IPv6 Readiness Report

tiktok.com — tiktok.com

Scan to verify

Category: Social Media • Generated: 02 Nov 2026, 03:11 MYT • Last Checked: 08 Aug 2026, 18:19 MYT • Verification ID: 91f5d558-dbb4-4afa-926d-5aa8a8022330
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/91f5d558-dbb4-4afa-926d-5aa8a8022330

✗

Non-Compliant

MGv6C-1.0

43%

No IPv6 Support

IPV6-ONLY READINESS

Website: ✗ **Not Ready**

DNS: ✓ **Ready**

Email: ✗ **Not Ready**

IPV4 ADDRESSES

```
23.45.176.200
23.45.176.220
23.45.176.201
23.45.176.212
23.45.176.209
23.45.176.224
23.45.176.225
23.45.176.219
```

Network Information (WHOIS / RDAP)

	IPv4 Network
Organization	Akamai Technologies, Inc.
Country	US
ASN	AS20940
ASN Name	AKAMAI-ASN1 - Akamai International B.V., 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.

#	CHECK	RESULT	DETAIL
4	**DNSSEC Validated**	FAIL	DNSSEC validation failed or zone is unsigned.
5	**Reverse DNS (PTR)**	FAIL	No PTR record found.
6	**DS Record at Parent**	FAIL	No DS record at parent.
7	**RRSIG Valid**	FAIL	No valid RRSIG found.
8	**Signing Algorithm**	INFO	No DNSKEY record found.

Email Services (25%) — 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	23.45.176.200, 23.45.176.220, 23.45.176.201, 23.45.176.212, 23.45.176.209, 23.45.176.224, 23.45.176.225, 23.45.176.219
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4 — 53ms TTFB.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4 — 49ms TTFB.

Audit Trail & Evidence Record

Verification ID	91f5d558-dbb4-4afa-926d-5aa8a8022330
Domain	tiktok.com
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:19:50 MYT
Finished	08 Aug 2026, 18:19:54 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/91f5d558-dbb4-4afa-926d-5aa8a8022330

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	db1753827cd0852a3d234c8228e6ff0f111f2623877ddd8bb1667462c3087c95
http_headers	7e366809385afe944ff459458dc6b38ae97d9aae8c89773d48375ae325bff3e5
dns_responses	a16f6d910c62ba860372e3149fbe4e4be4bd085e5b40ba60d146512814fd6561
tls_handshake	21628ad14110c22a44f8c38071cf2f7b5f854454c6eb31f0cc0498e99b7df15a
connectivity_log	9e87a2ded83dc5102cc4ea7a68b2b62384d81ab12732eee950faf5fa539133ea
dns_resolution_times	ed1f4f47c4780f04c992e590af4e7427c5f1999b05aca8f3c06e93e6842b984a

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	21.85	24.7	23.16	23.41	+1.3
Google	IPv4	137.37	160.36	27.65	84.74	-109.7
Google	IPv6	141.54	152.63	32.65	75.01	-108.9
Cloudflare	IPv4	23.83	24.54	20.93	23.35	-2.9
Cloudflare	IPv6	22.43	23.34	29.46	30.11	+7

