

IPv6 Readiness Report

viu.com — viu.com



Scan to verify

Category: Streaming • Generated: 04 Jul 2026, 22:21 MYT • Last Checked: 04 Jul 2026, 03:25 MYT • Verification ID: f8c44aff-d3e8-4766-afa2-219edcebd764

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

Audit trail: <https://ipv6.my6.my/audit/f8c44aff-d3e8-4766-afa2-219edcebd764>

<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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<p>IPv4 ADDRESSES</p> <p>99.86.23.245</p>
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Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Amazon.com, Inc.
Country	US
ASN	AS16509
ASN Name	AMAZON-02 - Amazon.com, Inc., US
Network (CIDR)	99.86.0.0/16

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	PASS	RRSIG signatures are current and valid.

#	CHECK	RESULT	DETAIL
8	Signing Algorithm	INFO	ECDSAP256SHA256

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	DKIM selector found: k1._domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	99.86.23.245
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 823ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 77ms TTFB.

Audit Trail & Evidence Record

Verification ID	f8c44aff-d3e8-4766-afa2-219edcebd764
Domain	viu.com
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:25:46 MYT
Finished	04 Jul 2026, 03:25:55 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/f8c44aff-d3e8-4766-afa2-219edcebd764

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	76621e6abb493f0c4db62b668fc33a2daacea6b423849bea228f87eae5dc124b
http_headers	7833e5d530491a46922454a84886738053a35e1e95d9430116f51954b65e32b7
dns_responses	a44a9f1db3d6a2240fb3f6ea7d938939edd6e536ff5e6b20a757c4d14476066b
tls_handshake	b08269135206dc929772709bc8eb89e0d9813160d9d2a1feffca6d90b064b969
connectivity_log	d66109f0b638de0e474421feef413f1b911e0dac10a6e411f4181c69c6b2c69f
dns_resolution_times	920b9635c7372057d4ec391d8fb78e53ee916d2bc0d67e0d2378a12808882458

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	26.78	27.31	15.84	26.66	-10.9
Google	IPv4	53.55	53.91	48.53	49.56	-5
Google	IPv6	46.3	58.37	41.96	46.45	-4.3
Cloudflare	IPv4	43.92	50.08	42.09	49.53	-1.8
Cloudflare	IPv6	56.53	59.25	51.31	53.51	-5.2

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 28544
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
viu.com. 00600IN[A]18.67.184.245
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 19970
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com. 0008830IN[SOA]a.gtld-servers.net. nstld.verisign-grs.com. 1783106726 1800 900 604800 900
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 59112
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
viu.com. 003000IN[MX]10 inbound-smtp.us-east-1.amazonaws.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 18663
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
viu.com. 00864000IN[NS]ns-1339.awsdns-39.org.
viu.com. 00864000IN[NS]ns-1687.awsdns-18.co.uk.
viu.com. 00864000IN[NS]ns-34.awsdns-04.com.
viu.com. 00864000IN[NS]ns-980.awsdns-58.net.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 18190
;; flags: qr rd ra; QUERY: 1, ANSWER: 9, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
viu.com. 0036000IN[TXT]"google-site-verification=o6jffnF9TLnwW08S4Wpkno3jm1uUE2CwUa7kr48d_Z4"
viu.com. 0036000IN[TXT]"google-site-verification=rZ6FCo07SAdadc9vpXRwjQsz-GP201dnu9IAjuV_6iw"
viu.com. 0036000IN[TXT]"v=spf1 include:_spf.mlsend.com include:amazonses.com include:mail.zendesk.com include:servers.mcsv.net -all"
viu.com. 0036000IN[TXT]"_asd837w8ecj1lmeroqqcm17zfoulp"
viu.com. 0036000IN[TXT]"_globalsign-domain-verification=EL_fr9qTFnQPZ9cqK11P-0im2QjABK-JRXme_OVYjh"
viu.com. 0036000IN[TXT]"_globalsign-domain-verification=5XtRsTxxF7Sj0gJ2nuNVaXS_MTBnMRXqvhqiwFfoJ"
viu.com. 0036000IN[TXT]"_iudsxr6g2L5u7qpjyp59rjbtzxh9ijj"
viu.com. 0036000IN[TXT]"atlassian-domain-verification=uB5RnNHKRhgRNJS47cd2KqyzpVPXuK0tMYChjQZsLZTsB4tkFiuxwCfyttkG2353"
viu.com. 0036000IN[TXT]"brevo-code:609d8184d61602cb73a9b030b05614d7"
```

AAAA

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 40126
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
viu.com. 900 IN SOA ns-34.awsdns-04.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

RRSIG

