


# IPv6 Readiness Report

snapchat.com — snapchat.com

Category: Social Media • Generated: 20 Apr 2026, 21:07 MYT • Last Checked: 07 Mar 2026, 01:17 MYT • Verification ID: d745a9a9-1419-49ff-8413-f5a9c6a83241

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

Audit trail: <https://ipv6.my6.my/audit/d745a9a9-1419-49ff-8413-f5a9c6a83241>

 <b>Non-Compliant</b> <small>MGv6C-1.0</small>	<b>47%</b> <b>Partial Support</b>	<b>IPV6-ONLY READINESS</b> Website: <span style="color: red;">✗ Not Ready</span> DNS: <span style="color: green;">✓ Ready</span> Email: <span style="color: red;">✗ Not Ready</span>
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<b>IPV4 ADDRESSES</b> 34.149.46.130
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## Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Google LLC
Country	US
ASN	AS396982
ASN Name	GOOGLE-CLOUD-PLATFORM - Google LLC, US
Network (CIDR)	34.128.0.0/10

Web Services (35%) <span style="float: right;">0 / 8</span>			
#	CHECK	RESULT	DETAIL
1	<b>AAAA Record</b>	<span style="color: red;">FAIL</span>	No AAAA record found in DNS.
2	<b>Globally Routable IPv6</b>	<span style="color: red;">FAIL</span>	IPv6 address is not globally routable.
3	<b>HTTP over IPv6</b>	<span style="color: red;">FAIL</span>	HTTP is not accessible over IPv6.
4	<b>HTTPS over IPv6</b>	<span style="color: red;">FAIL</span>	HTTPS is not accessible over IPv6.
5	<b>IPv6-Only Reachability</b>	<span style="color: red;">FAIL</span>	Site is not reachable when limited to IPv6-only.
6	<b>TLS Certificate Valid (IPv6)</b>	<span style="color: red;">FAIL</span>	TLS certificate is invalid, expired, or hostname mismatch over IPv6.
7	<b>Dual-Stack (IPv4 + IPv6)</b>	<span style="color: red;">FAIL</span>	Domain is IPv6-only or IPv4-only.
8	<b>HTTP/3 (QUIC)</b>	<span style="color: red;">FAIL</span>	No HTTP/3 support detected.

DNS & DNSSEC (25%) <span style="float: right;">3 / 5</span>			
#	CHECK	RESULT	DETAIL
1	<b>NS Has AAAA Record</b>	<span style="color: green;">PASS</span>	Nameserver has IPv6 address.
2	<b>NS Reachable via IPv6</b>	<span style="color: green;">PASS</span>	Nameserver is reachable via IPv6 on port 53.
3	<b>NS Answers Queries via IPv6</b>	<span style="color: green;">PASS</span>	DNS queries answered over IPv6.
4	<b>DNSSEC Validated</b>	<span style="color: red;">FAIL</span>	DNSSEC validation failed or zone is unsigned.
5	<b>Reverse DNS (PTR)</b>	<span style="color: red;">FAIL</span>	No PTR record found.
6	<b>DS Record at Parent</b>	<span style="color: red;">FAIL</span>	No DS record at parent.
7	<b>RRSIG Valid</b>	<span style="color: red;">FAIL</span>	No valid RRSIG found.
8	<b>Signing Algorithm</b>	<span style="color: purple;">INFO</span>	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: google._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>	34.149.46.130
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 308ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 264ms TTFB.

## Audit Trail & Evidence Record

Verification ID	d745a9a9-1419-49ff-8413-f5a9c6a83241
Domain	snapchat.com
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:15:48 MYT
Finished	07 Mar 2026, 01:17:12 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/d745a9a9-1419-49ff-8413-f5a9c6a83241