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 8727
;; flags: qr rd ra; QUERY: 1, ANSWER: 8, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
tiktok.com.□□20□IN□A□23.45.176.212
tiktok.com.□□20□IN□A□23.45.176.225
tiktok.com.□□20□IN□A□23.45.176.200
tiktok.com.□□20□IN□A□23.45.176.240
tiktok.com.□□20□IN□A□23.45.176.219
tiktok.com.□□20□IN□A□23.45.176.208
tiktok.com.□□20□IN□A□23.45.176.201
tiktok.com.□□20□IN□A□23.45.176.243
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 47984
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.□□□896□IN□SOA□a.gtld-servers.net. nstld.verisign-grs.com. 1786184374 1800 900 604800 900
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 1244
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
tiktok.com.□□3600□IN□MX□20 mx2.tiktok.com.
tiktok.com.□□3600□IN□MX□10 mx1.tiktok.com.
tiktok.com.□□3600□IN□MX□30 mx3.tiktok.com.
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 60334
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
tiktok.com.□□59106□IN□NS□a1-97.akam.net.
tiktok.com.□□59106□IN□NS□a18-64.akam.net.
tiktok.com.□□59106□IN□NS□a9-66.akam.net.
tiktok.com.□□59106□IN□NS□a6-65.akam.net.
tiktok.com.□□59106□IN□NS□a12-66.akam.net.
tiktok.com.□□59106□IN□NS□a13-67.akam.net.
```

TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 61889
;; flags: qr rd ra; QUERY: 1, ANSWER: 24, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
tiktok.com.□□300□IN□TXT□"_7sllfzryqu5thoyj9665cgevrcbi38m"
tiktok.com.□□300□IN□TXT□"google-site-verification=-pibSb_VhK-cZP1CQSaH7s43WbBkpzjhUwAgyc3YDH4"
tiktok.com.□□300□IN□TXT□"google-site-verification=spKY3sgLfx2ShlMQbs-jaGpfyhukOMBQ9fV_cR8yKII"
tiktok.com.□□300□IN□TXT□"_hvpbov9c2s6s8d9hj5w2njkjbpj35op"
tiktok.com.□□300□IN□TXT□"MS=ms14857357"
tiktok.com.□□300□IN□TXT□"klaviyo-site-verification=STK9xy"
tiktok.com.□□300□IN□TXT□"google-site-verification=ot5hoJ0_9g-FO6j5YX6aoLZpNM7N0y988ua0zsCDr88"
tiktok.com.□□300□IN□TXT□"_f3zsp3jcr9843f36xnpbfib409nlhjt"
```

```
tiktok.com.□□300□IN□TXT□"google-site-verification=StaGWBpu1eRwm0dUSA-24OmzeXAqkQitecePeqLQ0fc"
tiktok.com.□□300□IN□TXT□"google-site-verification=9aMOY6RF3QT8X2ACpo04BZ4CSdjPWxRJgncABZtHRYY"
tiktok.com.□□300□IN□TXT□"pinterest-site-verification=7d9fc044e28c4992dffda772e8ca2bdc"
tiktok.com.□□300□IN□TXT□"facebook-domain-verification=wo9l655kzm8rfqm1st3qe7gqduoqav"
tiktok.com.□□300□IN□TXT□"hubspot-developer-verification=YzdjZDc2ZDEtMDRmNS00MWQyLWJlNzUtY2Q4YmQyN2E0NDFl"
tiktok.com.□□300□IN□TXT□"google-site-verification=6qNNoqXIzco_ObM8QE5IZfz2kLnLQkG-llKLL_HudVI"
tiktok.com.□□300□IN□TXT□"facebook-domain-verification=iec6txjjw8r35xhq5swdem8tpa5mzw"
tiktok.com.□□300□IN□TXT□"_globalsign-domain-verification=FUJcu1hWja0wxluxlVKRWITCKMvR1CzjjxYcugM_gM"
tiktok.com.□□300□IN□TXT□"verification-code-site-edm-va=GkLVdrouyEyNQGsN0X0W"
tiktok.com.□□300□IN□TXT□"google-site-verification=UlwaFhsh7mBJzb0eTyZBibPg6HQ6doHO8-_tkmjBo4E"
tiktok.com.□□300□IN□TXT□"v=spf1 include:_spf.google.com include:mail.zendesk.com include:spf.bytedance.com include:mail.stibee.com -all"
tiktok.com.□□300□IN□TXT□"mailru-verification: c0f4705a229bd0c6"
tiktok.com.□□300□IN□TXT□"apple-domain-verification=hXgMRIDdysM4HJYw"
tiktok.com.□□300□IN□TXT□"google-site-verification=heUwjUSZGdrUk6gp54Bxe8zNWMepAUdI3eECZ7zzNuQ"
tiktok.com.□□300□IN□TXT□"google-site-verification=2ZTMDlDhN4fD3hIKVj_1LnDKhTvf4NVhT23o-edCEVw"
tiktok.com.□□300□IN□TXT□"MS=ms80039204"
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 1363
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
tiktok.com.□□3599□IN□SOA□a9-66.akam.net. hostmaster.akamai.com. 1554957926 43200 7200 604800 7200
```

RRSIG

```
a9-66.akam.net. hostmaster.akamai.com. 1554957926 43200 7200 604800 7200
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 20189
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
tiktok.com.□□3599□IN□SOA□a9-66.akam.net. hostmaster.akamai.com. 1554957926 43200 7200 604800 7200
```

