


IPv6 Readiness Report

hbogoasia.my — hbogoasia.my

Category: Streaming • Generated: 20 Apr 2026, 21:09 MYT • Last Checked: 07 Mar 2026, 01:17 MYT • Verification ID: 9aa5104c-e76a-4bf2-a208-522ef46f0dcd
 Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>
 Audit trail: <https://ipv6.my6.my/audit/9aa5104c-e76a-4bf2-a208-522ef46f0dcd>

 Non-Compliant <small>MGv6C-1.0</small>	15% No IPv6 Support	IPv6-ONLY READINESS Website: X Not Ready DNS: X Not Ready Email: X Not Ready
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IPv4 ADDRESSES 54.68.222.49 44.234.133.199

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Amazon Technologies Inc.
Country	US
ASN	AS16509
ASN Name	AMAZON-02 - Amazon.com, Inc., US
Network (CIDR)	54.64.0.0/11

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.
8	Signing Algorithm	INFO	No DNSKEY record found.

Email Services (25%) 0 / 6

#	CHECK	RESULT	DETAIL
1	MX Record Exists	FAIL	No MX record found in DNS.
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	FAIL	No SPF record found.
6	DKIM Selector	INFO	DKIM selector found: default_domainkey
7	DMARC Record	FAIL	No DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	54.68.222.49, 44.234.133.199
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 447ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 692ms TTFB.

Audit Trail & Evidence Record

Verification ID	9aa5104c-e76a-4bf2-a208-522ef46f0dcd
Domain	hbogoasia.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:16:55 MYT
Finished	07 Mar 2026, 01:17:03 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/9aa5104c-e76a-4bf2-a208-522ef46f0dcd

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	6cbe736e6e0a85fac84c28e545ed28b9bb93cfd7735bde8f7bd29ccfa0dcc994
http_headers	d70fe923dd55cfd7d5fb12ff0f66602aebd6b866b1d5aee91bc4386f8c2db9ba
dns_responses	639c817ff964b03e949d7092c20837df74df4bb0d1d19f3eb8cf4c5925c8208c
tls_handshake	cacc6523547a2a34938519a4d3fed858945607238294d900954ce119b0e5d9f7
connectivity_log	83acaa4d08005c9bebd7bb8a5ab398550c6243cc99718b7f1fc8f7274493faf
dns_resolution_times	e3b713e1c53561d9ba03c9a8a05468d61ca2ba52be92350f9d38c11d79b83da1

Test Node Identity

Os	Linux srv1440888 6.8.0-101-generic #101-Ubuntu SMP PREEMPT_DYNAMIC Mon Feb 9 10:15:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.30
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	19.34	21.7	8.36	19	-11
Google	IPv4	16.98	19.57	22.01	28.04	+5
Google	IPv6	21.96	32.01	62.17	64.31	+40.2
Cloudflare	IPv4	19.01	22.16	17.98	20.87	-1
Cloudflare	IPv6	121.29	184.61	10.72	238.45	-110.6

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 51815
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
hbogoasia.my. 00600 IN A 44.234.133.199
hbogoasia.my. 00600 IN A 54.68.222.49
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 31781
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
my. 00018000 IN SOA a.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 48881
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
hbogoasia.my. 00018000 IN SOA ns1-b6.warnerbros.com. wbol-hostmaster.warnerbros.com. 2017010300 3600 1200 604800 300
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 21369
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
hbogoasia.my. 00216000 IN NS ns4-b6.warnerbros.com.
hbogoasia.my. 00216000 IN NS ns3-b6.warnerbros.com.
hbogoasia.my. 00216000 IN NS ns2-b6.warnerbros.com.
hbogoasia.my. 00216000 IN NS ns1-b6.warnerbros.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 4086
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
hbogoasia.my. 00030000 IN TXT "google-site-verification=E8X_CmMG1c6C1pozVqbkz_e8X8HaI_KBdsUrD3loeu4"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 49856
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
hbogoasia.my. 00018000 IN SOA ns1-b6.warnerbros.com. wbol-hostmaster.warnerbros.com. 2017010300 3600 1200 604800 300
```

RRSIG

