

IPv6 Readiness Report

threads.net — threads.net

Category: Social Media • Generated: 21 Apr 2026, 19:16 MYT • Last Checked: 07 Mar 2026, 01:15 MYT • Verification ID: 33e23845-3637-4a80-a190-deb8818c4f90

Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>Audit trail: <https://ipv6.my6.my/audit/33e23845-3637-4a80-a190-deb8818c4f90>**Partially Compliant**

MGv6C-1.0

74%**Partial Support****IPv6-ONLY READINESS**Website: ✓ **Ready**DNS: ✓ **Ready**Email: ✗ **Not Ready****IPv6 ADDRESSES**

2a03:2880:f27f:cf:face:b00c::43fe

IPv4 ADDRESSES

157.240.236.63

Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	meta-mnt	Facebook, Inc.
Country	IE	US
ASN	AS32934	AS32934
ASN Name	FACEBOOK - Facebook, Inc., US	FACEBOOK - Facebook, Inc., US
Network (CIDR)	2a03:2880::/29	157.240.0.0/16

Web Services (35%)

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#	CHECK	RESULT	DETAIL
1	AAAA Record	PASS	2a03:2880:f27f:cf:face:b00c::43fe
2	Globally Routable IPv6	PASS	All addresses are globally routable.
3	HTTP over IPv6	PASS	HTTP (port 80) responds over IPv6 — 486ms TTFB.
4	HTTPS over IPv6	PASS	HTTPS (port 443) responds over IPv6 — 467ms 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 = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1, expires Mar 13 23:59:59 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%)

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#	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.
8	Signing Algorithm	INFO	No DNSKEY record found.

Email Services (25%) 1 / 6

#	CHECK	RESULT	DETAIL
1	MX Record Exists	FAIL	No MX record found in DNS.
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	No common DKIM selector found.
7	DMARC Record	FAIL	No DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	157.240.236.63
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 418ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 455ms TTFB.

Audit Trail & Evidence Record

Verification ID	33e23845-3637-4a80-a190-deb8818c4f90
Domain	threads.net
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:15:49 MYT
Finished	07 Mar 2026, 01:15:59 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/33e23845-3637-4a80-a190-deb8818c4f90

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	399f20c586dbc6eb9a18179ee365a950fc02a3af4593ffba48c61d92b0c36
http_headers	0734e6f099e30c34dbb14e192e4ad6a47919454ce2b4272509f83093939f2015
dns_responses	145592e84e070c01397fd058aa024b29efb91441df678d41fb6c7fd5ba7ad02a
tls_handshake	bf6ac566902e30364d2e47ed52371d5b34add505a943aef2109d5b491a307182
connectivity_log	9441caba0311ee39f194d83860c061a44353d2ee35e200b08786a668432bd1c6
dns_resolution_times	a9f5b942a306335bde263191336e0a3b0b6ba2117f477db6139749e37301188f

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	8.71	18.79	19	19.01	+10.3
Google	IPv4	25.05	31.01	30.32	48.82	+5.3
Google	IPv6	28.02	29.12	20.95	28.7	-7.1
Cloudflare	IPv4	10.16	28.97	18.01	18.98	+7.9
Cloudflare	IPv6	18.42	19.47	22.1	28.65	+3.7

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 57522
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
threads.net. 60 IN A 57.144.150.192
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 15908
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
net. 900 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1772788536 1800 900 604800 900
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 41662
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
threads.net. 1800 IN SOA a.ns.facebook.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 56425
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
threads.net. 21600 IN NS a.ns.facebook.com.
threads.net. 21600 IN NS c.ns.facebook.com.
threads.net. 21600 IN NS b.ns.facebook.com.
threads.net. 21600 IN NS d.ns.facebook.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 45728
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
threads.net. 3600 IN TXT "google-site-verification=GpsmbpsLILYk3Kq9pLJXUil-TZ8NW1hrGKI2twhBGxE"
threads.net. 7200 IN TXT "v=spf1 a ~all"
threads.net. 3600 IN TXT "facebook-domain-verification=hiqltzmr7yrusmgfntknxfgkb5u2tm"
threads.net. 3600 IN TXT "j5sc6587dxzfy90qfmqnxnlq8c4lhwnm"
threads.net. 3600 IN TXT "google-site-verification=Wby5jFTz1ZZYzg008qcjxlvP7cM_17A6w5H0ijJsKc"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 27060
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
threads.net. 60 IN AAAA 2a03:2880:f34b:c0:face:b00c:0:43fe
```

RRSIG

```
a.ns.facebook.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```

DNSKEY

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 61756  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 512  
;; AUTHORITY SECTION:  
threads.net. IN SOA a.ns.facebook.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```

DNSSEC_VALIDATION

```
; unsigned answer  
threads.net. IN SOA a.ns.facebook.com. dns.facebook.com. 4207849484 14400 1800 604800 3600
```


