FvS5w59pUPF9shzL3if0F4J0Ic1kLlIMGZbCat9SkXa4uBo4ICLTCCAikwDgYD
VR0PAAH/BAQDAGEAMBGA1UdJQQMMAoGCCsGAQUFBwMBMAwGA1UdEwEB/wQCAAAw
HQYDVRO0BBYEFREALTUGKWh5A1wajcRPYKUa6E4PhMB8GA1UdIwQYMBaAFI8NE6L2
Ln7RUGwzGDhdWY4jcpHKMDIGCCsGAQUFBwEBBCCYwJDAiBggrBgEFBQcwAoYWAHR0
cDovL2U4LmkuYVUyY3Iub3JnLnZAtBgNVHREEJjAkagg50YXl3b3JzLmVkdS5teYIS
d3d3LnRheWxvcnMuZWRLM1M1MBMGA1UdIAQMMAAowCAYGZ4EMAQIBMC4GA1UdHwQn
MCUwIeAhoB+GHWh0dHA6Ly9lOC5jLmXlbnNyLm9yZy8xMTIuY3J3S0IIBCBgYKKwYB
BAHWeIEAgSB+wSB+AD2AHUAR2eIOIewTt2Pptl+9i6o64EKx3Fg8CReVdYML+eF
hzoAAAGeHC50xgAABAMARjBEAiB2YZC9gr6Ztwc4UXBhquTp+IKRlcb6bq0rTBWx
7051fIwgXfNuGSs1Jx5yGS+coIKp8ZPd1j5x3NB6E3s2fd/r3dsAfQBz/LAZ06he
qRa8UtEz5NzJHvFBH0lHCDRC4CeGBjrOgAAAZ4CLnTPAagAAUACySqnwQDAEW
RAIgF3zNYn2PG0SEsDVV8K0029lTPjFXJoIwhPrUQT01Pf0CIChpJdbQu8oGTLTY
W3bvBgBeSM6nsinqw1QF/c7+rMeMAoGCCqGSM49BAMDA2gAMGUCMF61NHSX7C0W
l3X9X14f6rUmjQIU0Iw/QBWTXrGwFLIp9FEXo713iZt0qL7iA3uNQiXoAY92foC
QWlrCzQ2G/0u4hRZT3s73ZyckD+WslBGDG78RmQwn7bj9K6TYGWBuw7vww==
-----END CERTIFICATE-----
1 s:C = US, O = Let's Encrypt, CN = E8
   i:C = US, O = Internet Security Research Group, CN = ISRG Root X1
   a:PKKEY: id-ecPublicKey, 384 (bit); sigalg: RSA-SHA256
   v:NotBefore: Mar 13 00:00:00 2024 GMT; NotAfter: Mar 12 23:59:59 2027 GMT
-----BEGIN CERTIFICATE-----
MIIEVjCCAj6gAwIBAgIQY5WY8J0cIjXwRi/w9ftVjANBgkqhkiG9w0BAQsFADBP
MQswCQYDVQQGEwJVUzEpMCcGA1UEChMgSW50ZXJ1ZXQ0U2VjdXJpdHkgUmVzZWYy
Y2g9R3JvdXAxFTATBgNVBAMTDELtUkcGUm9vdCBYMTAeFw0yNDAzMTMwMDAwMDBa
Fw0yNzAzMTIyMzU5NTlMaMDIxZCzAJBgNVBAYTAUVTMRyYwFAYDVQQKEwIMZXQncyBF
bmNyeXB0MQswCQYDVQDEwJFODB2MBAGByqGSM49AgEGBSuBBAAiA2IABNF18l7c
S7QMApZSsvru6Wyr0q44ofTUOTIzxULUzDMMNMchIJBwX0hiLxxxs0LXeb5GDcHb
R6ETmFfgSZj09SNHfY9gjMy9vQr5/wW0rQTZxh7az6NSNnq3u2ubT6HTK0B+DCB
9TA0BgNVHQ8BAf8EBAMCAyYwHQYDVROlBBYwFAYIKwYBBQUHAWIGCCsGAQUFBwMB
MBIGA1UdEwEB/wQIMAYBAf8CAQAwHQYDVRO0BBYEFI8NE6L2Ln7RUGwzGDhdWY4j
cpHKMB8GA1UdIwQYMBaAFHm0WeZ7tuXkAXOACIjIGl726ZtuMDIGCCsGAQUFBwEB
BCYwJDAiBggrBgEFBQcwAoYWAHR0cDovL3gxLmkuYVUyY3Iub3JnLnZAtBgNVHSAZ
MBIGA1UdEwEB/wQIMAYBAf8CAQAwHQYDVRO0BBYEFI8NE6L2Ln7RUGwzGDhdWY4j
cpHKMB8GA1UdIwQYMBaAFHm0WeZ7tuXkAXOACIjIGl726ZtuMDIGCCsGAQUFBwEB
DDAKMAGBmeBDAECAATANBgNVHR8EIDAeMBygGqAYhhZodHRwOi8veDEuY5sZw5j
ci5vcnMuMA0GCSqGSIb3DQEBChUA4ICAQ0BnE0hGINKsCYWi0Xx1ygxD5qihEjZ0
RI3tTZz1lwuATH3ZwYPIp97kwEayenD1j0cDhIYzy4CkDo2jB8D5t0a6zWzlr98d
