

IPv6 Readiness Report

harveynorman.com.my — harveynorman.com.my



Scan to verify

Category: E-commerce • Generated: 04 Jul 2026, 22:33 MYT • Last Checked: 04 Jul 2026, 03:44 MYT • Verification ID: 8699b10f-bef9-490d-86fc-ed6c32616383

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

Audit trail: <https://ipv6.my6.my/audit/8699b10f-bef9-490d-86fc-ed6c32616383>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>43%</p> <p>No IPv6 Support</p>	<p>IPv6-ONLY READINESS</p> <p>Website: X Not Ready</p> <p>DNS: ✓ Ready</p> <p>Email: X Not Ready</p>
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IPv4 ADDRESSES
45.60.196.237
45.60.206.237

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Incapsula Inc
Country	US
ASN	AS19551
ASN Name	INCAPSULA - Incapsula Inc, US
Network (CIDR)	45.60.0.0/16

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%)				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%) 3 / 6

#	CHECK	RESULT	DETAIL
1	MX Record Exists	PASS	MX record found.
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	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	45.60.196.237, 45.60.206.237
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 1565ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 1782ms TTFB.

Audit Trail & Evidence Record

Verification ID	8699b10f-bef9-490d-86fc-ed6c32616383
Domain	harveynorman.com.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:43:55 MYT
Finished	04 Jul 2026, 03:44:06 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/8699b10f-bef9-490d-86fc-ed6c32616383

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	f7f66c65737d26aa7f2cd04b512289e75d8534aa56d4f993a8a526a477666d5f
http_headers	24824a66051c51ec32f1b032ea6b93e46d032622b3d23d6dfa9f565a42ceb759
dns_responses	a1c303528f25e33030294059cf03520214103ac56dea4856e1d1a33ef45f4d74
tls_handshake	85a9403ba94ac97da146101311065551ea26491c616dd61609e7c58c1d2b3474
connectivity_log	8629e59d799c48f7296d01dba7ff71b725d88197845d366e0279c85f6a5a93db
dns_resolution_times	62ba37e03db24825256bc3069d67511f837aae1769fed396a6240973513e8512

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	20.05	21.02	20.92	21.03	+0.9
Google	IPv4	19.39	30.05	29.88	30.67	+10.5
Google	IPv6	21.97	25.93	33.96	39.21	+12
Cloudflare	IPv4	20.27	24.58	21.13	22.46	+0.9
Cloudflare	IPv6	14.81	31.12	27.11	39.56	+12.3

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 51176
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
harveynorman.com.my. 3600 IN A 45.60.196.237
harveynorman.com.my. 3600 IN A 45.60.206.237
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 50722
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 2687 IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 64920
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
harveynorman.com.my. 3600 IN MX 10 au-smtp-inbound-1.mimecast.com.
harveynorman.com.my. 3600 IN MX 10 au-smtp-inbound-2.mimecast.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 52126
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
harveynorman.com.my. 86400 IN NS ns3-07.azure-dns.org.
harveynorman.com.my. 86400 IN NS ns4-07.azure-dns.info.
harveynorman.com.my. 86400 IN NS ns1-07.azure-dns.com.
harveynorman.com.my. 86400 IN NS ns2-07.azure-dns.net.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 55464
;; flags: qr rd ra; QUERY: 1, ANSWER: 10, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
harveynorman.com.my. 300 IN TXT "have-i-been-pwned-verification=38229c1695bd07507822b4583614c338"
harveynorman.com.my. 300 IN TXT "_globalsign-domain-verification=7t8TV02_uczeteAbAON0Uepm1mTXZjg0IcBgL7zfq"
harveynorman.com.my. 300 IN TXT "facebook-domain-verification=2y8omquh2btv3u966jk7pj344h0lh8"
harveynorman.com.my. 300 IN TXT "adobe-idp-site-verification=ccf3d5f3749d6b1058adf770c7c63cf8480621366ba162390d3a4fb90cfe1e8"
harveynorman.com.my. 300 IN TXT "google-site-verification=CfJLLSCLzZKEWpvuFhYwH8hiksKEgcaDaxkbKbFXVc"
harveynorman.com.my. 300 IN TXT "globalsign-domain-verification=C7FC416327AAB62CCF37BD65F11E7F1"
harveynorman.com.my. 300 IN TXT "v=spf1 include:au._netblocks.mimecast.com ip4:129.126.154.118 include:_spfcreatesend.com include:spf.mandrillapp.com ~all"
harveynorman.com.my. 300 IN TXT "google-site-verification=WZUsXwVoJIy7zM158AifbR_s0ohsvxFgU9Al6IHfJ0"
harveynorman.com.my. 300 IN TXT "dropbox-domain-verification=y8vqk6ofw5dv"
harveynorman.com.my. 300 IN TXT "MS=ms31814630"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63866
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
```