TLS Handshake Evidence

IPv4 Connection

Table with 2 columns: IP Used (157.240.236.63), IP Version (4)

```
depth=2 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
verify return:1
depth=1 C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
verify return:1
depth=0 C = US, ST = California, L = Menlo Park, O = "Meta Platforms, Inc.", CN = *.threads.net
verify return:1
CONNECTED(00000010)
...
Certificate chain
0 s:C = US, ST = California, L = Menlo Park, O = "Meta Platforms, Inc.", CN = *.threads.net
i:C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Dec 13 00:00:00 2025 GMT; NotAfter: Mar 13 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIG6DCBdCgAwIBAgIQDgyHwdbiszVYbJHePMggGzANBgkqhkiG9w0BAQsFADBz
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW55MTMwMQYDVQ0EYpE
awdpQ2VydCBHbG9iYWwRZiGVEwTIFJTO3BTSEYNTYGMjAyMjB0QTEwHhcnMjUx
MjEzMDAwMDAwHhcnMjYwZmZmMjE0MTU5JmQ0M0swCQYDVQQGEwJVUzEVMBMGA1UE
CBMKQ2FsaWZvcm5pYXVETMBEAG1UEBxMKTWUubG8gUGFyazEdMBsGA1UEChMUTWV0
YSBQbG90Zm9yYXMsIEluYy4xZjAUBGNVBMAMDSoudGhyZWFKcy5uZXQwggEiMA0G
CqG5Ib3DQEBAAQAA4IBDWAwwgEKAoIBAQCW30WtGyMCRxmuA5yfflumtkC60ra
I19SIVPW3A7cm11PxWGsFUJ4jStvrLEFGDv+ZEPD3spEM1eY2bBQ+Py9U2VQ+fGc
55zLep5Q8QAxFTVM5kj5pKnrv0WfMUKG8/ENZw+5Y8dmp2jDy0Lr/74rJeG
iF9GdE19/qRK9tfejm3EhTSEoeVnE3LDcS3KoYVjL2dmlKJ0PL+Yzumoc/9wwwF
7q4dAlTJGDASeJSCVQE0L0U2Iz1AHAsC3hvg1pQ1wGw8RtjvrbCGVvp0TAXeK4Gg
zT6MD2QnNFSnwLrfihToK7LeLkUULZx3zIdasB7zR/ZhwAp1TQb02y7AgMBAAAG
gg0VMIIDkTAFBgNVHSMGDAWgBR0hYDAZsffn97PvSk3qgMdvu3NFzAdBgNVHQ4E
FgQU0CbZ36bYv6vDAZUloQNhokI7j r4wJQYDVR0RBBAwHIINKi50aHJlYWRRzLm5l
d1ILdGhyZWFKcy5uZXQwPgYDVR0BGDcwNTAzBgZngQwAgIwKAnBgrrBgEFBQcC
ARYbaHR0cDovL3d3dy5kaWdpY2VydC5jb20vQ1BTMA4GA1UdDwEB/wQEAwIFoDAd
BgNVHUSUEFjAUBggrrBgEFBQcDAQYIKwYBBQUHAWIwZ8GA1UdHwSBzCBLDBoIEAg
RIZCaHR0cDovL2NybmDMuZGlnaWNlcnQy29tL0RpZ2LDXJ0R2xvYmFzRzJUTFN5
U0FTSEYNTYyMDIwQ0EwL0EwY3JmEigRqBEhkjOdHRw0i8vY3J3NC5kaWdpY2VydC
5jb20vRGlnaUNlcnRhbG9iYWwHMLRMU1JTQVNIQTII1njIwMjBDQTEtMS5jcmww
gYcGCCsGAUFBwEBBhsweTAKBggrrBgEFBQcAyyyAHR0cDovL29j3AuZGlnaWNl
