

IPv6 Readiness Report

mudah.my — mudah.my



Scan to verify

Category: E-commerce • Generated: 04 Jul 2026, 22:34 MYT • Last Checked: 04 Jul 2026, 03:42 MYT • Verification ID: 3a14256e-39a2-4c07-ad22-aead4e7bd018

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

Audit trail: <https://ipv6.my6.my/audit/3a14256e-39a2-4c07-ad22-aead4e7bd018>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>52%</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
104.17.79.116
104.17.80.116

Network Information (WHOIS / RDAP)

	IPv4 Network
Organization	Cloudflare, Inc.
Country	US
ASN	AS13335
ASN Name	CLOUDFLARENET - Cloudflare, Inc., US
Network (CIDR)	104.16.0.0/12

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%)				4 / 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	PASS	DNSSEC fully validated.	
5	Reverse DNS (PTR)	FAIL	No PTR record found.	
6	DS Record at Parent	PASS	DS record found at parent zone.	
7	RRSIG Valid	PASS	RRSIG signatures are current and valid.	

#	CHECK	RESULT	DETAIL
8	Signing Algorithm	INFO	ECDSAP256SHA256

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: default_domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	104.17.79.116, 104.17.80.116
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 104ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 103ms TTFB.

Audit Trail & Evidence Record

Verification ID	3a14256e-39a2-4c07-ad22-aead4e7bd018
Domain	mudah.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:42:03 MYT
Finished	04 Jul 2026, 03:42:46 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/3a14256e-39a2-4c07-ad22-aead4e7bd018

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	9bda02d4a5faaa59eca5cdf427b8ef378e2260d071c1eeda19a22f3e2d25e5e5
http_headers	aead158ec0bb3decdf900c7ca4cdeee30d36b6997e9186a60a54959219bf6f3
dns_responses	75aae8b5ecbddcdeffa261d3d095c59a1565816a3ac96b944eb163d03665b31
tls_handshake	759be36f46055bd519a9b4c555f49de3f2cba96a23a99dab021ab5c4429b4640
connectivity_log	321d0257eecaf1771ac066a49021fa0bc5ccc334ffe2aee40a2e91088518073c
dns_resolution_times	183dbe020df3d8a20a6f1dbef64c4113b17e637896c096c7ff669ebc980a22c7

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	11.92	22.35	22.59	23.11	+10.7
Google	IPv4	21.26	21.32	31.92	32.1	+10.7
Google	IPv6	24.86	34.27	29.82	30.34	+5
Cloudflare	IPv4	11.15	21.5	21.36	21.41	+10.2
Cloudflare	IPv6	18.71	22.83	30.68	31.96	+12

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14358
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mudah.my. 300 IN A 104.17.80.116
mudah.my. 300 IN A 104.17.79.116
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 18428
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mudah.my. 86358 IN DS 2371 13 2 62F4B0C8B48B1253741D64B1D1B50088CA540C1FCAC7BFBBCE8DAF43 1833FE1E
mudah.my. 86358 IN DS 2371 13 1 AE6BE7AA10886AEA8F28997BF56C2D812F8FE8A9
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 48939
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mudah.my. 3600 IN MX 50 alt4.aspmx.l.google.com.
mudah.my. 3600 IN MX 10 aspmx.l.google.com.
mudah.my. 3600 IN MX 30 alt1.aspmx.l.google.com.
mudah.my. 3600 IN MX 30 alt2.aspmx.l.google.com.
mudah.my. 3600 IN MX 50 alt3.aspmx.l.google.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 55665
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mudah.my. 86400 IN NS alan.ns.cloudflare.com.
mudah.my. 86400 IN NS olivia.ns.cloudflare.com.
```

TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 19394
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 11, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mudah.my. 300 IN TXT "_globalsign-domain-verification=7dWo5nS3TpLr2KsfWoBTrcEp2MjFB8QfAZLUC510ao"
mudah.my. 300 IN TXT "_globalsign-domain-verification=gMEG0G1uqYE4_bJN6roAvYwG0HDia2-ZwULkCYHfhw"
mudah.my. 300 IN TXT "_globalsign-domain-verification=p8ZguIQGfVw9nY2KLJ60bqLQcYjvtUDRBjbpDotE"
mudah.my. 300 IN TXT "atlassian-domain-verification=LVBvLmpaqtDYPDE58h1Fp8ZYpuwLsctRNaht33y3kDSq9RM1wTYRlKToEUE8EV2"
mudah.my. 300 IN TXT "ca3-891b99b9e04c4f728450fec09edac0fb"
mudah.my. 300 IN TXT "facebook-domain-verification=lyk5pfies5gl1o1l91vrnkxz4s223u"
mudah.my. 300 IN TXT "google-site-verification=KjxJG0p_0dXeJom0JqzCgmi43s5vnwXvzeJpDM36mK4"
mudah.my. 300 IN TXT "google-site-verification=Ndvjww7_Bi7020C-58WL-nTcP7C-BDiEXHP9Hqo700Q"
mudah.my. 300 IN TXT "google-site-verification=RaGbWJDVY3JXYMg99Kbq79EPUjUpL_PCEt-iK0PaabM"
mudah.my. 300 IN TXT "google-site-verification=Z0DbwEqtR-u7yRaLW0mzYSJXg40nTLBcox3gmPjTrKw"
mudah.my. 300 IN TXT "v=spf1 mx ip4:50.31.156.96/27 ip4:104.245.209.192/26 ip4:50.31.205.0/24 ip4:147.160.158.0/24 include:sendgrid.net include:spf.mudah.my include:_netblocks.google.com include:mail.zendesk.com include:_netblocks2.google.com include:_netblocks3.google.com i" "nclude:email-od.com ip4:136.143.188.0/24 ip4:135.84.80.0/24 ip4:135.84.82.0/24 ip4:117.20.43.11/32 ip4:136.143.184.0/24 include:amazonses.com ~all"
```