DNSSEC_VALIDATION

```
; unsigned answer
tiktok.com.□□59106□IN□SOA□a9-66.akam.net. hostmaster.akamai.com. 1554957926 43200 7200 604800 7200
```

TLS Handshake Evidence

IPV4 Connection

IP Used	23.45.176.200
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: May 19 00:00:00 2026 GMT; NotAfter: Dec  3 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIEjjCCBDOgAwIBAgIQDnyWEWuGc2Sk0S+1eB3y5jAKBggqhkjOPQQDAjBgMQsw
CQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3d3cu
ZGlnaWNlcnQuY29tMR8wHQYDVQQDExZSYXBpZFNTTCBUTFMgRUNDIENBIEcxMB4X
DTI2MDUxOTAwMDAwMFoXDTI2MTIwMzIzNTk1OVowFzEVMBMGA1UEAwwMKi50aWt0
b2suY29tMFkwEwYHKoZIzj0CAQYIKoZIzj0DAQcDQgAEMiIyr+7IagtcXxuT1Qcu
qYPHZVhd0/Mc/Y2KyXmdgnMXlSgAPexB+km9A+4zlOS9Uk8RmMtg7Ygh23Li7JFT
oaOCAxYwggMSMB8GA1UdIwQYMBaAFEHfTfBhk8f8tavNfJICnQ98nAqQMB0GA1Ud
DgQWBBQqMedMDFB7TNWOxLh3qQeAKuKsDTAjBgNVHREEHDAaggwqLnRpa3Rvay5j
b22CCnRpa3Rvay5jb20wPgYDVR0gBDcwNTAzBgZngQwBAgEwKTAnBggrBgEFBQcC
ARYbaHR0cDovL3d3dy5kaWdpY2VydC5jb20vQ1BTMA4GA1UdDwEB/wQEAwIDiDAT
BgNVHSUEDDAKBggrBgEFBQcDATA/BgNVHR8EODA2MDSgMqAwhi5odHRwOi8vY2Rw
LnJhcGlkc3NsLmNvbS9SYXBpZFNTTFRMU0VDQ0NBRzEuY3JsMHYGCCsGAQUFBwEB
BGowaDAmBggrBgEFBQcwAYYaaHR0cDovL3N0YXR1cy5yYXBpZHNzbC5jb20wPgYI
KwYBBQUHMAKGMmh0dHA6Ly9jYWNlcnRzLnJhcGlkc3NsLmNvbS9SYXBpZFNTTFRM
U0VDQ0NBRzEuY3J0MAwGA1UdEwEB/wQCMAAwggF9BgorBgEEAdZ5AgQCBIIBbQSC
AWkBZwB2AMIxfldFGaNF7n843rKQQevHwiFaIr9/1bWtdprZDlLNAAABnj8vXLQA
AAQDAEcwRQIgVpcgjcfHIHi8R1wj5u4NgS9YGMxQIyjcx4rNrZvLvEECIQD8EqNo
Cr8ArqZRQoV5peonA0FqY47bs4LAnIFMNZYZFwB1ANgJVTuUT3r/yBYZb5RPhauw
+Pxeh1UmDxXRLnK7RUsUAAABnj8vXK0AAAQDAEYwRAIgKBa58/QT62g7nItXVZ/B
i08rwcRyvyOMl1IR2STaupECIAb2Iyv8UFLz3BGFGGW2Az1/P3fPnEuTOohbxztz
hsqQAHYAlE5Dh/rswe+B8xkkJqgYZQHH0184AgE/cmd9VTcuGdgAAAGePy9cvAAA
BAMARzBFAiAOjOyXKGQe5ofeNphfqgD1maxxfkMwNuz++NDBIGsxwgIhAM21Ugxx
UK3oBq2ISV34PM9QlbBepZO7P2eoRhNeIERQMAoGCCqGSM49BAMCA0kAMEYCIQDq