cnQuY29tMFEgCCsGAUFBzAChkVodHRw0i8vY2FZJXJ0cy5kaWdpY2VydC5jb20v
RGlnaUNlcnRhbG9iYWwHMLRMU1JTQVNIQTII1njIwMjBDQTEtMS5jcnQwDAYDVR0
AQH/BAIwADCCAX0GCSGAUFBzAChkVodHRw0i8vY2FZJXJ0cy5kaWdpY2VydC5jb20
NwhCd+nw0tX2pPM2bkakPw/KqYAAAGBfS0hygAABAMASDBGaiEA772UY80RSj f3
4e3H/a58awQCDBeq9WAJv9pI6P+s9sCIQCfPj5a5LlQBK5T2V7LGIFFdaY/0/78v
MwP2S1qwKtsQDAB1ABaDLavwqSUPD/A6pUX/yL/II9CHS/YEKSf45x8zE/X6AAAB
mxUtIeAAAQDAEYwRAI9NAja2FSJegmy8QADNyP035yhKKT6m6bbVFxNIXQBjKqC
IEB6RbIT3ArQ3jytn5KYU9/AygQpu4Uye2n/an8hqH2qAHUAZBHEBKQ57KeJHKIC
LgC8q080B9QeNser6v7VA8l9zfaAAAGBfS0hlgAABAMARjBEAiBC5mEbD+92+J3z
A1vrIZn7wbYMMwFyA3Udr338LHtjwI9PLi9j6W0B1kokp+D2g6cBG2TDJr7FfRM
qzQPpFDLx8AwDQYJKoZIhvcNAQELBQADggEBAKVAyCDXwZGvI7r+Bmtuzq8F3cs
ZdcZWVkpEwIz2Yat4wI2ShjKJHvx+BeUL9ixu8+q551EjWQ2yypoapc0thubi0Z
xUXHfawBSavrEbjTK7KeoGHS8Ajd5N0rJPBkicxx96oeSeJYyIKth0F69e9LCUFE
T7EYySpsEg4Wvenf0B+/aF47ev7BrYVh9qa6tmYj01ZCctbMtna5QVxgi17yB8FE
xnaVj9s/WegndnUdGkN09E+G+uZLBly9EeBwhch3Mr1iMe09/CuzbkqKqYysEn
tYY0JDH3XWS+cQn/Q0iwh1qehad93onacGt9JgCg15H+NOVDt0JyYe0v+fE=
-----END CERTIFICATE-----
1 s:C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Mar 30 00:00:00 2021 GMT; NotAfter: Mar 29 23:59:59 2031 GMT
-----BEGIN CERTIFICATE-----
MIIEyDCCA7CgAwIBAgIQDPW9BItWAvR6uFAsI8zwZjANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW55MRkwFwYDVoQQEExB3
d3cuZGlnaWNlcnQuY29tMSAwHwYDVoQQEExdEawdpQ2VydCBHbG9iYWwUm9vdCBH
MjEzMDAwMDAwHhcnMjYwZmZmMjE0MTU5JmQ0M0swCQYDVQQGEwJVUzEVMBMGA1UE
CBMKQ2FsaWZvcm5pYXVETMTA5MjB0QTEwHhcnMjYwZmZmMjE0MTU5JmQ0M0swCQY
DVQQGEwJVUzEVMBMGA1UEBxMKTWUubG8gUGFyazEdMBsGA1UEChMUTWV0YSBQbG90
Zm9yYXMsIEluYy4xZjAUBGNVBMAMDSoudGhyZWFKcy5uZXQwggEiMA0GCSqGSIb3
DQEBAAQAA4IBDWAwwgEKAoIBAQCW30WtGyMCRxmuA5yfflumtkC60raI19SIVPW3A7
cm11PxWGsFUJ4jStvrLEFGDv+ZEPD3spEM1eY2bBQ+Py9U2VQ+fGc55zLep5Q8QAx
FTVM5kj5pKnrv0WfMUKG8/ENZw+5Y8dmp2jDy0Lr/74rJeGiF9GdE19/qRK9tfejm3
EhTSEoeVnE3LDcS3KoYVjL2dmlKJ0PL+Yzumoc/9wwwF7q4dAlTJGDASeJSCVQE0
L0U2Iz1AHAsC3hvg1pQ1wGw8RtjvrbCGVvp0TAXeK4GgzT6MD2QnNFSnwLrfihTo