```
ns-34.awsdns-04.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
SOA 13 2 900 20260703204046 20260703182546 21322 viu.com. HSw+oIHT9Qzmx8gs3+S1zMWg8xVK7UWysHJIgkxaHFpS/mv1zble13b ucP4RE/Ypojyu7miDYGuAQLVUm6hRQ==
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 13106
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
viu.com. 3593 IN DNSKEY 256 3 13 enkdgjzA4x9ViNRmEPAczcbaXC6Gg6SvR3rkeFgx7mD9aaiV+yjXsn9q EiaH1qGzEzxBBZaCAYu/vNqBut8Jka==
viu.com. 3593 IN DNSKEY 257 3 13 bYXLVixJn06xma0sIi/5H0MUZeb6B4dajEwu7VcRkg0EdhrpK7UT7ce2 uwrGzBEZ58KkcJIoAvzc+YVh2vCGSg==
viu.com. 3593 IN DNSKEY 256 3 13 Xr5CFn8kEGjL7mKPWiyCd5yvQuC0JvnNiIE8Mna0jLEJwI0B5xGTJMS0 048EswTunsBqJ6v0Tzft8Ug7HhLIg==
```

DNSSEC_VALIDATION

```
;; validating viu.com/SOA: no valid signature found
; unsigned answer
viu.com. 893 IN SOA ns-34.awsdns-04.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
viu.com. 893 IN RRSIG SOA 13 2 900 20260703204046 20260703182546 21322 viu.com. HSw+oIHT9Qzmx8gs3+S1zMWg8xVK7UWysHJIgkxaHFpS/mv1zble13b ucP4RE/Ypojyu7miDYGuAQLVUm6hRQ==
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	99.86.23.245
Connect Time	32.16 ms
TTFB	95.83 ms
Total Time	96 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Server: CloudFront",
  "2": "Date: Fri, 03 Jul 2026 19:25:55 GMT",
  "3": "Content-Type: text/html",
  "4": "Content-Length: 167",
  "5": "Connection: keep-alive",
  "6": "Location: https://viu.com/",
  "7": "X-Cache: Redirect from cloudfront",
  "8": "Via: 1.1 59eb55ff91d868cdd2d2a77727bf14ca.cloudfront.net (CloudFront)",
  "9": "X-Amz-Cf-Pop: SIN3-P2",
  "10": "Alt-Svc: h3=\":443\"; ma=86400",
  "11": "X-Amz-Cf-Id: dAsfjsrvCWj0DI-TCA_0LQVKMK0Io9A1wYU8ghVUdvrkLJ09jffpQ==",
  "13": "HTTP/2 301",
  "14": "content-type: text/html",
  "15": "content-length: 162",
  "16": "location: https://www.viu.com/index.php",
  "17": "date: Fri, 03 Jul 2026 19:25:47 GMT",
  "18": "set-cookie: AWSALB=DCT3soqud+toQ7VWrJ0vTmZ3fDQeAYUkkSSUEmM7HG+rBu6Hf17PmwB0GxUrE+STP0BzfvIT9JsPkSAvt+LB8V8ystxZdgEDDnr8v2B0Ccap1Jj+gi7Zf7U4A/J; Expires=Fri, 10 Jul 2026 19:25:47 GMT; Path=/",
  "19": "set-cookie: AWSALBCORS=DCT3soqud+toQ7VWrJ0vTmZ3fDQeAYUkkSSUEmM7HG+rBu6Hf17PmwB0GxUrE+STP0BzfvIT9JsPkSAvt+LB8V8ystxZdgEDDnr8v2B0Ccap1Jj+gi7Zf7U4A/J; Expires=Fri, 10 Jul 2026 19:25:47 GMT; Path=/; SameSite=None; Secure",
