

# IPv6 Readiness Report

taylors.edu.my — taylors.edu.my



Scan to verify

Category: Education • Generated: 04 Jul 2026, 22:12 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>

<p><b>X</b></p> <p><b>Non-Compliant</b></p> <p>MGv6C-1.0</p>	<p><b>32%</b></p> <p><b>No IPv6 Support</b></p>	<p><b>IPv6-ONLY READINESS</b></p> <p>Website: <b>X Not Ready</b></p> <p>DNS: <b>X Not Ready</b></p> <p>Email: <b>X Not Ready</b></p>
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<p><b>IPv4 ADDRESSES</b></p> <p>14.102.146.251</p>
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## 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	<b>Signing Algorithm</b>	<b>INFO</b>	No DNSKEY record found.

**Email Services** (25%) 4 / 6

#	CHECK	RESULT	DETAIL
1	<b>MX Record Exists</b>	<b>PASS</b>	MX record found.
2	<b>MX Server Has IPv6</b>	<b>PASS</b>	MX server has AAAA record.
3	<b>SMTP Reachable via IPv6</b>	<b>FAIL</b>	SMTP is not reachable over IPv6.
4	<b>STARTTLS over IPv6</b>	<b>FAIL</b>	STARTTLS not available over IPv6.
5	<b>SPF Record</b>	<b>PASS</b>	SPF record found.
6	<b>DKIM Selector</b>	<b>INFO</b>	DKIM selector found: selector2_domainkey
7	<b>DMARC Record</b>	<b>PASS</b>	DMARC record found.

**IPv4 Baseline** (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	<b>A Record</b>	<b>PASS</b>	14.102.146.251
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 59ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	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

<b>✓ INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	63c744dd266328d1b78179d60b3fdbc4b246cb984c664c79f3ce3ff446e8fb
http_headers	4a94126ef5068661f90444a9ec609a1029fef1f247633a460c8c752e5ba19852
dns_responses	5fd2209c1a66543908548d8d17c68b0ce33d495a4f6de798397d39c996e61890
tls_handshake	5ea66d962bbd951d1ef311a1abbbba418f3dd85386d7994924e7e6547a570226c
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=hxd9kwgf50yhv32osyomt4ausfh"
taylors.edu.my. 3600 IN TXT "MS=ms99802452"
taylors.edu.my. 3600 IN TXT "pardot1011061=f21c5fe814dc42d619db319e11ab1b0af692a2444c68e28d900a5e96e73a5d05"
taylors.edu.my. 3600 IN TXT "google-site-verification=KbVvkzNBtqTFplmQCUSZNRjvwGFFRYmMQPa-ol1YPko"
taylors.edu.my. 86399 IN TXT "jamf-site-verification=fNi6REGaFvJmF5eWt_saw"
taylors.edu.my. 3600 IN TXT "google-gws-recovery-domain-verification=59833263"
taylors.edu.my. 3600 IN TXT "google-site-verification=cm_Y3oyP67uPITK67RtfJh2IyTCD_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=vidVJxvxn-w6DKT0zeKoLAKslQYCCdEdpARBmMok0Y"
taylors.edu.my. 3600 IN TXT "MS=ms90035928"
taylors.edu.my. 3600 IN TXT "MS=ms36044480"
taylors.edu.my. 3600 IN TXT "QJ6irjLdMakUEQyUMBswSAWqb/ON0qLLYaj/lLftUpu5kv2t4yKUBoErzKy8L/qMI6t5yGeKpJivm+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
```





```
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
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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
```