K7LeLkUULZx3zIdasB7zR/ZhwAp1TQb02y7AgMBAAAGgg0VMIIDkTAFBgNVHSMG
DAWgBR0hYDAZsffn97PvSk3qgMdvu3NFzAdBgNVHQ4EFgQU0CbZ36bYv6vDAZUlo
QNhokI7j r4wJQYDVR0RBBAwHIINKi50aHJlYWRRzLm5ld1ILdGhyZWFKcy5uZX
QwPgYDVR0BGDcwNTAzBgZngQwAgIwKAnBgrrBgEFBQcCARYbaHR0cDovL3d3dy5
kaWdpY2VydC5jb20vQ1BTMA4GA1UdDwEB/wQEAwIFoDAdBgNVHUSUEFjAUBggrr
BgEFBQcDAQYIKwYBBQUHAWIwZ8GA1UdHwSBzCBLDBoIEAgRIZCaHR0cDovL2Nybm
DMuZGlnaWNlcnQy29tL0RpZ2LDXJ0R2xvYmFzRzJUTFN5U0FTSEYNTYyMDIwQ0E
wL0EwY3JmEigRqBEhkjOdHRw0i8vY3J3NC5kaWdpY2VydC5jb20vRGlnaUNlcnR
hbG9iYWwHMLRMU1JTQVNIQTII1njIwMjBDQTEtMS5jcmwwgYcGCCsGAUFBwEBB
hsweTAKBggrrBgEFBQcAyyyAHR0cDovL29j3AuZGlnaWNlcnQuY29tMFEgCCsGAU
FBzAChkVodHRw0i8vY2FZJXJ0cy5kaWdpY2VydC5jb20vRGlnaUNlcnRhbG9iYWw
HMLRMU1JTQVNIQTII1njIwMjBDQTEtMS5jcnQwDAYDVR0AQH/BAIwADCCAX0GCS
GAUFBzAChkVodHRw0i8vY2FZJXJ0cy5kaWdpY2VydC5jb20vNwhCd+nw0tX2pPM2
bkakPw/KqYAAAGBfS0hygAABAMASDBGaiEA772UY80RSj f34e3H/a58awQCDBeq9
WAJv9pI6P+s9sCIQCfPj5a5LlQBK5T2V7LGIFFdaY/0/78vMwP2S1qwKtsQDAB1
ABaDLavwqSUPD/A6pUX/yL/II9CHS/YEKSf45x8zE/X6AAABmxUtIeAAAQDAEYwRAI
9NAja2FSJegmy8QADNyP035yhKKT6m6bbVFxNIXQBjKqCIEB6RbIT3ArQ3jytn5
KYU9/AygQpu4Uye2n/an8hqH2qAHUAZBHEBKQ57KeJHKICLgC8q080B9QeNser6v7
VA8l9zfaAAAGBfS0hlgAABAMARjBEAiBC5mEbD+92+J3zA1vrIZn7wbYMMwFyA3
Udr338LHtjwI9PLi9j6W0B1kokp+D2g6cBG2TDJr7FfRMqzQPpFDLx8AwDQYJKo
ZIhvcNAQELBQADggEBAKVAyCDXwZGvI7r+Bmtuzq8F3csZdcZWVkpEwIz2Yat4w
I2ShjKJHvx+BeUL9ixu8+q551EjWQ2yypoapc0thubi0ZxUXHfawBSavrEbjTK7
KeoGHS8Ajd5N0rJPBkicxx96oeSeJYyIKth0F69e9LCUFE T7EYySpsEg4Wvenf0
B+/aF47ev7BrYVh9qa6tmYj01ZCctbMtna5QVxgi17yB8FExnaVj9s/WegndnUdG
kN09E+G+uZLBly9EeBwhch3Mr1iMe09/CuzbkqKqYysEntYY0JDH3XWS+cQn/Q0i
wh1qehad93onacGt9JgCg15H+NOVDt0JyYe0v+fE=
-----END CERTIFICATE-----
```



```

"44": "x-fb-debug: xlcSnskBHajOC+LKZQ4CJ8EDotmis8bWx+QFG0hVWJiElrSsEu+shwDYWxgCbW0ZgggCTL/wJxzA2Ga6znuQ==",
"45": "date: Fri, 06 Mar 2026 09:15:57 GMT",
"46": "alt-svc: h3=\":443\"; ma=86400",
"47": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=6, rtx=0, c=16, mss=1380, tbw=3828, tp=-1, tpl=-1, uplat=189, ullat=0"
}