## Integrity Verification

✓ <b>INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	250f122ce9472ce81a7d74608a2a1b4b5f344de27b5748a95778386ce6c3045a
http_headers	b524fa60bafdc6a820d57f25fe079d1cd289ecd42d33c7aa3f04fdf3b380d1c3
dns_responses	e5eaae59285c57d48d280f09f8c27add814021fe30b585641643eb956a352ac3
tls_handshake	1dbace2b6be0aea62164b8b6d5099a6a49dda5a461a5b2d2871a5927a99bc919
connectivity_log	f9e224a5dcf88439c03b0a1abd919e9348c14f743b1992d4563e93e6a06ade94
dns_resolution_times	5f0ccfd6ad9dc86ad9e806ff73ecf15961ee9f2aa77eb7c621d5493b9212d5

## 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	17.99	20.12	9	17.76	-9
Google	IPv4	16.01	27.17	18.6	28.88	+2.6
Google	IPv6	18.99	42.15	16.8	17.07	-2.2
Cloudflare	IPv4	19.28	176.87	9.83	15.23	-9.5
Cloudflare	IPv6	12.93	28.16	9.77	16.26	-3.2



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 2742
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
snapchat.com. 0025 IN A 34.149.46.130
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 61181
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com. 00527 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1772788231 1800 900 604800 900
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 54121
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
snapchat.com. 0017530 IN MX 20 alt1.aspmx.l.google.com.
snapchat.com. 0017530 IN MX 30 alt2.aspmx.l.google.com.
snapchat.com. 0017530 IN MX 40 aspmx2.googlemail.com.
snapchat.com. 0017530 IN MX 50 aspmx3.googlemail.com.
snapchat.com. 0017530 IN MX 10 aspmx.l.google.com.
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 6069
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
snapchat.com. 0021600 IN NS ns-1468.awsdns-55.org.
snapchat.com. 0021600 IN NS ns-530.awsdns-02.net.
snapchat.com. 0021600 IN NS ns-220.awsdns-27.com.
snapchat.com. 0021600 IN NS ns-1892.awsdns-44.co.uk.
```

### TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 38016
;; flags: qr rd ra; QUERY: 1, ANSWER: 35, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
snapchat.com. 00300 IN TXT "https://issues.sonatype.org/browse/OSSRH-54682"
snapchat.com. 00300 IN TXT "anthropic-domain-verification-kg6835=FrP90V31rmTTa7Cu3plQLLMEx"
snapchat.com. 00300 IN TXT "dropbox-domain-verification=oypu2eeh56yg"
snapchat.com. 00300 IN TXT "_hh9zpxhf35itoutv7mwibqktr44s3s"
snapchat.com. 00300 IN TXT "nyy2gbb26yz2kntxp7ynycsvql0sw71"
snapchat.com. 00300 IN TXT "miro-verification=b341b9dfb098865b7517b6c662e94e5538603be4"
snapchat.com. 00300 IN TXT "segment-site-verification=e6U89hyQcmGvDFTApWYKvbj7NFSMu8zj"
