IPv6 Readiness Report

youtube.com — youtube.com

Scan to verify

Category: Streaming • Generated: 02 Nov 2026, 03:05 MYT • Last Checked: 08 Aug 2026, 18:20 MYT • Verification ID: 4f5e4d0b-25ca-4961-9d16-14c5a03a7c9d
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/4f5e4d0b-25ca-4961-9d16-14c5a03a7c9d

✓
Compliant
MGv6C-1.0

95%
Fully IPv6 Ready

IPV6-ONLY READINESS
Website: ✓ **Ready**
DNS: ✓ **Ready**
Email: ✗ **Not Ready**

IPV6 ADDRESSES
2404:6800:4001:804::200e

IPV4 ADDRESSES
172.217.26.206

Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	Google International, LLC	Google LLC
Country	AU	US
ASN	AS15169	AS15169
ASN Name	GOOGLE - Google LLC, US	GOOGLE - Google LLC, US
Network (CIDR)	2404:6800::/32	172.217.0.0/16

Web Services (35%) — 8 / 8

#	CHECK	RESULT	DETAIL
1	**AAAA Record**	PASS	2404:6800:4001:804::200e
2	**Globally Routable IPv6**	PASS	All addresses are globally routable.
3	**HTTP over IPv6**	PASS	HTTP (port 80) responds over IPv6 — 246ms TTFB.
4	**HTTPS over IPv6**	PASS	HTTPS (port 443) responds over IPv6 — 302ms TTFB.
5	**IPv6-Only Reachability**	PASS	Site is fully reachable via IPv6-only.
6	**TLS Certificate Valid (IPv6)**	PASS	Certificate valid — issued by C = US, O = Google Trust Services, CN = WR2, expires Oct 12 18:05:55 2026 GMT
7	**Dual-Stack (IPv4 + IPv6)**	PASS	Domain has both A and AAAA records.
8	**HTTP/3 (QUIC)**	PASS	Alt-Svc: h3 header 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**	FAIL	DNSSEC validation failed or zone is unsigned.
5	**Reverse DNS (PTR)**	PASS	PTR record found in ip6.arpa.
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%) — 4 / 4

#	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: selector1._domainkey
7	**DMARC Record**	PASS	DMARC record found.

IPv4 Baseline (15%) — 3 / 3

#	CHECK	RESULT	DETAIL
1	**A Record**	PASS	172.217.26.206
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4 — 235ms TTFB.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4 — 326ms TTFB.

Audit Trail & Evidence Record

Verification ID	4f5e4d0b-25ca-4961-9d16-14c5a03a7c9d
Domain	youtube.com
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:19:53 MYT
Finished	08 Aug 2026, 18:20:16 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/4f5e4d0b-25ca-4961-9d16-14c5a03a7c9d

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	89aa6cb4ceb5082a25cb0d631bcdd31154e66636466d09fa8ab5e1d562771683
http_headers	f69431384c6b33b3fe4d56328c8d0d5162248b22e8f980ed69aacf3823241ac2
dns_responses	4f9504680cc22aebd267d3b2f68353fbb9ae59be2760787e011b77c754c13be6
tls_handshake	ba5e18790484807dc62fb4f6906dd944852fd855b4b6b2c5f6dcdb73d6721e35
connectivity_log	4eb2114e181a1118b6c49021c8d01c52c906870d0004600c48196f335acb7e4c
dns_resolution_times	a97d8e5aa4d67a9d3a88b2c61595a62b7bd9437ea334e0d79977dc9449030be6

Test Node Identity

Os	Linux srv1440888 6.8.0-136-generic #136-Ubuntu SMP PREEMPT_DYNAMIC Wed Jul 1 21:53:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.33
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	21.02	27.46	26.41	29.43	+5.4
Google	IPv4	90.99	120.78	86.39	122.36	-4.6
Google	IPv6	116.59	138.62	23.33	30.23	-93.3
Cloudflare	IPv4	27.07	36.98	21.5	25.41	-5.6
Cloudflare	IPv6	28.2	30.15	28.11	29.97	-0.1

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 30583
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
youtube.com.□□300□IN□A□172.217.27.14
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 36314
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.□□□875□IN□SOA□a.gtld-servers.net. nstld.verisign-grs.com. 1786184374 1800 900 604800 900
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 50874
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
youtube.com.□□300□IN□MX□0 smtp.google.com.
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 26606
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
youtube.com.□□59095□IN□NS□ns3.google.com.
youtube.com.□□59095□IN□NS□ns2.google.com.
youtube.com.□□59095□IN□NS□ns4.google.com.
youtube.com.□□59095□IN□NS□ns1.google.com.
```

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 59373
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
youtube.com.□□3600□IN□TXT□"facebook-domain-verification=64jdes7le4h7e7lfpi22rijygx58j1"
youtube.com.□□3600□IN□TXT□"google-site-verification=QtQWEwHWM8tHiJ4s-jJWzEQrD_fF3luPnpzNDH-Nw-w"
youtube.com.□□3600□IN□TXT□"v=spf1 include:google.com mx -all"
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 61103
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
youtube.com.□□300□IN□AAAA□2404:6800:4001:818::200e
```

RRSIG

```
ns1.google.com. dns-admin.google.com. 960819459 900 900 1800 60
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 40801
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
youtube.com.□□41□IN□SOA□ns1.google.com. dns-admin.google.com. 960819459 900 900 1800 60
```

DNSSEC_VALIDATION

```
; unsigned answer
youtube.com.□□41□IN□SOA□ns1.google.com. dns-admin.google.com. 960819459 900 900 1800 60
```

TLS Handshake Evidence

IPV4 Connection

IP Used	172.217.26.206
IP Version	4

```
depth=2 C = US, O = Google Trust Services LLC, CN = GTS Root R1
verify return:1
depth=1 C = US, O = Google Trust Services, CN = WR2
verify return:1
depth=0 CN = *.google.com
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = *.google.com
   i:C = US, O = Google Trust Services, CN = WR2
   a:PKEY: id-ecPublicKey, 256 (bit); sigalg: RSA-SHA256
   v:NotBefore: Jul 20 18:05:56 2026 GMT; NotAfter: Oct 12 18:05:55 2026 GMT
-----BEGIN CERTIFICATE-----
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1RvipHTjgkDX7Q8J9i2klqLUqYuIsw==
-----END CERTIFICATE-----
 1 s:C = US, O = Google Trust Services, CN = WR2
   i:C = US, O = Google Trust Services LLC, CN = GTS Root R1
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Dec 13 09:00:00 2023 GMT; NotAfter: Feb 20 14:00:00 2029 GMT
-----BEGIN CERTIFICATE-----
MIIFCzCCAvOgAwIBAgIQf/AFoHxM3tEArZ1mpRB7mDANBgkqhkiG9w0BAQsFADBH
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```