```

IPv6 HTTP (port 80)

HTTP Status	200
Connected IP	2a03:2880:f27f:1cf:face:b00c:0:43fe
Connect Time	6.45 ms
TTFB	475.71 ms
Total Time	475.81 ms

Response Headers:

```

{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Location: https://threads.net/",
  "2": "Content-Type: text/plain",
  "3": "Server: proxygen-bolt",
  "4": "Date: Fri, 06 Mar 2026 09:15:55 GMT",
  "5": "Connection: keep-alive",
  "6": "Content-Length: 0",
  "8": "HTTP/2 301",
  "9": "vary: Accept-Encoding",
  "10": "location: https://www.threads.net/",
  "11": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
  "12": "x-stack: www",
  "13": "content-type: text/html; charset=utf-8",
  "14": "x-fb-debug: 4Lh6mk3np4wdEixhQJ0xTvyTvb+y0xkdPdAhPhbyT7hgyHxqJi0r/n/LNkFGskqi4JVldH7LnERLI6/75MwnlQ==",
  "15": "content-length: 0",
  "16": "date: Fri, 06 Mar 2026 09:15:55 GMT",
  "17": "alt-svc: h3=\":443\"; ma=86400",
  "18": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=16, mss=1380, tbw=3828, tp=-1, tpl=-1, uplat=202, ullat=1",
  "20": "HTTP/2 200",
  "21": "vary: Accept-Encoding",
  "22": "set-cookie: csrftoken=VfSzDz0wH1K4pNk_pk7fer; expires=Sat, 10-Apr-2027 09:15:56 GMT; Max-Age=34560000; path=/; domain=.threads.net; secure",
  "23": "accept-ch-lifetime: 4838400",
  "24": "accept-ch: viewport-width,dpr,Sec-CH-Prefers-Color-Scheme,Sec-CH-UA-Full-Version-List,Sec-CH-UA-Platform-Version,Sec-CH-UA-Model",
  "25": "reporting-endpoints: coop_report=https://www.facebook.com/browser_reporting/coop/?minimize=0",
  coop_report=https://www.facebook.com/browser_reporting/coep/?minimize=0",
  default=https://www.threads.com/ajax/barcelona_error_reports/?device_level=unknown&bsid=7614068872220684424&comet_app_key=122&cpp=C3&cv=1034621774&st=1772788556187",
  permissions_policy=https://www.threads.com/ajax/barcelona_error_reports",
  "26": "report-to:
  {\"max_age\":2592000,\"endpoints\": [{\"url\": \"https://www.facebook.com/browser_reporting/coop/?minimize=0\"}], \"group\": \"coop_report\", \"include_subdomains\": true},
  {\"max_age\":86400,\"endpoints\": [{\"url\": \"https://www.facebook.com/browser_reporting/coep/?minimize=0\"}], \"group\": \"coep_report\"},
  {\"max_age\":259200,\"endpoints\": [{\"url\": \"https://www.threads.com/ajax/barcelona_error_reports/?device_level=unknown&bsid=7614068872220684424&comet_app_key=122&cpp=C3&cv=1034621774&st=1772788556187\"}], \"group\": \"permissions_policy\"},
  "27": "x-frame-options: DENY",
  "28": "content-security-policy: default-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net blob:script-src *.facebook.com *.fbcdn.net *.facebook.net 127.0.0.1* 'nonce-rowmHhc8' blob: 'self' static.cdninstagram.com 'unsafe-eval'; style-src data: 'self' 'unsafe-inline' *.fbcdn.net *.threads.com *.threads.net *.facebook.com *.instagram.com static.cdninstagram.com; connect-src *.threads.com *.threads.net wss://*.threads.com; wss://*.threads.net:*.facebook.com facebook.com *.fbcdn.net *.facebook.net wss://*.facebook.com; ws://localhost:*.blob: *.instagram.com *.cdninstagram.com wss://*.instagram.com:*.self'; font-src data: static.cdninstagram.com; img-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net *.cdninstagram.com data: blob: about.fb.com engineering.fb.com *.fbx.com android-webview-video-poster: pps.whatsapp.net *.oculuscdn.com *.tenor.co *.tenor.com *.giphy.com https://www.gstatic.com; media-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net *.cdninstagram.com data: blob: *.fbx.com android-webview-video-poster: *.tenor.co *.tenor.com https://*.giphy.com https://www.gstatic.com; child-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob:; frame-src *.fbx.com 'self'; manifest-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob:; object-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob:; worker-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob:; block-all-mixed-content; upgrade-insecure-requests; require-trusted-types-for 'script';",
  "29": "document-policy: force-load-at-top",
  "30": "document-policy: include-js-call-stacks-in-crash-reports",
  "31": "permissions-policy: accelerometer=(), attribution-reporting=(), autoplay=(), bluetooth=(), camera=(), ch-device-memory=(), ch-downlink=(), ch-dpr=(), ch-ect=(), ch-rtt=(), ch-save-data=(), ch-ua-arch=(), ch-ua-bitness=(), ch-viewport-height=(), ch-viewport-width=(), ch-width=(), clipboard-read=(), clipboard-write=(self), compute-pressure=(), display-capture=(), encrypted-media=(), fullscreen=(self), gamepad=(), geolocation=(self), gyroscope=(), hid=(), idle-detection=(), interest-cohort=(), keyboard-map=(), local-fonts=(), magnetometer=(), microphone=(), midi=(), otp-credentials=(), payment=(), picture-in-picture=(), private-state-token-issuance=(), publickey-credentials-get=(), screen-wake-lock=(), serial=(), shared-storage=(), shared-storage-select-url=(), private-state-token-redemption=(), usb=(), unload=(self), window-management=(), xr-spatial-tracking=(); report-to= \"permissions_policy\"",
  "32": "cross-origin-resource-policy: same-origin",
  "33": "cross-origin-embedder-policy-report-only: require-corp; report-to= \"coep_report\"",
  "34": "cross-origin-opener-policy: same-origin-allow-popups",
  "35": "pragma: no-cache",
  "36": "cache-control: private, no-cache, no-store, must-revalidate",
  "37": "expires: Sat, 01 Jan 2000 00:00:00 GMT",
  "38": "x-content-type-options: nosniff",
  "39": "x-xss-protection: 0",

```

```

"40": "origin-agent-cluster: ?1",
"41": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
"42": "x-stack: www",
"43": "content-type: text/html; charset=utf-8",
"44": "x-fb-debug: PRJsc8GkK7okDv1rfJoh637wfgcJlov6CHOA3psppxxX4l/zVeyE+qewUpQVDj1VqwBJGlvPM0aGi7Y3hRTuw==",
"45": "date: Fri, 06 Mar 2026 09:15:56 GMT",
"46": "alt-svc: h3=\":443\"; ma=86400",
"47": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=7, rtx=0, c=16, mss=1380, tbw=3828, tp=-1, tpl=-1, uplat=248, ullat=0"
}