```
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
harveynorman.com.my. 295 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 1 3600 300 2419200 300
```

RRSIG

```
ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 1 3600 300 2419200 300
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 36168
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
harveynorman.com.my. 295 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 1 3600 300 2419200 300
```

DNSSEC_VALIDATION

```
; unsigned answer
harveynorman.com.my. 3595 IN SOA ns1-07.azure-dns.com. azuredns-hostmaster.microsoft.com. 1 3600 300 2419200 300
```



```

044CV98NRsU213f1kScIZntNagMBAAGjggGBMIIBFTAfBgNVHSMGDAWgBRWc1hk
LfmsGrASKgRieaFAFYghSTAdBgNVHQ4EFgQU42Z0u3Boj5xdTg6mSo+bNyKcgpIw
DgYDVR0PAAQH/BAQDAgGGMBIGAIUdEwEB/wQIMAYBAf8CAQAwHQYDVR0LBBYwFAYI
KwYBBQUHAWEGCCsGAQUFBwMCMBSGA1UdIAQUMBIwBgYEVR0gADAIbgZngQwBAGIw
VAYDVR0fBE0wSzBjOeEgRYZDaHR0cDovL2NybzC5zZWNOaWdvLmNvbS9TZWNOaWdv
UHVibGljU2VydmlVYQXV0aGVudGljYXRpb255b290UjQ2LmNybDcBhAYIKwYBBQUH
AQEEeDB2ME8GCCsGAQUFBzAChkNodHRwOi8vY3J0LnNlY3RlZ28uY29tL1NlY3Rl
Z290dWJsaWNTZXJ2ZXJBdXR0ZW50aWNoZGlvdjV3b3RSNDYucDdjMCMGCCsGAQUF
BzABhdodHRwOi8vb2Nzc5zZWNOaWdvLmNvbTANBgkqhkiG9w0BAQwFAAOCgEA
BZXWDHWC3cubb/e1I1kz181PFiK/ZUoH09ufmV0rc50bYH/XKkKWexSPqRkwKFKr
7r80uG+p7VNB8rifX6uopqKAgsvZtZs7iAFw04To6vNcxeBt1Eush3cQ4b8nbQR
MQLChgEAqwhuXp9P48T4QEBSksYav7+aFjNySsLYLPzNqVM3RNwvBdvp6vgDtGwc
xLKQZVuuNVIAoYyls8swhxDeSHKpRdxRauTLZ+pl+wGvy0pnrLEJGSz9m0Emfbod
e/XopR2NGqaHJ6bIjyxPu6UtyQGI26E7UAeozACRHz06Nx2jTAY9E6NeB6XuobE
wLK025ZRmvgLcURGIbrV24tGHHTGxCe8M3oGLpUSMTKQ2dkgLjZVyt+gKdFtWELZ
MuRdi+x3XsrR8LFz+aLUiDRfQqhmw3RxxjIyVKvuu9UPYY1nsvxYmFnUSEM+2q1z/
iPUry+xDY9MC6+IhLeKT094VKdFVp7LXH42+wwU+17LRoLQ2mK2N/nBLVBwaIhib
QXw4VYKwB86Bc6e56iqsc94KEgD/U4VsjmgfhK+Xp4NM+VYzTTa3QeV3p8x0M0cw
q1p8oZFA+0Bcz3FYWpDiE5j0NwKlw9hXsTyPY/HeZUV59aksKS0SRsmdfe8WJDPX
58uB9/7Lud0G3x0pxQAcffP0ayKavNwDTw4UfJ34cEw=
-----END CERTIFICATE-----
2 s:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
i:C = US, ST = New Jersey, L = Jersey City, O = The USERTRUST Network, CN = USERTrust RSA Certification Authority
a:PKKEY: rsaEncryption, 4096 (bit); sigalg: RSA-SHA384
v:NotBefore: Mar 22 00:00:00 2021 GMT; NotAfter: Jan 18 23:59:59 2038 GMT
-----BEGIN CERTIFICATE-----
MIIGLTCCBH2gAwIBAgIRANJ/u8HeNZ55Fq1hSVhgmcQwDQYJKoZIhvcNAQEMBQAw

```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	45.60.200.237
Connect Time	178.88 ms
TTFB	1398.94 ms
Total Time	1399.08 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Location: https://www.harveynorman.com.my/",