```
aeKMTj+xWfpgoh6zySBTGYLKNlNtYE3pAJH8do1cCA8Kwtzxc2vFE24KT3rC8gIc
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rysmcRorSCeFL1JmLO/wiRNxPjA0BggrBgEFBQcBAQQoMCYwJAYIKwYBBQUHMAKG
GGh0dHA6Ly9pLnBraS5nb29nL3IxLmNydDArBgNVHR8EJDAiMCCgHqAchhpodHRw
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hkiG9w0BAQsFAAOCAgEARXWL5R87RBOWGqtY8TXJbz3S0DNKhjO6V1FP7sQ02hYS
TL8Tnw3UVOlIecAwPJQl8hr0ujKUtjNyC4XuCRElNJThb0Lbgpt7fyqaqf9/qdLe
SiDLs/sDA7j4BwXaWZIvGEaYzq9yviQmsR4ATb0IrZNBRAq7x9UBhb+TV+PfdBJT
DhEl05vc3ssnbrPCuTNiOcLgNeFbpwkuGcuRKnZc8d/KI4RApW//mkHgte8y0YWu
ryUJ8GLFbsLIbjL9uNrizkqRSvOFVU6xddZIMy9vhNkSXJ/UcZhjJY1pXAprffJB
vei7j+Qi151lRehMCofa6WBmiA4fx+FOVsV2/7R6V2nyAiIJJkEd2nSi5SnzxJrl
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/oTxUFqOl2stKnn7QGTq8z29W+GgBLCXSBxC9epaHM0myFH/FJlniXJfHeytWt0=
-----END CERTIFICATE-----
 2 s:C = US, O = Google Trust Services LLC, CN = GTS Root R1
   i:C = BE, O = GlobalSign nv-sa, OU = Root CA, CN = GlobalSign Root CA
   a:PKEY: rsaEncryption, 4096 (bit); sigalg: RSA-SHA256
   v:NotBefore: Jun 19 00:00:42 2020 GMT; NotAfter: Jan 28 00:00:42 2028 GMT
-----BEGIN CERTIFICATE-----
MIIFYjCCBEqgAwIBAgIQd70NbNs2+RrqIQ/E8FjTDTANBgkqhkiG9w0BAQsFADBX
MQswCQYDVQQGEwJCRTEZMBcGA1UEChMQR2xvYmFsU2lnbiBudi1zYTEQMA4GA1UE
```

IPV6 Connection

IP Used	2404:6800:4001:804::200e
IP Version	6

