

IPv6 Readiness Report

tiktok.com — tiktok.com

Category: Social Media • Generated: 20 Apr 2026, 21:09 MYT • Last Checked: 07 Mar 2026, 01:15 MYT • Verification ID: 9e216136-92a0-40da-829f-7d0a5ccac6fe

Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>Audit trail: <https://ipv6.my6.my/audit/9e216136-92a0-40da-829f-7d0a5ccac6fe>**Non-Compliant**

MGv6C-1.0

43%**Partial Support****IPV6-ONLY READINESS**Website: **X Not Ready**DNS: **✓ Ready**Email: **X Not Ready****IPv4 ADDRESSES**

23.45.176.215
23.45.176.223
23.45.176.239
23.45.176.219
23.45.176.208
23.45.176.212
23.45.176.240
23.45.176.243

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Akamai Technologies, Inc.
Country	US
ASN	AS20940
ASN Name	AKAMAI-ASN1, NL
Network (CIDR)	23.32.0.0/11

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%)**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.

#	CHECK	RESULT	DETAIL
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%) 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: google._domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	23.45.176.215, 23.45.176.223, 23.45.176.239, 23.45.176.219, 23.45.176.208, 23.45.176.212, 23.45.176.240, 23.45.176.243
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 62ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 45ms TTFB.

Audit Trail & Evidence Record

Verification ID	9e216136-92a0-40da-829f-7d0a5ccac6fe
Domain	tiktok.com
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:15:14 MYT
Finished	07 Mar 2026, 01:15:16 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/9e216136-92a0-40da-829f-7d0a5ccac6fe

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	412749ff5bcf65926edf55fbd08805ead7fb64b1a07cd4a9fc161be52dfd2ffd
http_headers	48c988f351ae8e7cb1d6e110751fdf94085f27c5ff63c6b8293bcac8e276464d
dns_responses	3401560f67d17b9fa105285f8e96b639c73bbb5e2c96abf0b30d3471609c157e
tls_handshake	4ee91f381c8311b2a30dc73be7c996254abcc9949a2d33e823271001d102d8a7
connectivity_log	ac1449306a683a14f8ee251bb84d9da287ec6f21a555a40093a2f89ee0946927
dns_resolution_times	593651db3e356f18e56b624600a8c02b7e2ffe61d44c706d7b2eab8cb12b0c38

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	18.21	20.2	7.03	17.58	-11.2
Google	IPv4	18.36	20.01	18.04	23.39	-0.3
Google	IPv6	22.48	27.67	14.69	17.91	-7.8
Cloudflare	IPv4	12.12	20.83	8.99	17.19	-3.1
Cloudflare	IPv6	16.71	28.04	17.76	25.57	+1.1