AAAA

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 25045
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
mudah.my. 1800 IN SOA alan.ns.cloudflare.com. dns.cloudflare.com. 2408455966 10000 2400 604800 1800
```

RRSIG

```
alan.ns.cloudflare.com. dns.cloudflare.com. 2408455966 10000 2400 604800 1800
SOA 13 2 1800 20260704204203 20260702184203 34505 mudah.my. 9IPmv/aPS+ngzXoa6AWI/fZE9CPw469IqqWQld8+7CIXDARQvs0s1778 EjsL73BRa+is2Q+o5aNPsZ8A9WHaJg==
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 64680
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
mudah.my. 3558 IN DNSKEY 256 3 13 oJMRESz5E4gYzS/q6XDrvU1qMPYIjCwzJa0au8XNEZeqCYKD5ar0IRd8 KqXXFJkqmVfRvMGPmM1x8fGAa2XhSA==
mudah.my. 3558 IN DNSKEY 257 3 13 mdsswUyr3DPW132m0i8V9xESWE8jTo0dxCjjnopKL+GqJxpVXckHAeF+ KkxLbxILfDLUT0rAK9iUzy1L53eKGQ==
```

DNSSEC_VALIDATION

```
; fully validated
mudah.my. 1758 IN SOA alan.ns.cloudflare.com. dns.cloudflare.com. 2408455966 10000 2400 604800 1800
mudah.my. 1758 IN RRSIG SOA 13 2 1800 20260704204203 20260702184203 34505 mudah.my. 9IPmv/aPS+ngzXoa6AWI/fZE9CPw469IqqWQld8+7CIXDARQvs0s1778 EjsL73BRa+is2Q+o5aNPsZ8A9WHaJg==
```


TLS Handshake Evidence

IPV4 Connection

IP Used	104.17.79.116
IP Version	4