```
depth=2 C = US, O = Google Trust Services LLC, CN = GTS Root R1
verify return:1
depth=1 C = US, O = Google Trust Services, CN = WR2
verify return:1
depth=0 CN = *.google.com
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = *.google.com
   i:C = US, O = Google Trust Services, CN = WR2
   a:PKEY: id-ecPublicKey, 256 (bit); sigalg: RSA-SHA256
   v:NotBefore: Jul 20 18:05:56 2026 GMT; NotAfter: Oct 12 18:05:55 2026 GMT
-----BEGIN CERTIFICATE-----
MIIIUjCCBzqgAwIBAgIRAN1e07B+PghEErQcjmGdlaQwDQYJKoZIhvcNAQELBQAw
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DDAKBggrBgEFBQcDATAMBgNVHRMBAf8EAjAAMB0GA1UdDgQWBBSLQBYM4J+Sz1y/
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```

```
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1RvipHTjgkDX7Q8J9i2klqLUqYuIsw==
-----END CERTIFICATE-----
 1 s:C = US, O = Google Trust Services, CN = WR2
   i:C = US, O = Google Trust Services LLC, CN = GTS Root R1
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Dec 13 09:00:00 2023 GMT; NotAfter: Feb 20 14:00:00 2029 GMT
-----BEGIN CERTIFICATE-----
MIIFCzCCAvOgAwIBAgIQf/AFoHxM3tEArZ1mpRB7mDANBgkqhkiG9w0BAQsFADBH
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DhEl05vc3ssnbrPCuTNiOcLgNeFbpwkuGcuRKnZc8d/KI4RApW//mkHgte8y0YWu
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/oTxUFqOl2stKnn7QGTq8z29W+GgBLCXSBxC9epaHM0myFH/FJlniXJfHeytWt0=
-----END CERTIFICATE-----
 2 s:C = US, O = Google Trust Services LLC, CN = GTS Root R1
   i:C = BE, O = GlobalSign nv-sa, OU = Root CA, CN = GlobalSign Root CA
   a:PKEY: rsaEncryption, 4096 (bit); sigalg: RSA-SHA256
   v:NotBefore: Jun 19 00:00:42 2020 GMT; NotAfter: Jan 28 00:00:42 2028 GMT
-----BEGIN CERTIFICATE-----
MIIFYjCCBEqgAwIBAgIQd70NbNs2+RrqIQ/E8FjTDTANBgkqhkiG9w0BAQsFADBX
MQswCQYDVQQGEwJCRTEZMBcGA1UEChMQR2xvYmFsU2lnbiBudi1zYTEQMA4GA1UE
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	142.251.156.4
Connect Time	5.88 ms
TTFB	323.94 ms
Total Time	324.14 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Content-Type: application/binary",
    "2": "X-Content-Type-Options: nosniff",
    "3": "Cache-Control: no-cache, no-store, max-age=0, must-revalidate",
    "4": "Pragma: no-cache",
    "5": "Expires: Mon, 01 Jan 1990 00:00:00 GMT",
    "6": "Date: Sat, 08 Aug 2026 10:20:15 GMT",
    "7": "Location: https://youtube.com/",
    "8": "Content-Length: 0",
    "9": "Server: ESF",
    "10": "X-XSS-Protection: 0",
    "11": "X-Frame-Options: SAMEORIGIN",
    "13": "HTTP/2 301",
    "14": "content-type: application/binary",
    "15": "x-content-type-options: nosniff",
    "16": "expires: Sat, 08 Aug 2026 10:20:15 GMT",
    "17": "date: Sat, 08 Aug 2026 10:20:15 GMT",
    "18": "cache-control: private, max-age=31536000",
    "19": "location: https://www.youtube.com/",
    "20": "content-length: 0",
    "21": "p3p: CP=\"This is not a P3P policy! See g.co/p3phelp for more info.\"",
    "22": "x-frame-options: SAMEORIGIN",
    "23": "strict-transport-security: max-age=31536000; includeSubDomains; preload",
    "24": "report-to: {\"group\":\"youtube_main\",\"max_age\":2592000,\"endpoints\":[{\"url\":\"https://csp.withgoogle.com/csp/report-to/youtube_main\"}]}",
    "25": "cross-origin-opener-policy: same-origin-allow-popups; report-to=\"youtube_main\"",
    "26": "accept-ch: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "27": "vary: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "28": "permissions-policy: ch-ua-arch=*, ch-ua-bitness=*, ch-ua-full-version=*, ch-ua-full-version-list=*, ch-ua-model=*, ch-ua-wow64=*, ch-ua-form-factors=*,
ch-ua-platform=*, ch-ua-platform-version=*",
    "29": "content-security-policy: require-trusted-types-for 'script'",
    "30": "content-security-policy: base-uri 'self';object-src 'none';script-src 'report-sample' 'nonce-Ma0vpJJigP2SlOQYnxMQRA' 'unsafe-inline' 'strict-dynamic'
https: http: 'unsafe-eval';report-uri https://csp.withgoogle.com/csp/youtube_main/strict",
    "31": "origin-trial:
AmhMBR6zCLzDDxpW+HfpP67BqwIknWnyMOXOQGfzYswFmJe+fgaI6XZgAzcxOrzNtP7hEDsOo1jdjFnVr2IdxQ4AAAB4eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJXZWJWaWV3WFJlcXVlc3RlZF
    "32": "origin-trial:
AiDEBptUfVeO93q48VdVMe/ubupazdAl8AaHP+NBzdnW8quUcHdzJUyGSfrmtpKJu7EOvwRp9ug2rEo3XU+WMAMAAAB2eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJEZXZpY2VCb3VuZFNlc3Npb25
    "33": "server: ESF",
    "34": "x-xss-protection: 0",
    "35": "set-cookie: __Secure-YNID=20.YT=gmjhl27l1pLwOhb-egoRdugwu1qcTclg0GzyD3C2qWI-4YgSGdg53tXNqqpR7fXIFGY2SggOX1PH-
M0NdPyLf2Toi9YgWBvz23S5Hry_0jcUVj0KVAaE2VaWKpL5bBrMZ3QroF81YgGiKbRFutpU-yDGoshp0bMQdS31zns_7ZU2wv71Yv5KV8k2VCyPa77h44sHOR_JYhQR73KqoDrJ9ZmyzKz7-WrRe06JwAOdt-
G_hpAEGTpS6SmTg-KDGiAf1WMeeFrDOZyYSkz2aDeN1kOOrEJfhkv-ys0M7eUVmljL2tpVn6BRUXfeXssQGOqw9sGxndyPBkBbXvsAFtNNSA; expires=Thu, 04-Feb-2027 10:20:15 GMT; path=/;
domain=.youtube.com; Secure; HttpOnly; SameSite=none",
    "36": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000",
    "38": "HTTP/2 200",
    "39": "content-type: text/html; charset=utf-8",
    "40": "x-content-type-options: nosniff",
    "41": "cache-control: no-cache, no-store, max-age=0, must-revalidate",
    "42": "pragma: no-cache",
    "43": "expires: Mon, 01 Jan 1990 00:00:00 GMT",
    "44": "date: Sat, 08 Aug 2026 10:20:15 GMT",
    "45": "content-length: 0",
    "46": "p3p: CP=\"This is not a P3P policy! See http://support.google.com/accounts/answer/151657?hl=ms for more info.\"",
    "47": "x-frame-options: SAMEORIGIN",
    "48": "strict-transport-security: max-age=31536000",
    "49": "report-to: {\"group\":\"youtube_main\",\"max_age\":2592000,\"endpoints\":[{\"url\":\"https://csp.withgoogle.com/csp/report-to/youtube_main\"}]}",
    "50": "permissions-policy: ch-ua-arch=*, ch-ua-bitness=*, ch-ua-full-version=*, ch-ua-full-version-list=*, ch-ua-model=*, ch-ua-wow64=*, ch-ua-form-factors=*,
ch-ua-platform=*, ch-ua-platform-version=*",
    "51": "content-security-policy: base-uri 'self';object-src 'none';script-src 'report-sample' 'nonce-OfKHi0DKVImKxl1K8Ujrnw' 'unsafe-inline' 'strict-dynamic'
https: http: 'unsafe-eval';report-uri https://csp.withgoogle.com/csp/youtube_main/strict",
    "52": "content-security-policy: require-trusted-types-for 'script'",
    "53": "origin-trial:
AmhMBR6zCLzDDxpW+HfpP67BqwIknWnyMOXOQGfzYswFmJe+fgaI6XZgAzcxOrzNtP7hEDsOo1jdjFnVr2IdxQ4AAAB4eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJXZWJWaWV3WFJlcXVlc3RlZF
    "54": "origin-trial:
AiDEBptUfVeO93q48VdVMe/ubupazdAl8AaHP+NBzdnW8quUcHdzJUyGSfrmtpKJu7EOvwRp9ug2rEo3XU+WMAMAAAB2eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJEZXZpY2VCb3VuZFNlc3Npb25
```

```
    "55": "cross-origin-opener-policy: same-origin-allow-popups; report-to=\"youtube_main\"",
    "56": "accept-ch: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "57": "vary: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "58": "reporting-endpoints: crash-reporting=\"/web-reports?context=eJwNzX9M1HUcx3G-PDeiO-Due9-77_f7-Xxta3pl5k5PApZFP4bOEcXFcpWGjl-
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zGOuzaBxXOWExNG0xd9Oi_Y7F7hkL7Z7FCpdNhW0jim32rrEZrLbZ0mbTrkymbKoP2Qx12fiO2lw7a9P2o03fzzap3220EZtO5XKmYAWCM1mC43mCR3yC6sWCvnzBfQWC8uWCXuWLYsEzTwtGSwS3Vgv6awTvbRZ8GhOMbRfcflv1dwsOHx
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    "59": "document-policy: include-js-call-stacks-in-crash-reports",
    "60": "server: ESF",
    "61": "x-xss-protection: 0",
    "62": "set-cookie: __Secure-YNID=20.YT=WPlQ6P9KE8KKgzlynsm0KT3uA2ElkIOjr9pK0y2no39-nVDzlzbO2JB9faNMzCrPEHmpkcessIItZVjo_83sGofuqTDu2XQ-
x3VoYivCXBRXmzrTz7XHZmHTdFT64VmBhSyZINQYQCSRUxHSZ0lNeq9BBM4oIuLk12pZLu-u1ffk-OEaO9u4xaBxFs-kC_FrvP-U5froY2DA-rUJDQdNg8eXMJEEYW8fhT0USH3PHGsMdlqywQ9sjNDi-
2t4ajO_rRxqcx5LkTNeIo5TUofupOT8Zk9pIXJ9vwWyZEge89WmDSDCItBrES7EzWbNCq1WaF18Yr9O33iGovyiN7_VuQ; expires=Thu, 04-Feb-2027 10:20:15 GMT; path=/; domain=.youtube.com;
Secure; HttpOnly; SameSite=none",
    "63": "set-cookie: GPS=1; Domain=.youtube.com; Expires=Sat, 08-Aug-2026 10:50:15 GMT; Path=/; Secure; HttpOnly",
    "64": "set-cookie: YSC=z0yBxsQocw0; Domain=.youtube.com; Path=/; Secure; HttpOnly; SameSite=none",
    "65": "set-cookie: __Secure-YEC=; Domain=.youtube.com; Expires=Sun, 12-Nov-2023 10:20:15 GMT; Path=/; Secure; HttpOnly; SameSite=lax",
    "66": "set-cookie: VISITOR_INFO1_LIVE=HccJ69_HKSg; Domain=.youtube.com; Expires=Thu, 04-Feb-2027 10:20:15 GMT; Path=/; Secure; HttpOnly; SameSite=none",
    "67": "set-cookie: VISITOR_PRIVACY_METADATA=CgJNWRIEGgAgZQ%3D%3D; Domain=.youtube.com; Expires=Thu, 04-Feb-2027 10:20:15 GMT; Path=/; Secure; HttpOnly;
SameSite=none",
    "68": "set-cookie: __Secure-ROLLOUT_TOKEN=CO-Zzcec0eyF8wEQ4PLivOeQlgMY4PLivOeQlgM%3D; Domain=youtube.com; Expires=Thu, 04-Feb-2027 10:20:15 GMT; Path=/; Secure;
HttpOnly; SameSite=none; Partitioned",
    "69": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000"
}
```