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 46076
;; flags: qr rd ra; QUERY: 1, ANSWER: 8, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
tiktok.com. 00200IN A 23.45.176.241
tiktok.com. 00200IN A 23.45.176.194
tiktok.com. 00200IN A 23.45.176.238
tiktok.com. 00200IN A 23.45.176.217
tiktok.com. 00200IN A 23.45.176.229
tiktok.com. 00200IN A 23.45.176.214
tiktok.com. 00200IN A 23.45.176.230
tiktok.com. 00200IN A 23.45.176.198
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 12387
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com. 000827IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1772788426 1800 900 604800 900
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 23099
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
tiktok.com. 003002IN MX 20 mx2.tiktok.com.
tiktok.com. 003002IN MX 30 mx3.tiktok.com.
tiktok.com. 003002IN MX 10 mx1.tiktok.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 19634
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
tiktok.com. 008759IN NS a6-65.akam.net.
tiktok.com. 008759IN NS a12-66.akam.net.
tiktok.com. 008759IN NS a1-97.akam.net.
tiktok.com. 008759IN NS a13-67.akam.net.
tiktok.com. 008759IN NS a18-64.akam.net.
tiktok.com. 008759IN NS a9-66.akam.net.
```

TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 31261
;; flags: qr rd ra; QUERY: 1, ANSWER: 23, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
tiktok.com. 00300IN TXT "google-site-verification=spKY3sgLfx2ShLMQbs-jaGpfyhuK0MBQ9fV_cR8yKII"
tiktok.com. 00300IN TXT "MS=ms80039204"
tiktok.com. 00300IN TXT "pinterest-site-verification=7d9fc044e28c4992dffda772e8ca2bdc"
tiktok.com. 00300IN TXT "facebook-domain-verification=wo9L655kzm8rfqm1st3qe7gduoqav"
tiktok.com. 00300IN TXT "verification-code-site-edm-va=GkLVdrouyEyNQGsN0X0W"
tiktok.com. 00300IN TXT "google-site-verification=ot5hoJ0_9g-F06j5YX6aoLZpNm7N0y988ua0zsCDr88"
tiktok.com. 00300IN TXT "google-site-verification=9aM0Y6RF3QT8X2ACpo04BZ4CSdjPwXRJgncABZtHRyY"
tiktok.com. 00300IN TXT "google-site-verification=6qNNoqXIzco_0bM80E5IZfz2kLnLkLk-HudVI"
```

```
tiktok.com.0003000IN0TXT0"google-site-verification=UlwFhsh7mBJzb0eTyZBibPg6HQ6doH08-_tkmjBo4E"  
tiktok.com.0003000IN0TXT0"v=spf1 include:_spf.google.com include:mail.zendes.com include:spf.bytedance.com include:mail.stibee.com -all"  
tiktok.com.0003000IN0TXT0"google-site-verification=2ZTMDLDhN4fD3hIKVj_1LnDKhTvf4NVhT23o-edCEVw"  
tiktok.com.0003000IN0TXT0"facebook-domain-verification=iec6txjw8r35xhq5swdem8tpa5mzw"  
tiktok.com.0003000IN0TXT0"google-site-verification=-pib5b_VhK-cZP1CQSaH7s43WbBkpzjhUwAgyc3YDH4"  
tiktok.com.0003000IN0TXT0"google-site-verification=heUwjUSZGdrUk6gp54Bxe8zNMMepAudi3eECZ7zzNuQ"  
tiktok.com.0003000IN0TXT0"google-site-verification=StaGWBpu1eRwm0dUSA-240mzeXAqkQitecePeqLQ0fc"  
tiktok.com.0003000IN0TXT0"klaviyo-site-verification=STK9xy"  
tiktok.com.0003000IN0TXT0"_hvpbov9c2s6s8d9hj5w2njkbj35op"  
tiktok.com.0003000IN0TXT0"MS=ms14857357"  
tiktok.com.0003000IN0TXT0"apple-domain-verification=hXgMRIDdysM4HJYw"  
tiktok.com.0003000IN0TXT0"mailru-verification: c0f4705a229bd0c6"  
tiktok.com.0003000IN0TXT0"_globalsign-domain-verification=FUJcu1hWja0wxLuxlVKRWITCKMVR1CzjjxYcugM_gM"  
tiktok.com.0003000IN0TXT0"hubspot-developer-verification=YzdjZdc2ZDEtMDRmNS00MwQyLWJlNzUtY2Q4YmQyN2E0NDFl"  
tiktok.com.0003000IN0TXT0"_f3zsp3jcr9843f36xnpbfib409nlhjt"
```

AAAA

```
;; Got answer:  
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14147  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 512  
;; AUTHORITY SECTION:  
tiktok.com.0005390IN0S0A0a9-66.akam.net. hostmaster.akamai.com. 1554957829 43200 7200 604800 7200
```

RRSIG

```
a9-66.akam.net. hostmaster.akamai.com. 1554957829 43200 7200 604800 7200
```

DNSKEY

```
;; Got answer:  
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 47894  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 512  
;; AUTHORITY SECTION:  
tiktok.com.00017990IN0S0A0a9-66.akam.net. hostmaster.akamai.com. 1554957829 43200 7200 604800 7200
```

DNSSEC_VALIDATION

```
; unsigned answer  
tiktok.com.000163090IN0S0A0a9-66.akam.net. hostmaster.akamai.com. 1554957829 43200 7200 604800 7200
```