snapchat.com. 00300 IN TXT "adobe-idp-site-verification=1b7089e1333b1302c4f425ff60baae967ac377d76fb6aa7bb61c9f0282fd664d"
snapchat.com. 00300 IN TXT "apple-domain-verification=hAi0YbrGnN5ny4wm"
snapchat.com. 00300 IN TXT "atlassian-domain-verification=TH6BFQJRvZM36e0pNbXcEI/RpTrqBb2JDxzoBsBLa3RajLrpmc6pK6Quau40P70a"
snapchat.com. 00300 IN TXT "google-site-verification=bgzZGVg0r4py5YcPQHFZYJFJbarBD_shCxIvjQ51grI"
snapchat.com. 00300 IN TXT "TAILSCALE-bAU9TfNGoz4iD4hioxcp"
snapchat.com. 00300 IN TXT "pardot_346841_*=de35b68dd0e766cfba41cc068f8b424a6ce7ac92052cb30fe9a4a55ca88a0583"
snapchat.com. 00300 IN TXT "logmein-verification-code=fd76bf0c-ec62-4587-bb84-4511579e41f4"
snapchat.com. 00300 IN TXT "atlassian-domain-verification=P7v4/05uI03V2xs0fPTYTZLbRwBN1QkqBg4E/zqmJVvyWKraMaJRbamwk2vWrX0"
```

```
snapchat.com.003000IN0TXT0"yahoo-verification-key=xUKCyvTR9ya3lyjYFuWPLGfSFLC/5C0y2txg4crwEbw="
snapchat.com.003000IN0TXT0"v=spf1 include:_spf.google.com include:mail.zendesk.com include:aspmx.pardot.com -all"
snapchat.com.003000IN0TXT0"yahoo-verification-key=T1Hbkkgw9crF2nr93/q/Zb+IzUPXWSZEmqh1G5VCds0="
snapchat.com.003000IN0TXT0"google-site-verification=Ro2UVvcjx7U_bRc-_HAUELM0xwk4Y6n5FX9F0t8BDs0"
snapchat.com.003000IN0TXT0"onetrust-domain-verification=faca66624bfe477db467f97c7583b7ba"
snapchat.com.003000IN0TXT0"docker-verification=2351a4bf-bc17-42ff-8fca-521e86376280"
snapchat.com.003000IN0TXT0"autodesk-domain-verification=56bhF0FKFgY957I6SLKW"
snapchat.com.003000IN0TXT0"MS=255BA8D56417782169DA12894F5A53521A65F7F2"
snapchat.com.003000IN0TXT0"canva-site-verification=blQT_XTq0BtV9rXZPJYTVg"
snapchat.com.003000IN0TXT0"atlassian-domain-verification=t2mP/0xdJvz/528h3o/5eg0c105U1aKneVRngl19cfhI4Un8gQxYaQjIPVaKpKpT"
snapchat.com.003000IN0TXT0"smartsheet-site-validation=dw0Mi fosV2eGg1JG9ZTtiGp5GNuiqyBJ"
snapchat.com.003000IN0TXT0"jamf-site-verification=_Y2-z-8UweEkmdMZsNbTJg"
snapchat.com.003000IN0TXT0"google-site-verification=Eo-pwhENGkrh6E74BafjjhK4dGk0B1Tv12bUn5UPSY"
snapchat.com.003000IN0TXT0"google-site-verification=tHsCd67KywyjuYvvr7V9I4PFTXznN48z-jvPm20yBE"
snapchat.com.003000IN0TXT0"yahoo-verification-key=hbsSgAjpgGym9aXgBQSAX5APr5RKaTLmtGLqFTCMIEo="
snapchat.com.003000IN0TXT0"3ae8f0a14f7a4c98a9023fe8947467bd"
snapchat.com.003000IN0TXT0"google-site-verification=eye-nbnjs2nv4ll-8vo9ijpgkdvys8h2j_1bzkp-t0"
snapchat.com.003000IN0TXT0"onetrust-domain-verification=32eb1654587e494fbd3b4f8a54a6b57f"
snapchat.com.003000IN0TXT0"shopify-verification-code=6Ab5mjYHNX0f0CzG0oBfncSsCVJfgT"
snapchat.com.003000IN0TXT0"openai-domain-verification=dv-qRVXfFNUY6fvPEXy5SkTuRnd"
```

## AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 49952
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
snapchat.com.004890IN0S0A0ns-220.awsdns-27.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

## RRSIG

```
ns-220.awsdns-27.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

## DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 55979
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
snapchat.com.009000IN0S0A0ns-220.awsdns-27.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

## DNSSEC\_VALIDATION

```
; unsigned answer
snapchat.com.009000IN0S0A0ns-220.awsdns-27.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```









HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	34.149.46.130
Connect Time	5.99 ms
TTFB	434.96 ms
Total Time	435.07 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Cache-Control: private",
  "2": "Location: https://snapchat.com:443/",
  "3": "Content-Length: 0",
  "4": "Date: Fri, 06 Mar 2026 09:17:10 GMT",
  "5": "Content-Type: text/html; charset=UTF-8",
  "7": "HTTP/2 301",
  "8": "cache-control: private",
  "9": "location: https://www.snapchat.com:443/",
  "10": "content-length: 0",
  "11": "date: Fri, 06 Mar 2026 09:17:10 GMT",
  "12": "content-type: text/html; charset=UTF-8",
  "13": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000",
  "15": "HTTP/2 200",
  "16": "cache-control: public, max-age=10800, s-maxage=10800, stale-while-revalidate=5400",
  "17": "x-frame-options: DENY",
  "18": "x-xss-protection: 0",
  "19": "content-security-policy: connect-src 'self' blob: https://gcp.api.snapchat.com https://aws.api.snapchat.com https://*.google-analytics.com https://*.analytics.google.com https://stats.g.doubleclick.net https://*.googletagmanager.com https://www.snapchat.com https://app.snapchat.com https://sentry.sc-prod.net https://us-central1-gcp.api.snapchat.com https://accounts.snapchat.com ws: wss: https://static.snapchat.com https://cdn.contentful.com https://story.snapchat.com https://hcaptcha.com https://*.hcaptcha.com https://www.google.com/recaptcha/ https://session.snapchat.com https://graphql.contentful.com https://cf-st.sc-cdn.net https://app.snapchat.com https://s.sc-cdn.net https://bolt-gcdn.sc-cdn.net; img-src 'self' blob: data: https://support-tools.storage.googleapis.com https://www.snapchat.com https://story.snapchat.com https://cf-st.sc-cdn.net https://*.google-analytics.com https://*.googletagmanager.com data: https://www.google.com https://www.google.co.uk https://www.google.com.sa https://www.google.ca https://www.google.fr https://www.google.com.no https://www.google.com.au https://static.snapchat.com https://images.bitmoji.com https://impala-media-production.s3.amazonaws.com https://bolt-gcdn.sc-cdn.net https://lens-storage.storage.googleapis.com https://community-lens.storage.googleapis.com https://lens-preview-storage.storage.googleapis.com https://app.snapchat.com https://sc-static-web-assets-prod.s3.amazonaws.com https://storage.googleapis.com; media-src https://bolt-gcdn.sc-cdn.net https://static.snapchat.com https://s.sc-cdn.net https://cf-st.sc-cdn.net blob:; script-src 'wasm-unsafe-eval' 'self' https://static.snapchat.com https://www.google-analytics.com https://*.googletagmanager.com https://hcaptcha.com https://*.hcaptcha.com https://www.google.com/recaptcha/ https://www.gstatic.com/recaptcha/; style-src 'self' https://static.snapchat.com https://hcaptcha.com https://*.hcaptcha.com 'unsafe-inline'; default-src 'self'; font-src 'self' https://snap-design-system.storage.googleapis.com https://ads-interfaces.sc-cdn.net https://static.snapchat.com; object-src 'self' *.snapchat.com *.snap.com blob:; frame-ancestors https://localhost:3000 https://www.snapchat.com; frame-src https://iframe.arkoselabs.com https://hcaptcha.com https://*.hcaptcha.com https://www.google.com/recaptcha/ https://recaptcha.google.com/recaptcha/; report-uri ; report-to ; block-all-mixed-content",
  "20": "strict-transport-security: max-age=31536000",
  "21": "strict-transport-security: max-age=31536000; includeSubDomains",
  "22": "x-request-id: 5461bc54-b56a-4a4c-9042-0e1e9b1db699",
  "23": "x-snap-client-country: MY",
  "24": "vary: x-gcp-device-type, x-gcp-client-region, Accept-Encoding",
  "25": "x-powered-by: Next.js",
  "26": "etag: \"d5sg7lpo0jlk8o\"",
  "27": "content-type: text/html; charset=utf-8",
  "28": "content-length: 73152",
  "29": "date: Fri, 06 Mar 2026 09:17:10 GMT",
  "30": "x-envoy-upstream-service-time: 178",
  "31": "server: API Gateway",
  "32": "via: 1.1 google",
  "33": "x-gcp-cache-status: miss",
  "34": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000"
}
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	34.149.46.130
Connect Time	3.88 ms
TTFB	383.3 ms
Total Time	383.8 ms