IPv6 HTTP (port 80)

HTTP Status	200
Connected IP	2001:4860:482c:400::
Connect Time	7.68 ms
TTFB	256.12 ms
Total Time	256.32 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Content-Type: application/binary",
    "2": "X-Content-Type-Options: nosniff",
    "3": "Cache-Control: no-cache, no-store, max-age=0, must-revalidate",
    "4": "Pragma: no-cache",
    "5": "Expires: Mon, 01 Jan 1990 00:00:00 GMT",
    "6": "Date: Sat, 08 Aug 2026 10:20:14 GMT",
    "7": "Location: https://youtube.com/",
    "8": "Content-Length: 0",
    "9": "Server: ESF",
    "10": "X-XSS-Protection: 0",
    "11": "X-Frame-Options: SAMEORIGIN",
    "13": "HTTP/2 301",
    "14": "content-type: application/binary",
    "15": "x-content-type-options: nosniff",
    "16": "expires: Sat, 08 Aug 2026 10:20:14 GMT",
    "17": "date: Sat, 08 Aug 2026 10:20:14 GMT",
    "18": "cache-control: private, max-age=31536000",
    "19": "location: https://www.youtube.com/",
    "20": "content-length: 0",
    "21": "p3p: CP=\"This is not a P3P policy! See g.co/p3phelp for more info.\"",
    "22": "x-frame-options: SAMEORIGIN",
    "23": "strict-transport-security: max-age=31536000; includeSubDomains; preload",
    "24": "report-to: {\"group\":\"youtube_main\",\"max_age\":2592000,\"endpoints\":[{\"url\":\"https://csp.withgoogle.com/csp/report-to/youtube_main\"}]}",
    "25": "cross-origin-opener-policy: same-origin-allow-popups; report-to=\"youtube_main\"",
    "26": "permissions-policy: ch-ua-arch=*, ch-ua-bitness=*, ch-ua-full-version=*, ch-ua-full-version-list=*, ch-ua-model=*, ch-ua-wow64=*, ch-ua-form-factors=*,
ch-ua-platform=*, ch-ua-platform-version=*",
    "27": "origin-trial:
AmhMBR6zCLzDDxpW+HfpP67BqwIknWnyMOXOQGfzYswFmJe+fgaI6XZgAzcxOrzNtP7hEDsOo1jdjFnVr2IdxQ4AAAB4eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJXZWJWaWV3WFJlcXVlc3RlZFo
    "28": "origin-trial:
AiDEBptUfVeO93q48VdVMe/ubupazdAl8AaHP+NBzdnW8quUcHdzJUyGSfrmtpKJu7EOvwRp9ug2rEo3XU+WMAMAAAB2eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJEZXZpY2VCb3VuZFNlc3Npb25
    "29": "content-security-policy: require-trusted-types-for 'script'",
    "30": "content-security-policy: base-uri 'self';object-src 'none';script-src 'report-sample' 'nonce-EieRDb4w_-55dAUvZFGdMw' 'unsafe-inline' 'strict-dynamic'
https: http: 'unsafe-eval';report-uri https://csp.withgoogle.com/csp/youtube_main/strict",
    "31": "accept-ch: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "32": "vary: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "33": "server: ESF",
```