TLS Handshake Evidence

IPV4 Connection

IP Used	23.45.176.215
IP Version	4

```

depth=2 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G3
verify return:1
depth=1 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = RapidSSL TLS ECC CA G1
verify return:1
depth=0 CN = *.tiktok.com
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = *.tiktok.com
  i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = RapidSSL TLS ECC CA G1
  a:PKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA256
  v:NotBefore: Jun 16 00:00:00 2025 GMT; NotAfter: Jun 15 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIEEmDCBD2gAwIBAgIQAn8fixaVY26ch63y9/56MzAKBggqhkJOPQDAjBgMQsw
CQYDVQQGEwJVUzEVMBMGA1UEChMMRGRlbnNpdS5jMRkwFwYDVQLEExB3d3cu
ZGlnaWNLcnQuY29tMR8wHQYDVQDEExZSYXBpZFNNTCBUTFMgRUNDIENBIEcxMB4X
DTIIMDYxNjAwMDAwMFOxDTIIMDYxNTIzNTk1OVowFzEVMBMGA1UEAwMK150aWt0
b2suY29tMFkwEwYHKoZIzj0CAQYIKoZIzj0DAQoDQGEvXzdGF0eXMuY29tMj0w
Qe8/jydx/IjCI200hNwaeS4D3K+4LXaiPveeBh+vUbYvqis9LrdnhK4jm+SbAa5
ja0CayAwgMcMB8GA1UdIwQYMBaAFEHFTFBhk8f8tavNfJICnQ98nAqQMB0GA1Ud
DgQWBBS+9mVPBuUoGtTXIViaska84dHIzAjBgNVHREHDAggwqLnRpa3Rvay5j
b2Z2CnRpa3Rvay5jb29wPgYDVR0GBDcwNTAzBgZngOwBAgEwKTAAnBggrBgEFBQcC
ARYbaHR0cDovL3d3dy5kaWdpY2VydC5jb20vQ1BTMA4GA1UdDwEB/wQEAwIDIDAd
BgNVHSUEFjAUBgggrBgEFBQcDAQYIKwYBBQUHAWIwPwYDVR0FBDgwNjA0oDKGMIYU
aHR0cDovL2NkcC5yYXBpZHNzbC5jb20vUmFwaWRTU0xUTFNFO0NDQUcxLmNybDB2
Bgr/BgEFBQcBAQRqMGgwJgYIKwYBBQUHMAGGGMh0dHA6Ly9zdGF0eXMuY29tMj0w
c2wuY29tMD4GCCSQAQUBzACHjJodHRwOi8vY2FjZXJ0cy5yYXBpZHNzbC5jb20v
UmFwaWRTU0xUTFNFO0NDQUcxLmNybDAMBGNVHRMBAf8EAJAAMIIBfQYKkwyBBaHW
eIEAgSCAW0EggFpAwcAdgA0V5S8866pPjMblJkHs/eQ35vCPXEyJd0hg5wYCV0
IQAAAZd3j3hXAAAEAwBHMEUCIA0pvdmeUBeMLFB151i855GHA4bz5sE3FYMh5XAm
AszQAIeAwFzVwT7B7b12whvL7niJIMXxRL0asD1yGg02GRUdIAdQBKEcRspBLS
p4kcoGIuAlYrTygH1B41J6vq/tUDyX3N8AAAAZd3j3f4AAAEAwBGMEQCIAXAgnF
WGG/xLhkklLaM5pq4G8Z2Kzpi2R+C37Zj4jCA1BzLJKpA0TFwi61I0eNpfC60Eed
niM06jRHVXlGwY8R5QB2AEmcm2neHXzs/DbezYdkprhrwqHgBnRVVL76esp3fjD
AAABl3ePea4AAAQDAEcwRQIGAxkIbwUs0c+zhjyCDS2xiLn/5D/VtXxp2cLCKU1
JJEICQICEi45bJ0EKheJq9yVgJQWENFgV13LCW3+nZ1CZvgjEAKBggqhkJOPQD
AgNjADBGAIEAqhMnF2oaesJGsZg1/1Ta+Da+Uo9z9i2R40sJZbPyJNECIQDHFqxD
NCXNRTBYZadL412Hyry/Yr420IzezEuYxM3wQ==
-----END CERTIFICATE-----