HELFrBZSRbuoqlGuRmd2pfGElRwT8yh/je5/GxuUvQIhAM2UE98RQQHK+vfy/wh5
euZrXz6M0vrpMQ3kjpWWeaL3
-----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-----
MIIDSDCCAs2gAwIBAgIQDe14llNJs2jUH37j4e7R6zAKBggqhkjOPQQDAjBhMQsw
CQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3d3cu
ZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBHMzAe
Fw0xNzExMDIxMjU5NThaFw0yNzExMDIxMjU5NThaMGAxCzAJBgNVBAYTAlVTMRUw
EwYDVQQKEwxEaWdpQ2VydCBJbmMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5jb20x
HzAdBgNVBAMTFlJhcGlkU1NMIFRMUyBFQ0MgQ0EgRzEwHTATBgcqhkjOPQIBBggq
hkjOPQMBBwNCAAS0B8sKopaFyriqw/ENK/dsQeYY/oh7ipH6DHQRRLqSaBkWipKi
OOnENXi33xB3Ps3w1T1Fmu0NNbv6X/8JIAxUo4IBZjCCAWIwHQYDVR0OBBYEFEHf
TfBhk8f8tavNfJICnQ98nAqQMB8GA1UdIwQYMBaAFLPbSKT5ocXYrjZBzBFjaWIp
vEvGMA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBggrBgEFBQcDAQYIKwYBBQUH
AwIwEgYDVR0TAQH/BAgwBgEB/wIBADA0BggrBgEFBQcBAQQoMCYwJAYIKwYBBQUH
MAGGGGh0dHA6Ly9vY3NwLmRpZ2ljZXJ0LmNvbTBCBgNVHR8EOzA5MDegNaAzhjFo
dHRwOi8vY3JsMy5kaWdpY2VydC5jb20vRGlnaUNlcnRHbG9iYWxSb290RzMuY3Js
MGMGA1UdIARcMFowNwYJYIZIAYb9bAEBMCowKAYIKwYBBQUHAgEWHGh0dHBzOi8v
d3d3LmRpZ2ljZXJ0LmNvbS9DUFMwCwYJYIZIAYb9bAECMAgGBmeBDAECATAIBgZn
gQwBAgIwCgYIKoZIzj0EAwIDaQAwZgIxAPjDxesWLPJ8wRUPGkI2cnMNzbrosi1q
8Lx+dQs+i1grD8fEYmPLcFBeBxbzE5iNvgIxAOO5enRE3NmOMhVWFxqllRBB2fF+
tDeHlkpyP6ylBmQQd8UUqzHVjGFdZUOd9Ufi+Q==
-----END CERTIFICATE-----
 2 s:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G3
   i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G3
   a:PKEY: id-ecPublicKey, 384 (bit); sigalg: ecdsa-with-SHA384
   v:NotBefore: Aug  1 12:00:00 2013 GMT; NotAfter: Jan 15 12:00:00 2038 GMT
-----BEGIN CERTIFICATE-----
MIICPzCCAcWgAwIBAgIQBVVWvPJepDU1w6QP1atFcjAKBggqhkjOPQQDAzBhMQsw
CQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3d3cu
ZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBHMzAe
Fw0xMzA4MDExMjAwMDBaFw0zODAxMTUxMjAwMDBaMGExCzAJBgNVBAYTAlVTMRUw
```