```
    "34": "x-xss-protection: 0",
    "35": "set-cookie: __Secure-YNID=20.YT=K2n0shmhqhDhFbbZLst1uQNZKz-A63sd6f4S2DJaWfaIHiUvWSEllSu2flo1FD46xau941TTmSTPUkBzPv1XAjwisbh4-cQgDbGOW43yGAS-
2LjzGeIFmjlV9TVBpEvzPS21MPZT3PXryB2SAMXQVMd1LepnoVlrFI_nwX8rCYjiY6tpaHpecRfTWQX20DHyCvvUT6ZIWmtGwWM7PWFFOXHo9olZ1klL6FA1FMtFXsDVY-nVuxuDXQkH-q-
_dbusQXpm6jwt85FxZOfzVe44LEQAqloPrqRdlHs0OAHxwfCRSFiGB2r_G6SVa_RRPT9YEdvMku9nra_9Bi_RZpbANQ; expires=Thu, 04-Feb-2027 10:20:14 GMT; path=/; domain=.youtube.com;
Secure; HttpOnly; SameSite=none",
    "36": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000",
    "38": "HTTP/2 200",
    "39": "content-type: text/html; charset=utf-8",
    "40": "x-content-type-options: nosniff",
    "41": "cache-control: no-cache, no-store, max-age=0, must-revalidate",
    "42": "pragma: no-cache",
    "43": "expires: Mon, 01 Jan 1990 00:00:00 GMT",
    "44": "date: Sat, 08 Aug 2026 10:20:14 GMT",
    "45": "content-length: 0",
    "46": "p3p: CP=\"This is not a P3P policy! See http://support.google.com/accounts/answer/151657?hl=ms for more info.\"",
    "47": "x-frame-options: SAMEORIGIN",
    "48": "strict-transport-security: max-age=31536000",
    "49": "content-security-policy: require-trusted-types-for 'script'",
    "50": "content-security-policy: base-uri 'self';object-src 'none';script-src 'report-sample' 'nonce-eLX2X75fbSxcCbgSoNgNCA' 'unsafe-inline' 'strict-dynamic'
https: http: 'unsafe-eval';report-uri https://csp.withgoogle.com/csp/youtube_main/strict",
    "51": "accept-ch: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "52": "vary: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "53": "permissions-policy: ch-ua-arch=*, ch-ua-bitness=*, ch-ua-full-version=*, ch-ua-full-version-list=*, ch-ua-model=*, ch-ua-wow64=*, ch-ua-form-factors=*,
ch-ua-platform=*, ch-ua-platform-version=*",
    "54": "cross-origin-opener-policy: same-origin-allow-popups; report-to=\"youtube_main\"",
    "55": "report-to: {\"group\":\"youtube_main\",\"max_age\":2592000,\"endpoints\":[{\"url\":\"https://csp.withgoogle.com/csp/report-to/youtube_main\"}]}",
    "56": "origin-trial:
AmhMBR6zCLzDDxpW+HfpP67BqwIknWnyMOXOQGfzYswFmJe+fgaI6XZgAzcxOrzNtP7hEDsOo1jdjFnVr2IdxQ4AAAB4eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJXZWJWaWV3WFJlcXVlc3RlZFc
    "57": "origin-trial:
AiDEBptUfVeO93q48VdVMe/ubupazdAl8AaHP+NBzdnW8quUcHdzJUyGSfrmtpKJu7EOvwRp9ug2rEo3XU+WMAMAAAB2eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJEZXZpY2VCb3VuZFNlc3Npb25
    "58": "reporting-endpoints: crash-reporting=\"/web-reports?context=eJwNzH9MVXUYx3EO70bEFe4995x7z_l-j62mWFq7eEVhWfRLDJUGsrmKBQ4vhEbxQ2-XK27OWmbBpiROV-
QP2lxGNm8ty82IcCXR7rAMajF-aDGjTJKNTFGC-v7x2ufZs-f5pFxKej1eraWvrtVK7w1ru_Mi2vVjEe1ER0QbvzuqlcyLatUXG7QjnuLEhokUSu530Z_vYrzQxQulLk6976LjExcjv7tYVj-
HztZUQqOptJ9Oo6gnjRbl6kwa2Q-7iVa6cUXdvNPkZslbbqy4m8ZRN53pHvoOehi-4aE5S-fQUzojZToFm3S2b9d5TVnRrNN1XMeJ6RSf1pl7WWd0Sue_fC8FJV4e6lPpGASyDDY-
ZjC11iClzuC3VwxKDxh8cdIgb8BgdsJg_6TBv9MGW-aYLDVNiiyT8ojJjlaT2Lsm4z0mtb0mNYMml2ZNDif4eNv0sdLvY77t4_F1PjLCPrQDPvJiPs6d8_G57me-4Wd6sZ_QEj_JhX72VvjprfbT_qqf1st-
riVaRFMtziyyiK2xOPGsxc0Gi6tNFmN7LHZ9aZHcZXHhK4uhbouaYZUjFn2TFjN_W7TcsNgzZaHdsshNsVlr24gcm_3FNr0bbLY22exTRpttvIdsNhyx6WtX80mbK2dtmr616f7OpvlnG23Apk2JT9mMJQpyEZxJEnSkCRZ6Bd2ZgtuWCQ
KIgqkzFB8qeCxg71_7XA941gwXnBDwOCtkH1e0Fwxy-CTb8KqpT2MUHNuOD7CXU_qTqmBTJBkqMM3SlhgeTUfZK48sRiySolXwnmSM4XShqflmjPSM6WSX4MSTprJG_USW6FJdn1kqXbJFnK-r2SfYclhW2S5cclmz-
TtPSr7mHJm-OS6b8kY_9Icm9KfpqRfHy7Q3qKQ1Gaw1yPwyrdIV9ZmO6we5HDSwGHndkOoQcdjj7pMLveIf68EnW4ck9CkteVfHHXcH-
S54_ertR5gW1l9ZH68sqMrZXlgY3hutpIoLL2uUBFuCpSVRGqLssMZmYHHwhmZgSzyjYH_wfWow4w\"",
    "59": "document-policy: include-js-call-stacks-in-crash-reports",
    "60": "server: ESF",
    "61": "x-xss-protection: 0",
    "62": "set-cookie: __Secure-YNID=20.YT=YMiJ0U84RS1SMqFhMws44I-D1N5P44wqL4YvIi7RyBfE3NlJ-tTv2aAB9Dvvi4XMNzdN-
ETNrQBCRs6vVVPeJP2t6vU3PSSOkoEeWW0K0KpstDd0m81qd1zI7oDUeRwGZB44Pqe9qqmi4pESyth299FLDs1oe9sIBxzfiWHjWsyqh1RKOuAZ1bIp-6iglWTMhxenZxiXzm4mgnI4dltv7V4E3UOYJdTmWeTP-
Yxybv8SATFNdUglpSlfa3RN25_410jJSjPUnf_A-1h-LA3jDHBdVQkLte-m2SltOaJd0ugo9riyhRrbj03xt3FhuoVR2daNxqtHaZcfASSh5uOvJA; expires=Thu, 04-Feb-2027 10:20:14 GMT; path=/;
domain=.youtube.com; Secure; HttpOnly; SameSite=none",
    "63": "set-cookie: GPS=1; Domain=.youtube.com; Expires=Sat, 08-Aug-2026 10:50:15 GMT; Path=/; Secure; HttpOnly",
    "64": "set-cookie: YSC=855aNRLxj80; Domain=.youtube.com; Path=/; Secure; HttpOnly; SameSite=none",
    "65": "set-cookie: __Secure-YEC=; Domain=.youtube.com; Expires=Sun, 12-Nov-2023 10:20:15 GMT; Path=/; Secure; HttpOnly; SameSite=lax",
    "66": "set-cookie: VISITOR_INFO1_LIVE=NeRQIZUy4tY; Domain=.youtube.com; Expires=Thu, 04-Feb-2027 10:20:15 GMT; Path=/; Secure; HttpOnly; SameSite=none",
    "67": "set-cookie: VISITOR_PRIVACY_METADATA=CgJNWRIEGgAgXQ%3D%3D; Domain=.youtube.com; Expires=Thu, 04-Feb-2027 10:20:15 GMT; Path=/; Secure; HttpOnly;
SameSite=none",
    "68": "set-cookie: __Secure-ROLLOUT_TOKEN=CMDb88KluZqMwwEQhKW3vOeQlgMYhKW3vOeQlgM%3D; Domain=youtube.com; Expires=Thu, 04-Feb-2027 10:20:15 GMT; Path=/; Secure;
HttpOnly; SameSite=none; Partitioned",
    "69": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000"
}
```


IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	142.251.155.4
Connect Time	3.98 ms
TTFB	378.28 ms
Total Time	378.39 ms

Response Headers:


```
{
    "0": "HTTP/2 301",
    "1": "content-type: application/binary",
    "2": "x-content-type-options: nosniff",
    "3": "expires: Sat, 08 Aug 2026 10:20:15 GMT",
    "4": "date: Sat, 08 Aug 2026 10:20:15 GMT",
    "5": "cache-control: private, max-age=31536000",
    "6": "location: https://www.youtube.com/",
    "7": "content-length: 0",
    "8": "p3p: CP=\"This is not a P3P policy! See g.co/p3phelp for more info.\"",
    "9": "x-frame-options: SAMEORIGIN",
```