```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	163.70.132.63
Connect Time	7 ms
TTFB	381.44 ms
Total Time	381.54 ms

Response Headers:

```

{
  "0": "HTTP/2 301",
  "1": "vary: Accept-Encoding",
  "2": "location: https://www.threads.net/",
  "3": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
  "4": "x-stack: www",
  "5": "content-type: text/html; charset=utf-8",
  "6": "x-fb-debug: sIaQf0sZjzkDLpItEhG/6oEstDdqIM3mwL9iZtFR6eVE22q0x63xAm1VQFb2VhP/T/QIm9IyGMEW1x0U5g2aQ==",
  "7": "content-length: 0",
  "8": "date: Fri, 06 Mar 2026 09:15:58 GMT",
  "9": "alt-svc: h3=\":443\"; ma=86400",
  "10": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=16, mss=1380, tbw=3828, tp=-1, tpl=-1, uplat=161, ullat=0",
  "12": "HTTP/2 200",
  "13": "vary: Accept-Encoding",
  "14": "set-cookie: csrftoken=MWCokpieyv30JcN7d_jfwQ; expires=Sat, 10-Apr-2027 09:15:58 GMT; Max-Age=34560000; path=/; domain=.threads.net; secure",
  "15": "accept-ch-lifetime: 4838400",
  "16": "accept-ch: viewport-width,dpr,Sec-CH-Prefers-Color-Scheme,Sec-CH-UA-Full-Version-List,Sec-CH-UA-Platform-Version,Sec-CH-UA-Model",
  "17": "reporting-endpoints: coop_report=https://www.facebook.com/browser_reporting/coop/?minimize=0",
  coop_report=https://www.facebook.com/browser_reporting/coep/?minimize=0",
  default=https://www.threads.com/ajax/barcelona_error_reports/?device_level=unknown&bsid=7614068880478268009&comet_app_key=122&cpp=C3&cv=1034621774&st=1772788558656",
  permissions_policy=https://www.threads.com/ajax/barcelona_error_reports/",
  "18": "report-to:
{
  \"max_age\":2592000,\"endpoints\":[{\\"url\":\":https://www.facebook.com/browser_reporting/coop/?minimize=0\"}],\"group\":\":coop_report\",\"include_subdomains\":true},
  {\\"max_age\":86400,\"endpoints\":[{\\"url\":\":https://www.facebook.com/browser_reporting/coep/?minimize=0\"}],\"group\":\":coep_report\"},
  {\\"max_age\":259200,\"endpoints\":[{\\"url\":\":https://www.threads.com/ajax/barcelona_error_reports/?device_level=unknown&bsid=7614068880478268009&comet_app_key=122&cpp=C3&cv=1034621774&st=1772788558656\"}],\"group\":\":permissions_policy\"},
  {\\"max_age\":21600,\"endpoints\":[{\\"url\":\":https://www.threads.com/ajax/barcelona_error_reports/\"}],\"group\":\":permissions_policy\"},
  "19": "x-frame-options: DENY",
  "20": "content-security-policy: default-src *.threads.net *.instagram.com *.facebook.com *.fbcdn.net blob;script-src *.facebook.com *.fbcdn.net *.facebook.net 127.0.0.1:* 'nonce-P6VL7tNe' blob: 'self' static.cdninstagram.com 'unsafe-eval';style-src data: blob: 'unsafe-inline' *.fbcdn.net *.threads.net *.facebook.com *.instagram.com static.cdninstagram.com;connect-src *.threads.net wss://*.threads.net * wss://*.threads.net:*.facebook.com facebook.com *.fbcdn.net *.facebook.net wss://*.facebook.com * ws://localhost:* blob: *.instagram.com *.cdninstagram.com wss://*.instagram.com:*.self';font-src data: static.cdninstagram.com;img-src *.threads.net *.instagram.com *.facebook.com *.fbcdn.net *.cdninstagram.com data: blob: about.fb.com engineering.fb.com *.fbx.com android-webview-video-poster: pps.whatsapp.net *.oculuscdn.com *.tenor.com *.tenor.com *.giphy.com https://www.gstatic.com;media-src *.threads.net *.instagram.com *.facebook.com *.fbcdn.net *.cdninstagram.com data: blob: *.fbx.com android-webview-video-poster: *.tenor.com *.tenor.com https://*.giphy.com https://www.gstatic.com;child-src *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob;frame-src *.fbx.com 'self';manifest-src *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob;object-src *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob;worker-src *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob;block-all-mixed-content;upgrade-insecure-requests;require-trusted-types-for 'script';",
  "21": "document-policy: force-load-at-top",
  "22": "document-policy: include-js-call-stacks-in-crash-reports",
  "23": "permissions-policy: accelerometer=(), attribution-reporting=(), autoplay=(), bluetooth=(), camera=(), ch-device-memory=(), ch-downlink=(), ch-dpr=(), ch-ect=(), ch-rtt=(), ch-save-data=(), ch-ua-arch=(), ch-ua-bitness=(), ch-viewport-height=(), ch-viewport-width=(), ch-width=(), clipboard-read=(), clipboard-write=(self), compute-pressure=(), display-capture=(), encrypted-media=(), fullscreen=(self), gamepad=(), geolocation=(self), gyroscope=(), hid=(), idle-detection=(), interest-cohort=(), keyboard-map=(), local-fonts=(), magnetometer=(), microphone=(), midi=(), otp-credentials=(), payment=(), picture-in-picture=(), private-state-token-issuance=(), publickey-credentials-get=(), screen-wake-lock=(), serial=(), shared-storage=(), shared-storage-select-url=(), private-state-token-redemption=(), usb=(), unload=(self), window-management=(), xr-spatial-tracking=();report-to=\":permissions_policy\"",
  "24": "cross-origin-resource-policy: same-origin",
  "25": "cross-origin-embedder-policy-report-only: require-corp;report-to=\":coep_report\"",
  "26": "cross-origin-opener-policy: same-origin-allow-popups",
  "27": "pragma: no-cache",
  "28": "cache-control: private, no-cache, no-store, must-revalidate",
  "29": "expires: Sat, 01 Jan 2000 00:00:00 GMT",
  "30": "x-content-type-options: nosniff",
  "31": "x-xss-protection: 0",
  "32": "origin-agent-cluster: ?1",
  "33": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
  "34": "x-stack: www",