```
EwYDVQQKEwxEaWdpQ2VydCBJbmMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5jb20x
IDAeBgNVBAMTF0RpZ2lDZXJ0IEdsb2JhbCBSb290IEczMHYwEAYHKoZIzj0CAQYF
K4EEACIDYgAE3afZu4q4C/sLfyHS8L6+c/MzXRq8NOrexpu80JX28MzQC7phW1FG
fp4tn+6OYwwX7Adw9c+ELkCDnOg/QW07rdOkFFk2eJ0DQ+4QE2xy3q6Ip6FrtUPO
Z9wj/wMco+I+o0IwQDAPBgNVHRMBAf8EBTADAQH/MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHQ4EFgQUs9tIpPmhxdiuNkHMEWNpYim8S8YwCgYIKoZIzj0EAwMDaAAwZQIx
AK288mw/EkrRLTnDCgmXc/SINoyIJ7vmiI1Qhadj+Z4y3maTD/HMsQmP3Wyr+mt/
oAIwOWZbwmSNuJ5Q3KjVSaLtx9zRSX8XAbjIho9OjIgrqJqpisXRAL34VOKa5Vt8
sycX
-----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 2989 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
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	23.197.202.201
Connect Time	5.65 ms
TTFB	49.77 ms
Total Time	49.92 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Server: AkamaiGHost",
    "2": "Content-Length: 0",
    "3": "Location: http://www.tiktok.com/",
    "4": "Expires: Sat, 08 Aug 2026 10:19:53 GMT",
    "5": "Cache-Control: max-age=0, no-cache, no-store",
    "6": "Pragma: no-cache",
    "7": "Date: Sat, 08 Aug 2026 10:19:53 GMT",
    "8": "X-Cache: TCP_MISS from a23-211-252-137.deploy.akamaitechnologies.com (AkamaiGHost/22.6.1-d0e1f1b0a50b41e07bd832c19f3b1e81) (-)",
    "9": "Connection: keep-alive",
    "10": "x-tt-trace-tag: id=16;cdn-cache=miss;type=dyn",
    "11": "Server-Timing: cdn-cache; desc=MISS, edge; dur=0, origin; dur=0",
    "12": "X-Akamai-Request-ID: a0d5b4d",
    "14": "HTTP/1.1 301 Moved Permanently",
    "15": "Server: AkamaiGHost",
    "16": "Content-Length: 0",
    "17": "Location: https://www.tiktok.com/",
    "18": "Expires: Sat, 08 Aug 2026 10:19:53 GMT",
    "19": "Cache-Control: max-age=0, no-cache, no-store",
    "20": "Pragma: no-cache",
    "21": "Date: Sat, 08 Aug 2026 10:19:53 GMT",
    "22": "X-Cache: TCP_MISS from a23-62-97-53.deploy.akamaitechnologies.com (AkamaiGHost/22.6.1-4597402fd555c12a7378e2f925ec0cc9) (-)",
    "23": "Connection: keep-alive",
    "24": "x-tt-trace-tag: id=16;cdn-cache=hit;type=dyn",
    "25": "Server-Timing: cdn-cache; desc=HIT, edge; dur=0, origin; dur=0",
    "26": "X-Akamai-Request-ID: 2bed803d",
    "28": "HTTP/2 200",
    "29": "content-type: text/html",
    "30": "surrogate-control: no-store",
    "31": "x-tt-system-error: 3",
    "32": "proxy-status: 0000201200062000",
    "33": "strict-transport-security: max-age=31536000; includeSubDomains",
    "34": "access-control-expose-headers: x-tt-traceflag,x-tt-logid",
    "35": "x-tt-trace-host:
01fb2e49ecc3235becc8b1489d3ec2a8d99ed67ff7f488269f7b6ddf14f70b2c809753dfe8095e14c82ef1b96bedf259f6d63f46429a0cc8d9aecec6b419ab29095e300ce2351f152b6401171f692f6570",
    "36": "x-tt-trace-id: 00-260808181953EF4ED383A53586950C0A-479665734BE8EA70-00",
    "37": "reporting-endpoints: csp-
endpoint=\"https://mon.tiktokv.com/monitor_browser/collect/batch/security/?bid=tiktok_pns&ev_type=csp&p=7bMffKqyqUbn8PMzRuxmsz&v=10&s=296&b=oab\"",
    "38": "content-security-policy: report-uri
https://mon.tiktokv.com/monitor_browser/collect/batch/security/?bid=tiktok_pns&ev_type=csp&p=7bMffKqyqUbn8PMzRuxmsz&v=5&s=296&b=oab; report-to csp-endpoint; upgrade-