```
depth=2 C = US, O = Google Trust Services LLC, CN = GTS Root R4
verify return:1
depth=1 C = US, O = Google Trust Services, CN = WE1
verify return:1
depth=0 CN = mudah.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
0 s:CN = mudah.my
i:C = US, O = Google Trust Services, CN = WE1
a:PKKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA256
v:NotBefore: Jun 15 04:56:48 2026 GMT; NotAfter: Sep 13 05:56:46 2026 GMT
-----BEGIN CERTIFICATE-----
MIIDnDCCA00gAwIBAgIQSqtTwBcW4T08TyUWfnDAKBggqhkJOPQDAjA7MQsw
CQYDVQQGEwJVUzEeMBwGA1UEChMVR29vZ2x1IFRydXN0IFNlcnZpY2VzMQwwCgYD
VQ0DEwNXRTEwHhcnMjYwNjE1MDQ1NjQ4WmcjYmY0TweZMDU1NjQ2WjATMREwDwYD
VQ0DEwhtdWRhaC5teTBZMBMGByqGSM49AgEGCCcGQSM49AwEHA0IABA+Wqb38yuhx
p1WmXG6JFzJkep5DRcrgwvXbuZr13baVvBjeotowV6u3fFIxcigfdG7WB4ucx2+0
ILED+VCU+7ujggJPMIICSzA0BgNVHQ8BAf8EBAMCB4AwEwYDVR0LBAwwCgYIKwYB
BQUHAWwDAYDVR0TAQH/BAIwADAdBgNVHQ4EFgQUW0MA0qVCakbzVj397f6+K0co
2kwhwYDVR0jBBgwFoAukHeSNWfE/6jMqeZ72YB5e8yT+TgwXgYIKwYBBQUHAQEE
UjBQMCCGCCsGAQUFBzABhhtodHRwOi8vby5wa2kuZ29vZy9zL3dlMS9TcXNwJQYI
KwYBBQUHMAKGWw0dHA6Ly9pLnBraS5nb29nL3dlMS5jcnQwHwYDVR0RBBgwFoII
bXVhYXVgubXmC1ouubXVhYXVgubXmC1ouubXVhYXVgubXmC1ouubXVhYXVgubXmC1
BC8wLTAroCmgJ4YlaHR0cDovL2MucGtpLmdvb2cvd2UxL05TQR0VHVyVDdZLmly
bDCCAQYGCisGAQQB1inkCBAlEgfcEgfoA8gB3AMijxH/Hs625NwsBP2p6Em3j0k5D
pcZG+Zet0XWZhc+aAAABnsnaoLQAAQDAEgwrGihAPQF10rd6aXGIbge+IhV+Z+d
jUPbTAewtYhKw/orn0/dAiEA2jVtIvD0VNLsUIABYL/8D8V/NcCxlprBPDSH+ckh
ha8AdwDxbX0Q0af1d8LH6V/XAL/5gskzWmXh0LMBcxFAyMvPdwAAAZ7J2qJGAAAE
AwBIMEYCIQCshgJCA+PA6CYSheW1QgTe7oYWP1VAXBy+FTNr/F/BNAlhAIM7M8kn
KLI4ZB8dpatqf4V7UplPdR2ow5o9eH2ULbyBMAoGCCcGSM49BAMCA0CAMEQCIFY2
DGug3ohJoWfBkagR+2iob8bb2hrvuinHLmWb9WYA1Brbap06ZNFDBm2D3dfSxc9
jLL+3pUmOI02ZC44vR0Iag==
-----END CERTIFICATE-----
1 s:C = US, O = Google Trust Services, CN = WE1
i:C = US, O = Google Trust Services LLC, CN = GTS Root R4
a:PKKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA384
v:NotBefore: Dec 13 09:00:00 2023 GMT; NotAfter: Feb 20 14:00:00 2029 GMT
-----BEGIN CERTIFICATE-----
MIICnzCCAiwGAWIBAgIQf/MZd5csIkp2FV0TttaF4zAKBggqhkJOPQDAzBHM0sw
CQYDVQQGEwJVUzEiMCAGA1UEChMZR29vZ2x1IFRydXN0IFNlcnZpY2VzIExMQzEU
MBIGA1UEAxMLR1RTIFJvb3Q0UjQwHhcnMjYwNjE1MDQ1NjQ4WmcjYmY0TweZMDU1Nj
MDAwWjA7MQswCQYDVQQGEwJVUzEeMBwGA1UEChMVR29vZ2x1IFRydXN0IFNlcnZp
Y2VzMQwwCgYDVQQDEwNXRTEwHhcnMjYwNjE1MDQ1NjQ4WmcjYmY0TweZMDU1NjQ2
Z1dhTCDhUDCR127WecPQMFcF4XGGTfn1XzthkubgdnXGh0LCgP4mMTG6J7/EFmP
LCAy9eYmJbsPAvpw04H+MIH7MA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBgggr
BgEFBQcDAQYIKwYBBQUHAQEEKAmMCGCCsGAQUFBzABChhhtodHRwOi8vby5wa2ku
Z29vZy9zL3dlMS5jcnQwHwYDVR0fBC0wIjAgoB6gHTYaaHR0cDovL2MucGtpLmdvb2
cvci9yNC5jcmwEwYDVR0gBAwwCjAIBgZngwBAGwEwCgYIKoZIzj0EAwMDaAAwZlIx
A0cCq1HW90VznX+0RGU1cxAQXomvtgM8zItPZCUF08jSBJSjz5keR0v9aYsAm5V
sQIwJonMaAFi54mrfhfFNZEfuNMSQ6/bIBiNliyoX46FohQvKeIoJ99cx7sUkFN
7uJw
-----END CERTIFICATE-----
2 s:C = US, O = Google Trust Services LLC, CN = GTS Root R4
i:C = BE, O = GlobalSign nv-sa, OU = Root CA, CN = GlobalSign Root CA
a:PKKEY: id-ecPublicKey, 384 (bit); sigalg: RSA-SHA256
v:NotBefore: Nov 15 03:43:21 2023 GMT; NotAfter: Jan 28 00:00:42 2028 GMT
-----BEGIN CERTIFICATE-----
MIIDeJCCAmKgAwIBAgIQf+UwvzMT077dghYQST2KGzANBggqhkiG9w0BAQsFADBX
M0swCQYDVQQGEwJCRTEZMBCGA1UEChMQR29vZ2x1IFRydXN0IFNlcnZpY2VzIEY0MA4GA1UE
CxMHUm9vdCBDQTEbMBkGA1UEAxMSR29vZ2x1IFRydXN0IFNlcnZpY2VzIEY0MA4GA1UE
NTAZNDMyMv0XDTI4MDEyODAwMDA0M0wRZELMakGA1UEBHMVVMxIjAgBgNVBAoT
GUdvd2dsZSBSUcVndZCBTZXJ2aWw1cyBMTEmxZDAsBgNVBAMTC0UuYjBSb290IFI0
MHYwEAYHKoZIzj0CAQYFK4EEACIDYgAE83Rzp2iLYK5DUdXfGTB7S0md+8FHzube
Rr1r1WEYNa5A3XP3iZEwMus87oV8okB206nGuEfyKueSkWpz6bFyOZ8pn6KY019e
WIZLD6GEZQbR3IvJx3PIjGov5cSr0R2Ko4H/MIH8MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHSUEFjAUBgggrBgEFBQcDAQYIKwYBBQUHAQEEKAmMCGCCsGAQUFBzABChhhtodHRw
Oi8vby5wa2kuZ29vZy9zL3dlMS5jcnQwHwYDVR0fBC0wIjAgoB6gHTYaaHR0cDovL2MucGtp
Lmdvb2cvci9yNC5jcmwEwYDVR0gBAwwCjAIBgZngwBAGwEwCgYIKoZIzj0EAwMDaAAwZlIx
A0cCq1HW90VznX+0RGU1cxAQXomvtgM8zItPZCUF08jSBJSjz5keR0v9aYsAm5V
sQIwJonMaAFi54mrfhfFNZEfuNMSQ6/bIBiNliyoX46FohQvKeIoJ99cx7sUkFN
7uJw
```