 1 s:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = RapidSSL TLS ECC CA G1
  i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G3
  a:PKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA256
  v:NotBefore: Nov 2 12:59:58 2017 GMT; NotAfter: Nov 2 12:59:58 2027 GMT
-----BEGIN CERTIFICATE-----
MIIDSDCCAs2gAwIBAgIQDe14lLNjs2jUH37j4e7R6zAKBggqhkJOPQDAjBhMQsw
CQYDVQQGEwJVUzEVMBMGA1UEChMMRGRlbnNpdS5jMRkwFwYDVQLEExB3d3cu
ZGlnaWNLcnQuY29tMSAwHQYDVQDEExdEaWdpQ2VydCBHbG9iYmUwUm9vdCBHMzAe
Fw0xNzExMDIwMjU1U0N0aWY0Y29tMR8wHQYDVQDEExZSYXBpZFNNTCBUTFMgRUNDIENB
IEcxMB4XDTIIMDYxNjAwMDAwMFOxDTIIMDYxNTIzNTk1OVowFzEVMBMGA1UEAwMK150aWt0
b2suY29tMFkwEwYHKoZIzj0CAQYIKoZIzj0DAQoDQGEvXzdGF0eXMuY29tMj0w
Qe8/jydx/IjCI200hNwaeS4D3K+4LXaiPveeBh+vUbYvqis9LrdnhK4jm+SbAa5
ja0CayAwgMcMB8GA1UdIwQYMBaAFEHFTFBhk8f8tavNfJICnQ98nAqQMB0GA1Ud
DgQWBBS+9mVPBuUoGtTXIViaska84dHIzAjBgNVHREHDAggwqLnRpa3Rvay5j
b2Z2CnRpa3Rvay5jb29wPgYDVR0GBDcwNTAzBgZngOwBAgEwKTAAnBggrBgEFBQcC
ARYbaHR0cDovL3d3dy5kaWdpY2VydC5jb20vQ1BTMA4GA1UdDwEB/wQEAwIDIDAd
BgNVHSUEFjAUBgggrBgEFBQcDAQYIKwYBBQUHAWIwPwYDVR0FBDgwNjA0oDKGMIYU
aHR0cDovL2NkcC5yYXBpZHNzbC5jb20vUmFwaWRTU0xUTFNFO0NDQUcxLmNybDB2
Bgr/BgEFBQcBAQRqMGgwJgYIKwYBBQUHMAGGGMh0dHA6Ly9zdGF0eXMuY29tMj0w
c2wuY29tMD4GCCSQAQUBzACHjJodHRwOi8vY2FjZXJ0cy5yYXBpZHNzbC5jb20v
UmFwaWRTU0xUTFNFO0NDQUcxLmNybDAMBGNVHRMBAf8EAJAAMIIBfQYKkwyBBaHW
eIEAgSCAW0EggFpAwcAdgA0V5S8866pPjMblJkHs/eQ35vCPXEyJd0hg5wYCV0
IQAAAZd3j3hXAAAEAwBHMEUCIA0pvdmeUBeMLFB151i855GHA4bz5sE3FYMh5XAm
AszQAIeAwFzVwT7B7b12whvL7niJIMXxRL0asD1yGg02GRUdIAdQBKEcRspBLS
p4kcoGIuAlYrTygH1B41J6vq/tUDyX3N8AAAAZd3j3f4AAAEAwBGMEQCIAXAgnF
WGG/xLhkklLaM5pq4G8Z2Kzpi2R+C37Zj4jCA1BzLJKpA0TFwi61I0eNpfC60Eed
niM06jRHVXlGwY8R5QB2AEmcm2neHXzs/DbezYdkprhrwqHgBnRVVL76esp3fjD
AAABl3ePea4AAAQDAEcwRQIGAxkIbwUs0c+zhjyCDS2xiLn/5D/VtXxp2cLCKU1
JJEICQICEi45bJ0EKheJq9yVgJQWENFgV13LCW3+nZ1CZvgjEAKBggqhkJOPQD
AgNjADBGAIEAqhMnF2oaesJGsZg1/1Ta+Da+Uo9z9i2R40sJZbPyJNECIQDHFqxD
NCXNRTBYZadL412Hyry/Yr420IzezEuYxM3wQ==
-----END CERTIFICATE-----
---
Server certificate
subject=CN = *.tiktok.com
issuer=C = US, O = DigiCert Inc, OU = www.digicert.com, CN = RapidSSL TLS ECC CA G1
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: ECDSA
Server Temp Key: X25519, 253 bits