```
    "10": "strict-transport-security: max-age=31536000; includeSubDomains; preload",
    "11": "permissions-policy: ch-ua-arch=*, ch-ua-bitness=*, ch-ua-full-version=*, ch-ua-full-version-list=*, ch-ua-model=*, ch-ua-wow64=*, ch-ua-form-factors=*,
ch-ua-platform=*, ch-ua-platform-version=*",
    "12": "origin-trial:
AmhMBR6zCLzDDxpW+HfpP67BqwIknWnyMOXOQGfzYswFmJe+fgaI6XZgAzcxOrzNtP7hEDsOo1jdjFnVr2IdxQ4AAAB4eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJXZWJWaWV3WFJlcXVlc3RlZFo
    "13": "origin-trial:
AiDEBptUfVeO93q48VdVMe/ubupazdAl8AaHP+NBzdnW8quUcHdzJUyGSfrmtpKJu7EOvwRp9ug2rEo3XU+WMAMAAAB2eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJEZXZpY2VCb3VuZFNlc3Npb25
    "14": "content-security-policy: require-trusted-types-for 'script'",
    "15": "content-security-policy: base-uri 'self';object-src 'none';script-src 'report-sample' 'nonce-hA9aqvB0Rq9gcY1bqoAimA' 'unsafe-inline' 'strict-dynamic'
https: http: 'unsafe-eval';report-uri https://csp.withgoogle.com/csp/youtube_main/strict",
    "16": "accept-ch: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "17": "vary: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "18": "cross-origin-opener-policy: same-origin-allow-popups; report-to=\"youtube_main\"",
    "19": "report-to: {\"group\":\"youtube_main\",\"max_age\":2592000,\"endpoints\":[{\"url\":\"https://csp.withgoogle.com/csp/report-to/youtube_main\"}]}",
    "20": "server: ESF",
    "21": "x-xss-protection: 0",
    "22": "set-cookie: __Secure-YNID=20.YT=BvAtfYIiGW8WaqIaQRVBY8exvRRv7zK4dyjAYc_MxNUfiOKsr320FIm3-SrpmbMrBPUIf5-
Sw9Hj_0qnTvqVr5Pu8_MjGO50WTcgjtXpvKSnK36ePbg3qmFhec9Tu_3BbMlqK_d5ctMX2Jn1m2zKKzHZIXCw63siv6eUrz3JYvxrUl3j806j4nwiMfVerlv52MyedvXcwj19v-v17Km7PD6Z6sue0-
rl6Z1kBkDLgLBuKQMbjpGD3uwPGRsfzcmmkoUSqPeUqJwfwwd5e6NHMi3PpFeecZNe06qTRPtSt5KUR8q5cYXj1dNdJSCImguK6Qd-IPVXtL8jGI7SfXCotA; expires=Thu, 04-Feb-2027 10:20:15 GMT;
path=/; domain=.youtube.com; Secure; HttpOnly; SameSite=none",
    "23": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000",
    "25": "HTTP/2 200",
    "26": "content-type: text/html; charset=utf-8",
    "27": "x-content-type-options: nosniff",
    "28": "cache-control: no-cache, no-store, max-age=0, must-revalidate",
    "29": "pragma: no-cache",
    "30": "expires: Mon, 01 Jan 1990 00:00:00 GMT",
    "31": "date: Sat, 08 Aug 2026 10:20:15 GMT",
    "32": "content-length: 0",
    "33": "p3p: CP=\"This is not a P3P policy! See http://support.google.com/accounts/answer/151657?hl=ms for more info.\"",
    "34": "x-frame-options: SAMEORIGIN",
    "35": "strict-transport-security: max-age=31536000",
    "36": "content-security-policy: base-uri 'self';object-src 'none';script-src 'report-sample' 'nonce-ICWa3iZHY3DpXxfJNDQTTg' 'unsafe-inline' 'strict-dynamic'
https: http: 'unsafe-eval';report-uri https://csp.withgoogle.com/csp/youtube_main/strict",
    "37": "content-security-policy: require-trusted-types-for 'script'",
    "38": "permissions-policy: ch-ua-arch=*, ch-ua-bitness=*, ch-ua-full-version=*, ch-ua-full-version-list=*, ch-ua-model=*, ch-ua-wow64=*, ch-ua-form-factors=*,
ch-ua-platform=*, ch-ua-platform-version=*",
    "39": "report-to: {\"group\":\"youtube_main\",\"max_age\":2592000,\"endpoints\":[{\"url\":\"https://csp.withgoogle.com/csp/report-to/youtube_main\"}]}",
    "40": "origin-trial:
AmhMBR6zCLzDDxpW+HfpP67BqwIknWnyMOXOQGfzYswFmJe+fgaI6XZgAzcxOrzNtP7hEDsOo1jdjFnVr2IdxQ4AAAB4eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJXZWJWaWV3WFJlcXVlc3RlZFo
    "41": "origin-trial:
AiDEBptUfVeO93q48VdVMe/ubupazdAl8AaHP+NBzdnW8quUcHdzJUyGSfrmtpKJu7EOvwRp9ug2rEo3XU+WMAMAAAB2eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJEZXZpY2VCb3VuZFNlc3Npb25
    "42": "accept-ch: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "43": "vary: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "44": "cross-origin-opener-policy: same-origin-allow-popups; report-to=\"youtube_main\"",
    "45": "reporting-endpoints: crash-reporting=\"/web-reports?context=eJwNzH9M1HUcx3G-PDc67-Luvve9u-
_38_na5vTKrB2e5LFcZCXOEQxic5WFhEBENH7o7e7EzVmrXLLpTZqukSmtTSUz1rJ0SiTzF9WwEOZi_DBjw6ZduqEJaFSfPx577b293i9nb1aosElbvzim7VwT1-
4eimtfdse1kssJLb0gqZUvTGoNv7VoB7zrMltuOSl_3MVQkYt0qYvjh110f-1i_A8X0cSD9LRnUzWRTedJN2V9btqUm3Nu8p72kKz14Ep6-LjVw7KPPJg_eegJeRnc52Vs2ksqqvPJizrjlToldTpbt-q8r6xK6Zw-
omN36bxyUmf-dZ2JGZ3_inyUlPt4alClbRCOGsy8YOBsNph8x2D9XoPvjhmsGTa4fc1gz5TBP_cNykw_1XE_29r9dH3qJ93np6nfT-
OIn_0ZAVYHAyyyAjy3NkBOLIC2N8DFiwFO6UEWGUHuLw1StSyIozTI7pog_Q1BOt8N0n49yJ1Mk2S2Se8Sk67nTY6-ajL9mslsi8nNVpPt35s4TptcOWMyet6kcUzluMnglMncbZO2aZNdMybaPZMCp0WZZVG83ELkW-
xZZ9G_wWJzq0WbMpGy2HDAYrDTwnfM4sY5i9YfLC78bJH61UIbtuhQJjMFBQh6swSn3IJHfYJNCwTncwWO5YLuFYKj-YJnVgpGVgnurBX0VQky3xK8t0lwKCYY3Sa4-
7bg2V3q3ie4cVCQ_EIw1aU2vhGcVXZ0q42zgsAFQWhAcGlY0DGifq8I5l0V1P0uqFc6rwka04Jfbqn-lEBmSPKVMz7J6EMSHpaceEzSr6xeKilUipVIvmSgVLLjJYn2suRcpaSnUfJBs2Q2JslLSJ7YIokqFbslH-
6XlHZIVhyRbPxWMu-SpG1IcnxMkkpL7v0lmfxbUjAruTwn-eoBmzqHTchpU-a2me-1KdRtipTFIZudS2xSK20-K7b5t8LmxzeVpM2fj2Rk-VyOq9vHhrK8Ayc-
r1gY3tKciCeqa3M211aH34g1N8XDtU2vh2ti9fH6mqqGytxIbl7kyUhuTiRauTHyPzYVAxo\"",
    "46": "document-policy: include-js-call-stacks-in-crash-reports",
    "47": "server: ESF",
    "48": "x-xss-protection: 0",
    "49": "set-cookie: __Secure-YNID=20.YT=bEjqnlwDI19cien1P7VmDRl69ikK4eODJP60abgIe6M8queFYKeEQDFO4CiU2_Ua7gnteTTEP8yAF-TxTqPnz2ZWzNKNvLDt-
smTR8GAP1IIpQ6eFWOLp8sWlV2mzwLMAAnp34dyYXcVzNQFJaikaNp0FY5jotHEoFhSc1BVpV0_MFkuTGKuw8aLt48FOt7y6rCMQT2sF6n-
Gq9dJK7qL4xYr3s34qWJCEXKCv8TjZlYmJWbbdRpUcQpX7_euJGd0Kqlnc2H5ZLk7vcPb7rU5R2fKaNtjs4Xzt716uFer8tES8b-_Nu9Gjh7ja4D1v69Vh_5hSoWi6hlXXCdIDoX0w; expires=Thu, 04-Feb-2027
10:20:15 GMT; path=/; domain=.youtube.com; Secure; HttpOnly; SameSite=none",
    "50": "set-cookie: GPS=1; Domain=.youtube.com; Expires=Sat, 08-Aug-2026 10:50:16 GMT; Path=/; Secure; HttpOnly",
    "51": "set-cookie: YSC=uaGQqqDpUPM; Domain=.youtube.com; Path=/; Secure; HttpOnly; SameSite=none",
    "52": "set-cookie: __Secure-YEC=; Domain=.youtube.com; Expires=Sun, 12-Nov-2023 10:20:16 GMT; Path=/; Secure; HttpOnly; SameSite=lax",
    "53": "set-cookie: VISITOR_INFO1_LIVE=Ma14Y5zxQpg; Domain=.youtube.com; Expires=Thu, 04-Feb-2027 10:20:16 GMT; Path=/; Secure; HttpOnly; SameSite=none",
    "54": "set-cookie: VISITOR_PRIVACY_METADATA=CgJNWRIEGgAgUA%3D%3D; Domain=.youtube.com; Expires=Thu, 04-Feb-2027 10:20:16 GMT; Path=/; Secure; HttpOnly;
SameSite=none",
    "55": "set-cookie: __Secure-ROLLOUT_TOKEN=CMeti_uSqNf6GRC1wvW855CWAxi1wvW855CWAw%3D%3D; Domain=youtube.com; Expires=Thu, 04-Feb-2027 10:20:16 GMT; Path=/;
Secure; HttpOnly; SameSite=none; Partitioned",
    "56": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000"
}
```


IPv6 HTTPS (port 443)

HTTP Status	200
Connected IP	2001:4860:482a:400::
Connect Time	4.9 ms
TTFB	459.65 ms

Total Time	459.77 ms

Response Headers:


```
{
    "0": "HTTP/2 301",
    "1": "content-type: application/binary",
    "2": "x-content-type-options: nosniff",
    "3": "expires: Sat, 08 Aug 2026 10:20:15 GMT",
    "4": "date: Sat, 08 Aug 2026 10:20:15 GMT",
    "5": "cache-control: private, max-age=31536000",
    "6": "location: https://www.youtube.com/",
    "7": "content-length: 0",
    "8": "p3p: CP=\"This is not a P3P policy! See g.co/p3phelp for more info.\"",
    "9": "strict-transport-security: max-age=31536000; includeSubDomains; preload",
    "10": "x-frame-options: SAMEORIGIN",
    "11": "report-to: {\"group\":\"youtube_main\",\"max_age\":2592000,\"endpoints\":[{\"url\":\"https://csp.withgoogle.com/csp/report-to/youtube_main\"}]}",
    "12": "accept-ch: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "13": "vary: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "14": "permissions-policy: ch-ua-arch=*, ch-ua-bitness=*, ch-ua-full-version=*, ch-ua-full-version-list=*, ch-ua-model=*, ch-ua-wow64=*, ch-ua-form-factors=*,
ch-ua-platform=*, ch-ua-platform-version=*",
    "15": "origin-trial:
AmhMBR6zCLzDDxpW+HfpP67BqwIknWnyMOXOQGfzYswFmJe+fgaI6XZgAzcxOrzNtP7hEDsOo1jdjFnVr2IdxQ4AAAB4eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJXZWJWaWV3WFJlcXVlc3RlZFc
    "16": "origin-trial:
AiDEBptUfVeO93q48VdVMe/ubupazdAl8AaHP+NBzdnW8quUcHdzJUyGSfrmtpKJu7EOvwRp9ug2rEo3XU+WMAMAAAB2eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJEZXZpY2VCb3VuZFNlc3Npb25
    "17": "content-security-policy: base-uri 'self';object-src 'none';script-src 'report-sample' 'nonce-SwY0Cxz3D3f7G_Im1n3-dg' 'unsafe-inline' 'strict-dynamic'
https: http: 'unsafe-eval';report-uri https://csp.withgoogle.com/csp/youtube_main/strict",
    "18": "content-security-policy: require-trusted-types-for 'script'",
    "19": "cross-origin-opener-policy: same-origin-allow-popups; report-to=\"youtube_main\"",
    "20": "server: ESF",
    "21": "x-xss-protection: 0",
    "22": "set-cookie: __Secure-YNID=20.YT=R1WIIfC-pMW6R9wr0W0dmdLSUOh8dWC-L-4GPxMvUDO3ZrjGWGAmrKHXqOER7XbnXaI6unV25kuQrmPxBDFJV25tcb6Di7-twV-
sw0RnNsrD4G71wX3JRL4z8Q2gPMuAHa2jGfn4_Xp-cH6jQ23QVauh3ZBAaBlO1OD95RZ0updF_ZDQVITBYoji4eS6qbxllf8F-r5uGtyl6Qg35FJzClxljrzrcXx7sGY-4txIxMoMzBL4kCXs-
78KdLbu2EWlfhPNSeKYrbRHCh_sn-6jGn_qTLJBMcH-PBipzH5ArSLjoz69uWzLCRiY3oGOdMRyb8BvrHczJHHc2PDOu7iGCg; expires=Thu, 04-Feb-2027 10:20:15 GMT; path=/;
domain=.youtube.com; Secure; HttpOnly; SameSite=none",
    "23": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000",
    "25": "HTTP/2 200",
    "26": "content-type: text/html; charset=utf-8",
    "27": "x-content-type-options: nosniff",
    "28": "cache-control: no-cache, no-store, max-age=0, must-revalidate",
    "29": "pragma: no-cache",
    "30": "expires: Mon, 01 Jan 1990 00:00:00 GMT",
    "31": "date: Sat, 08 Aug 2026 10:20:15 GMT",
    "32": "content-length: 0",
    "33": "p3p: CP=\"This is not a P3P policy! See http://support.google.com/accounts/answer/151657?hl=ms for more info.\"",
    "34": "strict-transport-security: max-age=31536000",
    "35": "x-frame-options: SAMEORIGIN",
    "36": "origin-trial:
AmhMBR6zCLzDDxpW+HfpP67BqwIknWnyMOXOQGfzYswFmJe+fgaI6XZgAzcxOrzNtP7hEDsOo1jdjFnVr2IdxQ4AAAB4eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJXZWJWaWV3WFJlcXVlc3RlZFc
    "37": "origin-trial:
AiDEBptUfVeO93q48VdVMe/ubupazdAl8AaHP+NBzdnW8quUcHdzJUyGSfrmtpKJu7EOvwRp9ug2rEo3XU+WMAMAAAB2eyJvcmlnaW4iOiJodHRwczovL3lvdXR1YmUuY29tOjQ0MyIsImZlYXR1cmUiOiJEZXZpY2VCb3VuZFNlc3Npb25
    "38": "permissions-policy: ch-ua-arch=*, ch-ua-bitness=*, ch-ua-full-version=*, ch-ua-full-version-list=*, ch-ua-model=*, ch-ua-wow64=*, ch-ua-form-factors=*,
ch-ua-platform=*, ch-ua-platform-version=*",
    "39": "cross-origin-opener-policy: same-origin-allow-popups; report-to=\"youtube_main\"",
    "40": "content-security-policy: base-uri 'self';object-src 'none';script-src 'report-sample' 'nonce-Q-rsP7nFM2eztU9eK-BsHA' 'unsafe-inline' 'strict-dynamic'
https: http: 'unsafe-eval';report-uri https://csp.withgoogle.com/csp/youtube_main/strict",
    "41": "content-security-policy: require-trusted-types-for 'script'",
    "42": "accept-ch: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "43": "vary: Sec-CH-Viewport-Width, Sec-CH-DPR, Device-Memory",
    "44": "report-to: {\"group\":\"youtube_main\",\"max_age\":2592000,\"endpoints\":[{\"url\":\"https://csp.withgoogle.com/csp/report-to/youtube_main\"}]}",
    "45": "reporting-endpoints: crash-reporting=\"/web-
reports?context=eJwNzH9MVXUcxnEO743RvcC9h3PuPef7PbaV3gprVy8ELBeVidPCgS6XsdAhEBmTX93de8XNLCuXbMSE6RyZ0nQas6QtSycMdQVRDstgLsYPJZaUg3QhKWhU3z9eez5_PM_HNZMQyN-
qBV6o1mpdNdrGx8Jaw6qIdud4RDvZGdHyr0S1qYdiWtHCmFZ5rU477C2Mr7vlougJNwN5bqYK3Jz-1E3nl25Gf3eTGU2iqyWZkvFk2s6msK43hSbl5nwK2c94iJV7cMc8fFTvIf2AB-
uih66Al_6DXkbuemnM0vn4ZZ3RYp38LTo7dui8r6xo1Dl_Qsdp1yk8q7Pghs74rM5_eankF6WS06_SMQhmGZQvN5hda-CqMbj-jsHG_QZdpwxWDap7zOD2hMG-aYN_7hvUJplkmibrLJPSiMnOFpP2T0ymek2q-
0yqhkx--9fkUJyPlX4fi2wfz6_3UVDnQ9vv49IlHx26n0WGn_tL_ZSk-0ks8LO3zE9fpZ-2d_203PAzE28RS7a4sNii_UWLk69azNVZ3Ky3SG-y2H3OIvG8xdVvLIZ7LCpHVI5a9E9bzN-
2aL5r8eGshXbPItdls9a2ETk2-wpt-jbbbKu3aVbGG202H7bpb7NJPWWzodNmstum_nubnh9tGn-
x0QZtWpUv_rK5Hi_IRXAhQdCRIkhLFfRkCBIzBQXLBJ1Ky9OCz3MEzz0rGFohmFkv6C0RvPem4GhYMLxTcOdtwfGDgsljgsrPBFFlul39-
Uqwp1NtvxWY3wkClwU_Dwpah9TuquCBMcGWXwUVStuEoGpK8NMt1Z8WyDhJjjL8oIRHJGcel_QpK5dKVit5SihHcrlAsmeDJO4VSXexZKBEcq5K8kGN5F5Ykh2VPLldkqW81SDZtFfSfEiS3yoZOyJZdkJS-
7Vk7oykaUByekTSOKW2f0om_pbkzkmuzEsCLoeXUhwWeB1W6w5rlF0PO3gDDmnKH2kODYsdtgYdApkOxnKHo2sc5jc5XHzDoSPs8EPMYfLRuITUpMRru0cGErxtu7ontYXB7TXRSLS0fMm28tLg6-
Ga6kiwvPq1YFm4IlJRVlJZnBHKyA49FcpYEsoqrg39D-rPEiQ\"",
    "46": "document-policy: include-js-call-stacks-in-crash-reports",
    "47": "server: ESF",
    "48": "x-xss-protection: 0",
    "49": "set-cookie: __Secure-YNID=20.YT=B1srZR-o-
RLZ9g8sGe8u4MJFB51svO8GwrpbC7SWvw_59Uf90f7eJOP42jNugJAYCaEdbvdPmtTu5zQR66ZPkDZsZHihx7m6fi3KbEXULWDm3jnuGvaVpkzmFjMeIb67KWbXR56_tXbHe8yhgf-
Z3hgf3SUGpkFAKe69XdvKUh9MWMKWF4B73LUAWfJzhhL1OV80c0X0sHeNdexLXnqFA-zW5kuLxmMvvXBYphVeo9_CbvszkyHV4iHfX2hD8iUGsfBpHt3y-
iIzfrIxt0TYvcnFqRhDCvjcpjoNAF0qsY_O8xhog11NfAsI8RINqM-5XpDlhJL_IHrtu6FIOr78jA; expires=Thu, 04-Feb-2027 10:20:15 GMT; path=/; domain=.youtube.com; Secure; HttpOnly;
SameSite=none",
    "50": "set-cookie: GPS=1; Domain=.youtube.com; Expires=Sat, 08-Aug-2026 10:50:15 GMT; Path=/; Secure; HttpOnly",
    "51": "set-cookie: YSC=vJpDZRpB7Mc; Domain=.youtube.com; Path=/; Secure; HttpOnly; SameSite=none",
    "52": "set-cookie: __Secure-YEC=; Domain=.youtube.com; Expires=Sun, 12-Nov-2023 10:20:15 GMT; Path=/; Secure; HttpOnly; SameSite=lax",
```