  "2": "Content-Length: 0",
  "3": "Connection: close",
  "5": "HTTP/1.1 200 OK",
  "6": "date: Fri, 03 Jul 2026 19:44:03 GMT",
  "7": "content-type: text/html; charset=utf-8",
  "8": "expires: Mon, 26 Jul 1997 05:00:00 GMT",
  "9": "last-modified: Fri, 03 Jul 2026 19:44:02 GMT",
  "10": "x-frame-options: sameorigin",
  "11": "cache-control: private",
  "12": "strict-transport-security: max-age=31536000",
  "13": "x-content-type-options: nosniff",
  "14": "Set-Cookie: visid_incap_220824=cgx/ocDT55uz79r3qW9AIR5GoAAAAAQUIPAAAAAAACrZaP7Xdk/dvvTkD808/xQ; expires=Sat, 03 Jul 2027 16:40:33 GMT; HttpOnly; path=/; Domain=.harveynorman.com.my",
  "15": "Set-Cookie: nlbi_220824=PJfDFeKlKc/EH4/PTDauBwAAACjFS07qXSJAYVhY0iGnl; HttpOnly; path=/; Domain=.harveynorman.com.my",
  "16": "Set-Cookie: incap_ses_1670_220824=x/6fAr7h5D6mgkyQxwgtFwIR5GoAAAAADPCg6XMNBHF7pu85nVqvPw==; path=/; Domain=.harveynorman.com.my",
  "17": "X-CDN: Imperva",
  "18": "X-Iinfo: 16-25008474-25008475 NNNN CT(7 9 0) RT(1783107842452 6) q(0 0 0 -1) r(0 10) U24"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	45.60.200.237
Connect Time	183.5 ms
TTFB	1603.41 ms
Total Time	1603.63 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Location: https://www.harveynorman.com.my/",
  "2": "Content-Length: 0",
  "3": "Connection: close",
  "5": "HTTP/1.1 200 OK",
  "6": "date: Fri, 03 Jul 2026 19:44:05 GMT",
  "7": "content-type: text/html; charset=utf-8",
  "8": "expires: Mon, 26 Jul 1997 05:00:00 GMT",
  "9": "last-modified: Fri, 03 Jul 2026 19:44:04 GMT",
  "10": "x-frame-options: sameorigin",
  "11": "cache-control: private",
  "12": "strict-transport-security: max-age=31536000",
  "13": "x-content-type-options: nosniff",
  "14": "Set-Cookie: visid_incap_220824=mAmw+QxzROCFwFHxgBt6MgQRSGoAAAAAQUIPAAAAAAD/lxQfbia57odt7tqDUwMp; expires=Sat, 03 Jul 2027 16:39:04 GMT; HttpOnly; path=/; Domain=.harveynorman.com.my",
  "15": "Set-Cookie: nlbi_220824=0SVdMwKltwv/e+rjTDauBwAAAAAf82E3Qt5bYCVdXIIInBHA; HttpOnly; path=/; Domain=.harveynorman.com.my",
  "16": "Set-Cookie: incap_ses_1670_220824=5ak1CJdvsUZdg0yQxwgtFwQRSGoAAAAA+Z4PuJXB1tet5yF7LSqKLA==; path=/; Domain=.harveynorman.com.my",
  "17": "X-CDN: Imperva",
  "18": "X-Iinfo: 15-21647332-21647333 NNNN CT(7 9 0) RT(1783107844055 6) q(0 0 0 -1) r(0 10) U24"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.189733 0.379976
TCP Connect IPv4 → port 443	301 0.190616 0.577545

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
```