```

```
---  
SSL handshake has read 2414 bytes and written 392 bytes  
Verification: OK  
---  
New, TLSv1.3, Cipher is TLS_AES_256_GCM_SHA384  
Server public key is 256 bit  
Secure Renegotiation IS NOT supported  
Compression: NONE  
Expansion: NONE  
No ALPN negotiated  
Early data was not sent  
Verify return code: 0 (ok)  
---  
DONE
```



```

"40": "expires: Fri, 06 Mar 2026 09:15:16 GMT",
"41": "cache-control: max-age=0, no-cache, no-store",
"42": "pragma: no-cache",
"43": "date: Fri, 06 Mar 2026 09:15:16 GMT",
"44": "x-cache: TCP_MISS from a23-62-97-105.deploy.akamaitechnologies.com (AkamaiHost/22.4.3-ed4bb39d9a154b0db9134aee8c972b76) (-)",
"45": "x-tt-trace-tag: id=16;cdn-cache=miss;type=dyn",
"46": "server-timing: cdn-cache; desc=MISS, edge; dur=1, origin; dur=9",
"47": "x-origin-response-time: 10,23.62.97.105",
"48": "x-akamai-request-id: 414873f8"
}
    
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	23.197.202.228
Connect Time	4.34 ms
TTFB	57.41 ms
Total Time	57.47 ms

Response Headers:

```

{
  "0": "HTTP/2 301",
  "1": "server: AkamaiGHost",
  "2": "content-length: 0",
  "3": "location: https://www.tiktok.com/",
  "4": "expires: Fri, 06 Mar 2026 09:15:16 GMT",
  "5": "cache-control: max-age=0, no-cache, no-store",
  "6": "pragma: no-cache",
  "7": "date: Fri, 06 Mar 2026 09:15:16 GMT",
  "8": "x-cache: TCP_MISS from a23-211-252-136.deploy.akamaitechnologies.com (AkamaiHost/22.4.3-90cfec5b1d9fb5e086ffb86de3f67006) (-)",
  "9": "x-tt-trace-tag: id=16;cdn-cache=miss;type=dyn",
  "10": "server-timing: cdn-cache; desc=MISS, edge; dur=0, origin; dur=0",
  "11": "x-akamai-request-id: 69281be",
  "13": "HTTP/2 200",
  "14": "content-type: text/html",
  "15": "x-tt-system-error: 3",
  "16": "proxy-status: 00002012000062000",
  "17": "strict-transport-security: max-age=31536000; includeSubDomains",
  "18": "access-control-expose-headers: x-tt-traceflag,x-tt-logid",
  "19": "x-tt-trace-host:
01fb2e49ecc3235becc8b1489d3ec2a8d9fc3cee3af9751994f5a5ea6082754985f8f70139cdddf4eb4b25b6691b09cbdd0063374d34efbfeaa19a8db4771efee4c94ed5c9e3270f66fffd823192e6090c43",
  "20": "x-tt-trace-id: 00-260306171516DA578210F6EFA6D6179B-01A879519E59C91E-00",
  "21": "reporting-endpoints: csp-
endpoint=https://mon.tiktokv.com/monitor_browser/collect/batch/security/?bid=tiktok_pns&ev_type=csp&p=7bMffKqyqUbn8PMzRuxmsz&v=3&s=296&b=oab",
  "22": "content-security-policy: report-uri
https://mon.tiktokv.com/monitor_browser/collect/batch/security/?bid=tiktok_pns&ev_type=csp&p=7bMffKqyqUbn8PMzRuxmsz&v=3&s=296&b=oab; report-to csp-endpoint; upgrade-
insecure-requests; default-src 'self' 'unsafe-eval' 'unsafe-inline' blob: bytedance.com wss://*.tiktok.com wss://*.tiktokv.com wss://*.tiktokv.eu wss://tiktok.com
wss://tiktokv.com *.adsintegrity.net *.akamaized.net *.amazonaws.com *.bing.com *.bitssec.com *.bytedapm.com *.bytedgame.com *.bytehm-row.com *.byteicdn.com
*.byteintl.com *.byteintl.net *.byteintlapi.com *.byteintlstatic.com *.bytelemon.com *.byteoversea.com *.byteoversea.net *.bytevcloudapi.com *.capcut.com
*.cloudflare.com *.ctfassets.net *.doubleclick.net *.evbuc.com *.eventim.de *.facebook.com *.facebook.net *.fbssbx.com *.fdnstatic-intl.com *.fdmstatic.com *.g-p-
static.com *.gauthmath.com *.giphy.com *.goofy-cdn.com *.goofy.app *.google.com *.googleadservices.com *.googleapis.com *.googlesyndication.com
*.googletagmanager.com *.gstatic.com *.hsforms.com *.hsforms.net *.ibytedtos.com *.ibytedtos.com *.isnsdk.com *.jumio.ai *.kakao.com *.lemon8-app.com *.lemon8cdn.com
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*.pipopayment.us *.redditstatic.com *.resso.me *.sgsnssdk.com *.soundon.global *.tableau.com *.tenor.com *.tiktok-row.net *.tiktok.com *.tiktok.ru *.tiktok.vn
*.tiktokapis.com *.tiktokcdn-eu.com *.tiktokcdn-in.com *.tiktokcdn-us.com *.tiktokcdn.com *.tiktokcreativeone.com *.tiktokforbusinessoutbound.com
*.tiktokglobalshop.com *.tiktokmusic.me *.tiktokrow-cdn.com *.tiktokshop.com *.tiktokstaticb.com *.tiktokus.info *.tiktokv.com *.tiktokv.eu *.tiktokv.us
*.tiktokvapp.com *.tiktokw.eu *.tiktokw.us *.topbuzzcdn.com *.ttlivedcdn.com *.ttlstatic.com *.ttwstatic.com *.vimeo.com *.vodupload.com *.xzcs3zlp.com *.yahoo.co.jp
*.yhgfb-static.com *.youtube-nocookie.com *.zhiliaoapp.com api.music.apple.com code.jquery.com facebook.com google.com i.ticketweb.com images.universe.com
media.ticketmaster.eu play.itunes.apple.com res.cloudinary.com sl.ticketnet.net static.captchami.com static.captchami.com t.co tiktoks.com tiktok.com
tiktok.ua tiktok.vn tiktokfollowersfree.com tiktokv.com tx4lv.arkoselabs.com unpkg.com vimeo.com sf-website-login-bak.tiktokcdn.com; connect-src 'unsafe-inline'
blob: data; frame-ancestors tea-va.bytedance.net www.tiktok.com; frame-src bytedance: *.kakao.com *.tiktok.com access.line.me accounts.google.com api.twitter.com
appleid.apple.com assets.brainregateway.com client-api.arkoselabs.com h.online-metrix.net lf16-web.tiktokcdn.com newassets.hcaptcha.com recaptcha.google.com
tx4lv.arkoselabs.com www.facebook.com www.google.com; script-src 'report-sample' 'unsafe-eval' 'inline-speculation-rules' 'wasm-unsafe-eval' accounts.google.com
apis.google.com c.paypal.com cdnjs.cloudflare.com client-api.arkoselabs.com code.jquery.com connect.facebook.net developers.kakao.com googleads.g.doubleclick.net js-
cdn.music.apple.com/musickit/v3/musickit.js js.hcaptcha.com js.hsforms.net lf16-cdn-tos.tiktokcdn-us.com/obj/static-tx/bric-captcha/core-captcha/ pay.google.com
recaptcha.google.com s20.tiktokcdn.com s3.amazonaws.com sf16-website-login.neutral.tiktokcdn-eu.com/obj/tiktok_web_login_static_eu/pns/tiktok-cookie-banner/ sf16-
website-login.neutral.ttwstatic.com sf16-website.neutral.ttwstatic.com ssl.bing.com static.captchami.com tiktok.captchami.com tx4lv.arkoselabs.com unpkg.com
vimeo.com www.google.com www.googleadservices.com www.googleapis.com www.googletagmanager.com www.gstatic.com www.vimeo.com sf-website-login-bak.tiktokcdn.com;
worker-src www.tiktok.com/business/sw.js www.tiktok.com/embed/sw.js www.tiktok.com/firebase-messaging-sw.js www.tiktok.com/help/sw.js www.tiktok.com/sw.js
www.tiktok.com/tiktokstudio/static/worker/ www.tiktok.com/tiktokstudio/sw.js www.tiktok.com/web-static-js/ www.tiktok.com/webapp-desktop/static/worker/",
  "23": "server: TLB",
  "24": "x-tt-logid: 20260306171516DA578210F6EFA6D6179B",
  "25": "x-origin-response-time: 4,184.85.101.146",
  "26": "x-akamai-request-id: d66fbb80.d595a541",
  "27": "expires: Fri, 06 Mar 2026 09:15:16 GMT",
  "28": "cache-control: max-age=0, no-cache, no-store",
}
    
```

```

"29": "pragma: no-cache",
"30": "date: Fri, 06 Mar 2026 09:15:16 GMT",
"31": "x-cache: TCP_MISS from a23-62-97-103.deploy.akamaitechnologies.com (AkamaiGHost/22.4.3-ed4bb39d9a154b0db9134aee8c972b76) (-)",
"32": "x-cache-remote: TCP_MISS from a184-85-101-146.deploy.akamaitechnologies.com (AkamaiGHost/22.4.3-ed4bb39d9a154b0db9134aee8c972b76) (-)",
"33": "x-tt-trace-tag: id=16;cdn-cache=miss;type=dyn",
"34": "server-timing: cdn-cache; desc=MISS, edge; dur=16, origin; dur=4",
"35": "x-parent-response-time: 20,23.62.97.103"
    }
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.001362 0.008143
TCP Connect IPv4 → port 443	301 0.001350 0.047371

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
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
    
```