```

```

"35": "content-type: text/html; charset=utf-8",
"36": "x-fb-debug: vjhKocYp0hEc3voleEsSznRwVoPE4BGDR7qXLN++5KrYXvs/X4MPDqQnmWzdvV9pLPNfXiScfdmLT4Gb7VjdA==",
"37": "date: Fri, 06 Mar 2026 09:15:58 GMT",
"38": "alt-svc: h3=\":443\"; ma=86400",
"39": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=7, rtx=0, c=16, mss=1380, tbw=3828, tp=-1, tpl=-1, uplat=199, ullat=0"
}

```

IPv6 HTTPS (port 443)

HTTP Status	200
Connected IP	2a03:2880:f27f:1cf:face:b00c:0:43fe
Connect Time	4.3 ms
TTFB	449.68 ms
Total Time	449.78 ms

Response Headers:

```

{
  "0": "HTTP/2 301",
  "1": "vary: Accept-Encoding",
  "2": "location: https://www.threads.net/",
  "3": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
  "4": "x-stack: www",
  "5": "content-type: text/html; charset=utf-8",
  "6": "x-fb-debug: PyRrldgilmIwdNB/f2h4LIuykJ8TKyys8PnwEDdAt0E4EegKRGyT4ml40MFwi0QobEdIJceEeFlkUs4wFz8L9Q==",
  "7": "content-length: 0",
  "8": "date: Fri, 06 Mar 2026 09:15:56 GMT",
  "9": "alt-svc: h3=\":443\"; ma=86400",
  "10": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=1, rtx=0, c=16, mss=1380, tbw=3828, tp=-1, tpl=-1, uplat=199, ullat=0",
  "12": "HTTP/2 200",
  "13": "vary: Accept-Encoding",
  "14": "set-cookie: csrftoken=Kx1kArm3GjzGM5AK2QG-ru; expires=Sat, 10-Apr-2027 09:15:57 GMT; Max-Age=34560000; path=/; domain=.threads.net; secure",
  "15": "accept-ch-lifetime: 4838400",
  "16": "accept-ch: viewport-width,dpr,Sec-CH-Prefers-Color-Scheme,Sec-CH-UA-Full-Version-List,Sec-CH-UA-Platform-Version,Sec-CH-UA-Model",
  "17": "reporting-endpoints: coop_report=https://www.facebook.com/browser_reporting/coop/?minimize=0",
  coep_report=https://www.facebook.com/browser_reporting/coep/?minimize=0",
  default=https://www.threads.com/ajax/barcelona_error_reports/?device_level=unknown&rsid=7614068876454921486&comet_app_key=122&cpp=C3&cv=1034621774&st=1772788557109",
  permissions_policy=https://www.threads.com/ajax/barcelona_error_reports",
  "18": "report-to:
{
  \"max_age\":2592000,\"endpoints\":[
{
  \"url\": \"https://www.facebook.com/browser_reporting/coop/?minimize=0\"
},
{
  \"url\": \"https://www.facebook.com/browser_reporting/coep/?minimize=0\"
}
],
  \"group\": \"coop_report\",
  \"include_subdomains\": true
},
{
  \"max_age\":2592000,\"endpoints\":[
{
  \"url\": \"https://www.threads.com/ajax/barcelona_error_reports/?device_level=unknown&rsid=7614068876454921486&comet_app_key=122&cpp=C3&cv=1034621774&st=1772788557109\"
}],
  \"group\": \"permissions_policy\"
},
  "19": "x-frame-options: DENY",
  "20": "content-security-policy: default-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net blob:script-src *.facebook.com *.fbcdn.net *.facebook.net 127.0.0.1:* 'nonce-0vuX0j19' blob: 'self' static.cdninstagram.com 'unsafe-eval'; style-src data: blob: 'unsafe-inline' *.fbcdn.net *.threads.com *.threads.net *.facebook.com *.instagram.com static.cdninstagram.com; connect-src *.threads.com *.threads.net wss://*.threads.com * wss://*.threads.net: *.facebook.com *.fbcdn.net *.facebook.net wss://*.facebook.com * ws://localhost: * blob: *.instagram.com *.cdninstagram.com wss://*.instagram.com: * 'self'; font-src data: static.cdninstagram.com; img-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net *.cdninstagram.com data: blob: about.fb.com engineering.fb.com *.fbx.com android-webview-video-poster: pps.whatsapp.net .oculuscdn.com *.tenor.com *.tenor.com *.giphy.com https://www.gstatic.com; media-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net *.cdninstagram.com data: blob: *.fbx.com android-webview-video-poster: *.tenor.com *.tenor.com https://www.gstatic.com; child-src *.threads.com *.threads.net *.facebook.com *.fbcdn.net *.cdninstagram.com data: blob; frame-src *.fbx.com *.fbx.com *.self; manifest-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob; object-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob; worker-src *.threads.com *.threads.net *.instagram.com *.facebook.com *.fbcdn.net data: blob; block-all-mixed-content; upgrade-insecure-requests; require-trusted-types-for 'script';",
  "21": "document-policy: force-load-at-top",
  "22": "document-policy: include-js-call-stacks-in-crash-reports",
  "23": "permissions-policy: accelerometer=(), attribution-reporting=(), autoplay=(), bluetooth=(), camera=(), ch-device-memory=(), ch-downlink=(), ch-dpr=(), ch-ect=(), ch-rtt=(), ch-save-data=(), ch-ua-arch=(), ch-ua-bitness=(), ch-viewport-height=(), ch-viewport-width=(), ch-width=(), clipboard-read=(), clipboard-write=(), compute-pressures=(), display-capture=(), encrypted-media=(), fullscreen=(), gamepad=(), geolocation=(), gyroscope=(), hid=(), idle-detection=(), interest-cohort=(), keyboard-map=(), local-fonts=(), magnetometer=(), microphone=(), midi=(), otp-credentials=(), payment=(), picture-in-picture=(), private-state-token-issuance=(), publickey-credentials-get=(), screen-wake-lock=(), serial=(), shared-storage=(), shared-storage-select-url=(), private-state-token-redemption=(), usb=(), unload=(), window-management=(), xr-spatial-tracking=(); report-to= \"permissions_policy\"",
  "24": "cross-origin-resource-policy: same-origin",
  "25": "cross-origin-embedder-policy-report-only: require-corp; report-to= \"coep_report\"",
  "26": "cross-origin-opener-policy: same-origin-allow-poppers",
  "27": "pragma: no-cache",
  "28": "cache-control: private, no-cache, no-store, must-revalidate",
  "29": "expires: Sat, 01 Jan 2000 00:00:00 GMT",
  "30": "x-content-type-options: nosniff",
  "31": "x-xss-protection: 0",
  "32": "origin-agent-cluster: ?1",
  "33": "strict-transport-security: max-age=31536000; preload; includeSubDomains",
  "34": "x-stack: www",
  "35": "content-type: text/html; charset=utf-8",
  "36": "x-fb-debug: 2EKVtPJEUf1KER+3mgdqk7f/DA3v9ywh8p5TrLpJngaDKaXeoXnKk86+hbp/AmNh0iv4g2ISZMbc9ww6anDEw==",
  "37": "date: Fri, 06 Mar 2026 09:15:57 GMT",

```

```

"38": "alt-svc: h3=\":443\"; ma=86400",
"39": "x-fb-connection-quality: EXCELLENT; q=0.9, rtt=2, rtx=0, c=16, mss=1380, tbw=3828, tp=-1, tpl=-1, uplat=232, ullat=0"
}
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.002052 0.004587
TCP Connect IPv6 → port 80	301 0.001561 0.003264
TCP Connect IPv4 → port 443	301 0.001867 0.185948
TCP Connect IPv6 → port 443	301 0.001641 0.220871

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
    
```