```
    "53": "set-cookie: VISITOR_INFO1_LIVE=kL3_wto-vXA; Domain=.youtube.com; Expires=Thu, 04-Feb-2027 10:20:15 GMT; Path=/; Secure; HttpOnly; SameSite=none",
    "54": "set-cookie: VISITOR_PRIVACY_METADATA=CgJNWRIEGgAgEg%3D%3D; Domain=.youtube.com; Expires=Thu, 04-Feb-2027 10:20:15 GMT; Path=/; Secure; HttpOnly;
SameSite=none",
    "55": "set-cookie: __Secure-ROLLOUT_TOKEN=CKLz-PKCtpDEqgEQupjGvOeQlgMYupjGvOeQlgM%3D; Domain=youtube.com; Expires=Thu, 04-Feb-2027 10:20:15 GMT; Path=/; Secure;
HttpOnly; SameSite=none; Partitioned",
    "56": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000"
}
```


Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.001472 0.031020
TCP Connect IPv6 → port 80	301 0.000878 0.016193
TCP Connect IPv4 → port 443	301 0.001418 0.039155
TCP Connect IPv6 → port 443	301 0.001336 0.052156

Test Node Network Evidence

Node Profile	dual stack

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
fd7a:115c:a1e0::1136:5807 dev tailscale0 proto kernel metric 256 pref medium
fe80::/64 dev eth0 proto kernel metric 256 pref medium
fe80::/64 dev tailscale0 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
```