```

Yy5wa2kuZ29vZy9yL2dzcjEuY3JsMBMGA1UdIAQMMAowCAYGZ4EMAQIBMA0GCsQg
SIb3DQEBChwAA4IBAQAQYQrsPBtYDh5bjP20BDwmkoWhIDDkic574y04tfzHpn+cJ
odI2D4SseesQ6bDrarZ7C30ddLibZatoKiws3UL9xnELz4ct92vID24FfVbiIhY
+SW6FoVHkNeWIP0GCbaM4C6uVdF5dTUsMVs/ZbzNnIdCp5Gxmx5ejvEau8otR/Cs
k6N+hr/W5GvT1tMBjgWKZ1i4//emhA1JG1BbPzoLJQvyEotc03lXjTaCzv8mEbeb
8RqZ7a2CPsgRbuvTPBwc0MBBmuFeU88+FSBX6+7iP0i18b4Z0QFqIwwMHfs/L6K1
vepuoxGzi4CZ68zJpiq1UvSqTbFjtbD4seiMHL
-----END CERTIFICATE-----

```

```

---
Server certificate
subject=CN = mudah.my
issuer=C = US, O = Google Trust Services, CN = WE1
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: ECDSA
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 2969 bytes and written 395 bytes
Verification: OK
---
New, TLSv1.2, Cipher is ECDHE-ECDSA-CHACHA20-POLY1305
Server public key is 256 bit
Secure Renegotiation IS supported
Compression: NONE
Expansion: NONE
No ALPN negotiated

```



```

    "21": "via: 1.1 google",
    "22": "cf-cache-status: DYNAMIC",
    "23": "cf-ray: a15860143867f710-KUL"
  }
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.001728 0.007405
TCP Connect IPv4 → port 443	301 0.001211 0.022330

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
    
```