```
ns1-b6.warnerbros.com. wbol-hostmaster.warnerbros.com. 2017010300 3600 1200 604800 300
```

DNSKEY

```
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 29058
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
hbogoasia.my. 1800 IN SOA ns1-b6.warnerbros.com. wbol-hostmaster.warnerbros.com. 2017010300 3600 1200 604800 300
```

DNSSEC_VALIDATION

```
; unsigned answer
hbogoasia.my. 21600 IN SOA ns1-b6.warnerbros.com. wbol-hostmaster.warnerbros.com. 2017010300 3600 1200 604800 300
```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	403
Connected IP	23.45.176.219
Connect Time	204.19 ms
TTFB	440.43 ms
Total Time	440.53 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 06 Mar 2026 09:17:00 GMT",
  "2": "Content-Type: text/html; charset=iso-8859-1",
  "3": "Content-Length: 271",
  "4": "Connection: keep-alive",
  "5": "Server: nginx",
  "6": "Location: https://www.hbomax.com/",
  "7": "Cache-Control: max-age=600",
  "8": "Expires: Fri, 06 Mar 2026 09:27:00 GMT",
  "10": "HTTP/2 403",
  "11": "server: AkamaiGHost",
  "12": "mime-version: 1.0",
  "13": "content-type: text/html",
  "14": "content-length: 366",
  "15": "cache-control: private, max-age=120",
  "16": "expires: Fri, 06 Mar 2026 09:19:01 GMT",
  "17": "date: Fri, 06 Mar 2026 09:17:01 GMT",
  "18": "set-cookie: countryCode=MY; expires=Fri, 06-Mar-2026 21:17:01 GMT; path=/; domain=.hbomax.com",
  "19": "set-cookie: city=KUALALUMPUR; expires=Fri, 06-Mar-2026 21:17:01 GMT; path=/",
  "20": "set-cookie: continent=AS; expires=Fri, 06-Mar-2026 21:17:01 GMT; path=/",
  "21": "strict-transport-security: max-age=31536000 ; includeSubDomains ; preload",
  "22": "server-timing: ak_p; desc=\"1772788621094_399768744_108372947_24_8362_1_5_15\\\";dur=1"
}
```

IPv4 HTTPS (port 443)

HTTP Status	403
Connected IP	23.45.176.219
Connect Time	203.75 ms
TTFB	642.67 ms
Total Time	642.79 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "date: Fri, 06 Mar 2026 09:17:02 GMT",
  "2": "content-type: text/html; charset=iso-8859-1",
  "3": "content-length: 271",
  "4": "location: https://www.hbomax.com/",
  "5": "server: nginx",
  "6": "cache-control: max-age=600",
  "7": "expires: Fri, 06 Mar 2026 09:27:02 GMT",
  "9": "HTTP/2 403",
  "10": "server: AkamaiGHost",
  "11": "mime-version: 1.0",
  "12": "content-type: text/html",
  "13": "content-length: 366",
  "14": "cache-control: private, max-age=120",
  "15": "expires: Fri, 06 Mar 2026 09:19:02 GMT",
  "16": "date: Fri, 06 Mar 2026 09:17:02 GMT",
  "17": "set-cookie: countryCode=MY; expires=Fri, 06-Mar-2026 21:17:02 GMT; path=/; domain=.hbomax.com",
  "18": "set-cookie: city=KUALALUMPUR; expires=Fri, 06-Mar-2026 21:17:02 GMT; path=/",
  "19": "set-cookie: continent=AS; expires=Fri, 06-Mar-2026 21:17:02 GMT; path=/",
  "20": "strict-transport-security: max-age=31536000 ; includeSubDomains ; preload",
  "21": "server-timing: ak_p; desc=\"1772788622361_399768744_108373852_22_8852_0_4_15\\\";dur=1"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.202058 0.406476
TCP Connect IPv4 → port 443	301 0.200932 0.608835

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
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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
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142
```