  "20": "server: nginx",
  "21": "x-cache: Hit from cloudfront",
  "22": "via: 1.1 238a028f249e948a8fac0c24a08a8c90.cloudfront.net (CloudFront)",
  "23": "x-amz-cf-pop: SIN3-P2",
  "24": "alt-svc: h3=\":443\"; ma=86400",
  "25": "x-amz-cf-id: aGwimjEnHlpMatUbgugSo6Zk2wb-MgT5Nox1dVvx6sAa0PBPCzhkMq==",
  "26": "age: 8",
  "28": "HTTP/2 302",
  "29": "content-type: text/html; charset=UTF-8",
  "30": "location: https://www.viu.com/ott/my",
  "31": "date: Fri, 03 Jul 2026 19:25:47 GMT",
  "32": "set-cookie: AWSALB=NdGag/HGDMxo8Eu+aRBbcEPrLvPPbh/q2qWdkf0r7uQeiBd02vmZfUyGfsg/vLuijCq6CZy93bYc/J2cnBNW52u6rjLJrV0eek/7RqazU0URAdItm2L3RlHc3P; Expires=Fri, 10 Jul 2026 19:25:47 GMT; Path=/",
  "33": "set-cookie: AWSALBCORS=NdGag/HGDMxo8Eu+aRBbcEPrLvPPbh/q2qWdkf0r7uQeiBd02vmZfUyGfsg/vLuijCq6CZy93bYc/J2cnBNW52u6rjLJrV0eek/7RqazU0URAdItm2L3RlHc3P; Expires=Fri, 10 Jul 2026 19:25:47 GMT; Path=/; SameSite=None; Secure",
  "34": "server: nginx",
  "35": "cache-control: public,s-maxage=60",
  "36": "x-cache: Hit from cloudfront",
  "37": "via: 1.1 29a257ecf04f1c3b0a1252a2ef64e5ac.cloudfront.net (CloudFront)",
  "38": "x-amz-cf-pop: SIN3-P2",
  "39": "alt-svc: h3=\":443\"; ma=86400",
  "40": "x-amz-cf-id: F_fzK179aLH_SKNAT7JCauMpV73r0z2YQMgMH9vG21aS2sNsvm-AjA==",
  "41": "age: 8",
  "43": "HTTP/2 200",
  "44": "content-type: text/html; charset=utf-8",
  "45": "content-length: 1267530",
  "46": "date: Fri, 03 Jul 2026 19:25:47 GMT",
  "47": "cache-control: max-age=300, stale-while-revalidate=600",
  "48": "x-middleware-rewrite: /ott/my",
  "49": "etag: \"ozmgkoskfmr4dy\"",
  "50": "vary: Accept-Encoding",
  "51": "x-cache: Hit from cloudfront",
  "52": "via: 1.1 29a257ecf04f1c3b0a1252a2ef64e5ac.cloudfront.net (CloudFront)",
  "53": "x-amz-cf-pop: SIN3-P2",
  "54": "alt-svc: h3=\":443\"; ma=86400",
  "55": "x-amz-cf-id: fovBrBdJ6p4DZTW8XUOpB0R_JvB96Z7dsUgbXpwQ2CqRIf9g-qPdZg==",
  "56": "age: 8",
  "57": "x-xss-protection: 1; mode=block",
  "58": "x-frame-options: SAMEORIGIN",
  "59": "referrer-policy: strict-origin-when-cross-origin",
  "60": "x-content-type-options: nosniff",
  "61": "strict-transport-security: max-age=31536000"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	99.86.23.245
Connect Time	19.54 ms
TTFB	82.14 ms
Total Time	82.29 ms