Response Headers:

```
{
```

```

"0": "HTTP/2 301",
"1": "cache-control: private",
"2": "location: https://www.snapchat.com:443/",
"3": "content-length: 0",
"4": "date: Fri, 06 Mar 2026 09:17:11 GMT",
"5": "content-type: text/html; charset=UTF-8",
"6": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000",
"8": "HTTP/2 200",
"9": "cache-control: public, max-age=10800, s-maxage=10800, stale-while-revalidate=5400",
"10": "x-frame-options: DENY",
"11": "x-xss-protection: 0",
"12": "content-security-policy: connect-src 'self' blob: https://gcp.api.snapchat.com https://aws.api.snapchat.com https://*.google-analytics.com
https://*.analytics.google.com https://stats.g.doubleclick.net https://*.googletagmanager.com https://www.snapchat.com https://app.snapchat.com https://sentry.sc-
prod.net https://us-central1-gcp.api.snapchat.com https://accounts.snapchat.com ws: wss: https://static.snapchat.com https://cdn.contentful.com
https://story.snapchat.com https://hcaptcha.com https://*.hcaptcha.com https://www.google.com/recaptcha/ https://session.snapchat.com https://graphql.contentful.com
https://cf-st.sc-cdn.net https://app.snapchat.com https://s.sc-cdn.net https://bolt-gcdn.sc-cdn.net; img-src 'self' blob: data: https://support-
tools.storage.googleapis.com https://www.snapchat.com https://story.snapchat.com https://cf-st.sc-cdn.net https://*.google-analytics.com
https://*.googletagmanager.com data: https://www.google.com https://www.google.co.uk https://www.google.com.sa https://www.google.ca https://www.google.fr
https://www.google.com.no https://www.google.com.au https://static.snapchat.com https://images.bitmoji.com https://impala-media-production.s3.amazonaws.com
https://bolt-gcdn.sc-cdn.net https://lens-storage.storage.googleapis.com https://community-lens.storage.googleapis.com https://lens-preview-
storage.storage.googleapis.com https://app.snapchat.com https://sc-static-web-assets-prod.s3.amazonaws.com https://storage.googleapis.com; media-src https://bolt-
gcdn.sc-cdn.net https://static.snapchat.com https://s.sc-cdn.net https://cf-st.sc-cdn.net blob; script-src 'wasm-unsafe-eval' 'self' https://static.snapchat.com
https://www.google-analytics.com https://*.googletagmanager.com https://hcaptcha.com https://*.hcaptcha.com https://www.google.com/recaptcha/
https://www.gstatic.com/recaptcha/; style-src 'self' https://static.snapchat.com https://recaptcha.com https://*.hcaptcha.com 'unsafe-inline'; default-src 'self';
font-src 'self' https://snap-design-system.storage.googleapis.com https://ads-interfaces.sc-cdn.net https://static.snapchat.com; object-src 'self' *.snapchat.com
*.snap.com blob; frame-ancestors https://localhost:3000 https://www.snapchat.com; frame-src https://iframe.arkoselabs.com https://hcaptcha.com
https://*.hcaptcha.com https://www.google.com/recaptcha/ https://recaptcha.google.com/recaptcha/; report-uri ; report-to ; block-all-mixed-content",
"13": "strict-transport-security: max-age=31536000",
"14": "strict-transport-security: max-age=31536000; includeSubDomains",
"15": "x-request-id: 25ce5511-18bf-475e-ac56-9d62eaa39df8",
"16": "x-snap-client-country: MY",
"17": "vary: x-gcp-device-type, x-gcp-client-region, Accept-Encoding",
"18": "x-powered-by: Next.js",
"19": "etag: \"d5sg7lpo0jlk8o\"",
"20": "content-type: text/html; charset=utf-8",
"21": "content-length: 73152",
"22": "date: Fri, 06 Mar 2026 09:17:11 GMT",
"23": "x-envoy-upstream-service-time: 136",
"24": "server: API Gateway",
"25": "via: 1.1 google",
"26": "x-gcp-cache-status: miss",
"27": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000"
}
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.001825 0.004542
TCP Connect IPv4 → port 443	301 0.001362 0.027207

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