AOFNh8uKJkIHdLShy+nUyeZxc5bNeMp1Lu0gSZe4McfmNMVipeiwWSY09w820b8
otvXcO2JUYi3svHIWRm3+707DUbL51XMcY2iZdLCq4Wa9nbuk3WTU4gr6LY8MzVA
aDQG2+4U3eJ6qUF10bBnR1uuVyDys9RhrwucRVnfudj29CMLTspLM5f5wSV5hUpm
Uwp/vV7M4w4aGunt74koX71n4EdagCsL/Yk5+mAQU0+tue0J0fAV/R6t1k+Xk9s2
HMQFeoxppfzAVC04FdG9M+AC2JWxmFst6BCuh3CEey3fE52Qrj9YM75rtvIjsm/1
Hl+u/Wqxnu1ZQ4jpa+VpuZiG0LWrpSP9eogd0hCGisnyewWJwRQ0qK16w1GyZeR
xs/Bekw65vw5IaVkBruPiTFM00Zh4gVa8/qJgMbJbyrwwG97z/PRgmLKCDl8z3d
tA0Z7qq7fta0GL24uyuB05dqI5JlLvAzKuWdIjT1tP8qCoxSE/xpix8hX2dt3h+
7ujUgFPFZ0EVZ0xSyBNRF3MboGZnYXFUxpNjTWPkpagDHJQmqraCdMwJnMsFY3jS
uIigv30efnWjSQ==
-----END CERTIFICATE-----
---
Server certificate
subject=CN = taylors.edu.my
issuer=C = US, O = Let's Encrypt, CN = E8
---
No client certificate CA names sent
Peer signing digest: SHA384
Peer signature type: ECDSA
```

```
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 2481 bytes and written 396 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_AES_256_GCM_SHA384
Server public key is 384 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
Early data was not sent
Verify return code: 0 (ok)
---
DONE
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	14.102.146.251
Connect Time	17.98 ms
TTFB	52.96 ms
Total Time	53.04 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:23:07 GMT",
  "2": "Server: Apache/2",
  "3": "Location: https://taylors.edu.my/",
  "4": "Content-Type: text/html; charset=iso-8859-1",
  "6": "HTTP/2 200",
  "7": "date: Fri, 03 Jul 2026 19:23:07 GMT",
  "8": "server: Apache/2",
  "9": "last-modified: Sun, 28 Jun 2026 11:58:03 GMT",
  "10": "etag: \"875a-6554f0de27068\"",
  "11": "accept-ranges: bytes",
  "12": "content-length: 34650",
  "13": "vary: Accept-Encoding,User-Agent",
  "14": "content-type: text/html"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	14.102.146.251
Connect Time	11.21 ms
TTFB	43.38 ms
Total Time	43.41 ms

Response Headers:

```
[
  "HTTP/2 200",
  "date: Fri, 03 Jul 2026 19:23:07 GMT",
  "server: Apache/2",
  "last-modified: Sun, 28 Jun 2026 11:58:03 GMT",
  "etag: \"875a-6554f0de27068\"",
  "accept-ranges: bytes",
  "content-length: 34650",
  "vary: Accept-Encoding,User-Agent",
  "content-type: text/html"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.007473 0.019433
TCP Connect IPv4 → port 443	200 0.010558 0.047368

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