Response Headers:

```
{
```

```

"0": "HTTP/2 301",
"1": "content-type: text/html",
"2": "content-length: 162",
"3": "location: https://www.viu.com/index.php",
"4": "date: Fri, 03 Jul 2026 19:25:47 GMT",
"5": "set-cookie: AWSALB=DCT3soqud+toQ7VWrJ0vTmZ3fDQeAYUkkSSUEMm7HG+rBu6Hf17PmwB0GxUrE+STP0BzfviT9JsPksaVt+LB8V8ystxZdgEDDnr8v2B0Ccap1Jj+gi7Zf7U04A/J; Expires=Fri, 10 Jul 2026 19:25:47 GMT; Path=/",
"6": "set-cookie: AWSALBCORS=DCT3soqud+toQ7VWrJ0vTmZ3fDQeAYUkkSSUEMm7HG+rBu6Hf17PmwB0GxUrE+STP0BzfviT9JsPksaVt+LB8V8ystxZdgEDDnr8v2B0Ccap1Jj+gi7Zf7U04A/J; Expires=Fri, 10 Jul 2026 19:25:47 GMT; Path=/; SameSite=None; Secure",
"7": "server: nginx",
"8": "x-cache: Hit from cloudfront",
"9": "via: 1.1 e7699de1813df454c7e681188b3ffece.cloudfront.net (CloudFront)",
"10": "x-amz-cf-pop: SIN3-P2",
"11": "alt-svc: h3=\":443\"; ma=86400",
"12": "x-amz-cf-id: rPK75Aee-VhLhAXWr6N1K5Ar1v1Vupar8gaLBWEgcokJv_T1i0hcMQ==",
"13": "age: 8",
"15": "HTTP/2 302",
"16": "content-type: text/html; charset=UTF-8",
"17": "location: https://www.viu.com/ott/my",
"18": "date: Fri, 03 Jul 2026 19:25:47 GMT",
"19": "set-cookie: AWSALB=NdGag/HGDMxo8Eu+aRBbcEPrLvPPbh/q2qWdkf0r7uQeiBd02vmZfuYgFsg/vLUijCaq6CZy93bYc/J2cnBNW52u6rjLJrV0eeK/7RqazU0URAdI tm2L3RlHc3P; Expires=Fri, 10 Jul 2026 19:25:47 GMT; Path=/",
"20": "set-cookie: AWSALBCORS=NdGag/HGDMxo8Eu+aRBbcEPrLvPPbh/q2qWdkf0r7uQeiBd02vmZfuYgFsg/vLUijCaq6CZy93bYc/J2cnBNW52u6rjLJrV0eeK/7RqazU0URAdI tm2L3RlHc3P; Expires=Fri, 10 Jul 2026 19:25:47 GMT; Path=/; SameSite=None; Secure",
"21": "server: nginx",
"22": "cache-control: public,s-maxage=60",
"23": "x-cache: Hit from cloudfront",
"24": "via: 1.1 6429f1e8e57f08948635d108cfddd9e6.cloudfront.net (CloudFront)",
"25": "x-amz-cf-pop: SIN3-P2",
"26": "alt-svc: h3=\":443\"; ma=86400",
"27": "x-amz-cf-id: fAbeKkI45NudnBhENBQMRu0kSx8XNce3wvN_A5XbvzvCCLU2i4LbmA==",
"28": "age: 8",
"30": "HTTP/2 200",
"31": "content-type: text/html; charset=utf-8",
"32": "content-length: 1267530",
"33": "date: Fri, 03 Jul 2026 19:25:47 GMT",
"34": "cache-control: max-age=300, stale-while-revalidate=600",
"35": "x-middleware-rewrite: /ott/my",
"36": "etag: \"ozmgkoskfmr4dy\"",
"37": "vary: Accept-Encoding",
"38": "x-cache: Hit from cloudfront",
"39": "via: 1.1 6429f1e8e57f08948635d108cfddd9e6.cloudfront.net (CloudFront)",
"40": "x-amz-cf-pop: SIN3-P2",
"41": "alt-svc: h3=\":443\"; ma=86400",
"42": "x-amz-cf-id: NTPnIBPhFq_eyRmjRCVZLsAtJEoWIMM2H396ymftakV4NFB8dMdj00==",
"43": "age: 8",
"44": "x-xss-protection: 1; mode=block",
"45": "x-frame-options: SAMEORIGIN",
"46": "referrer-policy: strict-origin-when-cross-origin",
"47": "x-content-type-options: nosniff",
"48": "strict-transport-security: max-age=31536000"
}
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.009786 0.018124
TCP Connect IPv4 → port 443	301 0.009520 0.100926

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
```