insecure-requests; default-src 'self' 'unsafe-eval' 'unsafe-inline' blob: bytedance: data: 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 *.bytehwm-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 *.fbsbx.com *.fcdnstatic-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 *.ibyteimg.com *.isnssdk.com *.jumio.ai *.kakao.com *.lemon8-app.com *.lemon8cdn.com
*.licdn.com *.linkedin.com *.midtrans.com *.muscdn.com *.musical.ly *.oecstatic.com *.omise.co *.pangle-ads.com *.paypal.com *.pipopay.com *.pipopayment.com
*.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 *.ttlivecdn.com *.ttlstatic.com *.ttwstatic.com *.vimeo.com *.voduplod.com *.xzcs3zlph.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 s1.ticketm.net static-label.frontgatetickets.com static.captchami.com t.co tikitoks.com tiktok.com
tiktok.ua tiktok.vn tiktokfollowersfree.com tiktokv.com tx41v.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.braintreegateway.com client-api.arkoselabs.com h.online-metrix.net lf16-web.tiktokcdn.com newassets.hcaptcha.com recaptcha.google.com
tx41v.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 tx41v.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
appleid.cdn-apple.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/",
    "39": "content-security-policy-report-only: report-uri
https://mon.tiktokv.com/monitor_browser/collect/batch/security/?bid=tiktok_pns&ev_type=csp&p=7bMffKqyqUbn8PMzRuxmsz&v=10&s=296&b=oab; report-to csp-endpoint;
upgrade-insecure-requests; script-src 'report-sample' 'inline-speculation-rules' 'wasm-unsafe-eval' accounts.google.com apis.google.com appleid.cdn-apple.com
c.paypal.com cdn.ampproject.org cdnjs.cloudflare.com client-api.arkoselabs.com code.jquery.com connect.facebook.net developers.kakao.com googleads.g.doubleclick.net
interactives.ap.org 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 sf-teko-source.tiktokcdn.com sf-website-login-bak.tiktokcdn.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
sf16m-website-login.neutral.ttwstatic.com ssl.bing.com static.captchami.com tiktok.captchami.com tx41v.arkoselabs.com unpkg.com vimeo.com www.google.com
www.googleadservices.com www.googleapis.com www.googletagmanager.com www.gstatic.com www.vimeo.com; require-trusted-types-for 'script'",
    "40": "server: TLB",
    "41": "x-tt-logid: 20260808181953EF4ED383A53586950C0A",
    "42": "x-origin-response-time: 5,2.22.241.73",
    "43": "x-akamai-request-id: ff1c34c8.3fc4e5e1",
    "44": "expires: Sat, 08 Aug 2026 10:19:53 GMT",
    "45": "cache-control: max-age=0, no-cache, no-store",
    "46": "pragma: no-cache",
    "47": "date: Sat, 08 Aug 2026 10:19:53 GMT",
    "48": "x-cache: TCP_MISS from a23-62-97-49.deploy.akamaitechnologies.com (AkamaiGHost/22.6.0-b8e8d824213d94d5c52a9e9e0de0fd20) (-)",
    "49": "x-cache-remote: TCP_MISS from a2-22-241-73.deploy.akamaitechnologies.com (AkamaiGHost/22.6.1-4597402fd555c12a7378e2f925ec0cc9) (-)",
    "50": "x-tt-trace-tag: id=16;cdn-cache=miss;type=dyn",
    "51": "server-timing: cdn-cache; desc=MISS, edge; dur=9, origin; dur=5",
    "52": "x-parent-response-time: 14,23.62.97.49"
}
```


IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	23.197.202.205
Connect Time	3.13 ms
TTFB	68.68 ms
Total Time	68.81 ms

Response Headers:


```
{
    "0": "HTTP/2 301",
    "1": "server: AkamaiGHost",
    "2": "content-length: 0",
    "3": "location: https://www.tiktok.com/",
    "4": "expires: Sat, 08 Aug 2026 10:19:53 GMT",
    "5": "cache-control: max-age=0, no-cache, no-store",
    "6": "pragma: no-cache",
    "7": "date: Sat, 08 Aug 2026 10:19:53 GMT",
    "8": "x-cache: TCP_MISS from a23-211-252-149.deploy.akamaitechnologies.com (AkamaiGHost/22.6.0-69e8d3de005aa06523468d064115a58f) (-)",
    "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: 1af0378b",
    "13": "HTTP/2 200",
    "14": "content-type: text/html",
    "15": "surrogate-control: no-store",
    "16": "x-tt-system-error: 3",
    "17": "proxy-status: 0000201200062000",
    "18": "strict-transport-security: max-age=31536000; includeSubDomains",
    "19": "access-control-expose-headers: x-tt-traceflag,x-tt-logid",
    "20": "x-tt-trace-host:
01fb2e49ecc3235becc8b1489d3ec2a8d9ccbae2ba1dc197a9d00b2afa65954ef29beae061543178913dea98d9f798f3e0389d0a93214c704f7634d21e44aa081f4f4fb0d9424e4afedad55645668fc18e",
    "21": "x-tt-trace-id: 00-2608081819547BC71575982BE98B1136-2E823BE31E66667F-00",
    "22": "reporting-endpoints: csp-
endpoint=\"https://mon.tiktokv.com/monitor_browser/collect/batch/security/?bid=tiktok_pns&ev_type=csp&p=7bMffKqyqUbn8PMzRuxmsz&v=10&s=296&b=oab\"",
    "23": "content-security-policy: report-uri
https://mon.tiktokv.com/monitor_browser/collect/batch/security/?bid=tiktok_pns&ev_type=csp&p=7bMffKqyqUbn8PMzRuxmsz&v=5&s=296&b=oab; report-to csp-endpoint; upgrade-
insecure-requests; default-src 'self' 'unsafe-eval' 'unsafe-inline' blob: bytedance: data: 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 *.bytehwm-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 *.fbsbx.com *.fcdnstatic-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 *.ibyteimg.com *.isnssdk.com *.jumio.ai *.kakao.com *.lemon8-app.com *.lemon8cdn.com
*.licdn.com *.linkedin.com *.midtrans.com *.muscdn.com *.musical.ly *.oecstatic.com *.omise.co *.pangle-ads.com *.paypal.com *.pipopay.com *.pipopayment.com
*.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 *.ttlivecdn.com *.ttlstatic.com *.ttwstatic.com *.vimeo.com *.vodupload.com *.xzcs3zlph.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 s1.ticketm.net static-label.frontgatetickets.com static.captchami.com t.co tikitoks.com tiktok.com
tiktok.ua tiktok.vn tiktokfollowersfree.com tiktokv.com tx41v.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.braintreegateway.com client-api.arkoselabs.com h.online-metrix.net lf16-web.tiktokcdn.com newassets.hcaptcha.com recaptcha.google.com tx41v.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 tx41v.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 appleid.cdn-apple.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/",
"24": "content-security-policy-report-only: report-uri https://mon.tiktokv.com/monitor_browser/collect/batch/security/?bid=tiktok_pns&ev_type=csp&p=7bMffKqyqUbn8PMzRuxmsz&v=10&s=296&b=oab; report-to csp-endpoint; upgrade-insecure-requests; script-src 'report-sample' 'inline-speculation-rules' 'wasm-unsafe-eval' accounts.google.com apis.google.com appleid.cdn-apple.com c.paypal.com cdn.ampproject.org cdnjs.cloudflare.com client-api.arkoselabs.com code.jquery.com connect.facebook.net developers.kakao.com googleads.g.doubleclick.net interactives.ap.org 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 sf-teko-source.tiktokcdn.com sf-website-login-bak.tiktokcdn.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 sf16m-website-login.neutral.ttwstatic.com ssl.bing.com static.captchami.com tiktok.captchami.com tx41v.arkoselabs.com unpkg.com vimeo.com www.google.com www.googleadservices.com www.googleapis.com www.googletagmanager.com www.gstatic.com www.vimeo.com; require-trusted-types-for 'script'",
"25": "server: TLB",
"26": "x-tt-logid: 202608081819547BC71575982BE98B1136",
"27": "x-origin-response-time: 29,2.22.241.74",
"28": "x-akamai-request-id: 909c8091.228e6e5b",
"29": "expires: Sat, 08 Aug 2026 10:19:54 GMT",
"30": "cache-control: max-age=0, no-cache, no-store",
"31": "pragma: no-cache",
"32": "date: Sat, 08 Aug 2026 10:19:54 GMT",
"33": "x-cache: TCP_MISS from a23-62-97-47.deploy.akamaitechnologies.com (AkamaiGHost/22.6.0-b8e8d824213d94d5c52a9e9e0de0fd20) (-)",
"34": "x-cache-remote: TCP_MISS from a2-22-241-74.deploy.akamaitechnologies.com (AkamaiGHost/22.6.1-4597402fd555c12a7378e2f925ec0cc9) (-)",
"35": "x-tt-trace-tag: id=16;cdn-cache=miss;type=dyn",
"36": "server-timing: cdn-cache; desc=MISS, edge; dur=11, origin; dur=28",
"37": "x-parent-response-time: 39,23.62.97.47"
}

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.000907 0.009905
TCP Connect IPv4 → port 443	301 0.001591 0.042497

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
```