


# IPv6 Readiness Report

business.bofa.com — business.bofa.com

Category: Banking • Generated: 20 Apr 2026, 21:24 MYT • Last Checked: 07 Mar 2026, 01:00 MYT • Verification ID: 6f39994d-b6ba-47f2-897e-443eb61a768e

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

Audit trail: <https://ipv6.my6.my/audit/6f39994d-b6ba-47f2-897e-443eb61a768e>

 <b>Non-Compliant</b> <small>MGv6C-1.0</small>	<b>20%</b> <b>No IPv6 Support</b>	<b>IPv6-ONLY READINESS</b> Website: <b>X Not Ready</b> DNS: <b>X Not Ready</b> Email: <b>X Not Ready</b>
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IPv4 ADDRESSES
23.45.176.226
23.45.176.196

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

DNS & DNSSEC (25%) <span style="float: right;">1 / 5</span>			
#	CHECK	RESULT	DETAIL
1	<b>NS Has AAAA Record</b>	<b>FAIL</b>	No nameserver has an AAAA record.
2	<b>NS Reachable via IPv6</b>	<b>FAIL</b>	No nameserver is reachable over IPv6.
3	<b>NS Answers Queries via IPv6</b>	<b>FAIL</b>	Nameserver does not answer queries over IPv6.
4	<b>DNSSEC Validated</b>	<b>PASS</b>	DNSSEC fully validated.
5	<b>Reverse DNS (PTR)</b>	<b>FAIL</b>	No PTR record found.
6	<b>DS Record at Parent</b>	<b>PASS</b>	DS record found at parent zone.
7	<b>RRSIG Valid</b>	<b>FAIL</b>	No valid RRSIG found.
8	<b>Signing Algorithm</b>	<b>INFO</b>	No DNSKEY record found.

**Email Services** (25%) 0 / 6

#	CHECK	RESULT	DETAIL
1	<b>MX Record Exists</b>	<b>FAIL</b>	No MX record found in DNS.
2	<b>MX Server Has IPv6</b>	<b>FAIL</b>	MX server has no IPv6 address.
3	<b>SMTP Reachable via IPv6</b>	<b>FAIL</b>	SMTP is not reachable over IPv6.
4	<b>STARTTLS over IPv6</b>	<b>FAIL</b>	STARTTLS not available over IPv6.
5	<b>SPF Record</b>	<b>FAIL</b>	No SPF record found.
6	<b>DKIM Selector</b>	<b>INFO</b>	No common DKIM selector found.
7	<b>DMARC Record</b>	<b>FAIL</b>	No DMARC record found.

**IPv4 Baseline** (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	<b>A Record</b>	<b>PASS</b>	23.45.176.226, 23.45.176.196
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 521ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 286ms TTFB.

### Audit Trail & Evidence Record

Verification ID	6f39994d-b6ba-47f2-897e-443eb61a768e
Domain	business.bofa.com
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:00:09 MYT
Finished	07 Mar 2026, 01:00:15 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/6f39994d-b6ba-47f2-897e-443eb61a768e

### Integrity Verification

<b>✓ INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	ba0a171720232d195333674dd9533d81500b906416e1b427f283427ca4ae8239
http_headers	a7feb6343652ba9cd6cc9cb74de9c5f5a058f09211b8dc92268ca89eb970ad96
dns_responses	226655d95c2b2a5f59e8d9b67d6a42bfbfb59b5f1b7a929cf3b8b0ba4a9d465c
tls_handshake	7d5be1c5241698a9b4c51ba6b03b49cf62a181c3aec57718c2ad0c2dfb8c73a6
connectivity_log	b08ad4476155f6338aff65041c444d9cb3eda6a6b74b0cef577b7a9c84219061
dns_resolution_times	5e74e8d24fc63caced89127e825101a5e2558e7855cc2a8a21490e9b11963a79

### 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	-
Server Ipv6	-

### 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	21.17	24.84	20.88	20.91	-0.3
Google	IPv4	26.93	30.94	28.8	47.18	+1.9
Google	IPv6	20.78	29.43	17.39	29.68	-3.4
Cloudflare	IPv4	26.2	29.55	22.12	26.5	-4.1
Cloudflare	IPv6	12.35	29.33	22.25	31.74	+9.9



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 12841
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
business.bofa.com. 228 IN CNAME about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 504 IN CNAME e205394.a.akamaiedge.net.
e205394.a.akamaiedge.net. 20 IN A 23.45.176.226
e205394.a.akamaiedge.net. 20 IN A 23.45.176.196
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 51006
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
business.bofa.com. 322 IN CNAME about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 308 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net. 1000 IN SOA n0a.akamaiedge.net. hostmaster.akamai.com. 1772787612 1000 1000 1000 1800
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 34809
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
business.bofa.com. 600 IN CNAME about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 18 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net. 1000 IN SOA n0a.akamaiedge.net. hostmaster.akamai.com. 1772787612 1000 1000 1000 1800
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 43166
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
business.bofa.com. 249 IN CNAME about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 549 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net. 1000 IN SOA n0a.akamaiedge.net. hostmaster.akamai.com. 1772787612 1000 1000 1000 1800
```

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 19119
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
business.bofa.com. 228 IN CNAME about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 504 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net. 1000 IN SOA n0a.akamaiedge.net. hostmaster.akamai.com. 1772787612 1000 1000 1000 1800
```

### AAAA

```
;; Got answer:
```

```
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 43614
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
business.bofa.com. 249 IN CNAME about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 549 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net. 1000 IN SOA n0a.akamaiedge.net. hostmaster.akamai.com. 1772787612 1000 1000 1000 1800
```

## RRSIG

```
about.bankofamerica.com.edgekey.net.
CNAME 8 3 600 20260311040540 20260301030629 33318 bofa.com. RnR4DI0GPDD+0XN6cXUDWKS6wijB6mBX0GYx2JGqpNmms+wHMTv0dbN
pz70Fd5V9oH54qibn5IUCSJHnau4nWCQ5HncR3ML571WMyRmcwvA2H90 ZjgRNQcrj7J8w/KgSMB1pw9FJT02u3U70VPT6Z0loseV05mKeTZzkc0n gLU=
e205394.a.akamaiedge.net.
```

## DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 18848
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
business.bofa.com. 228 IN CNAME about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 504 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net. 1000 IN SOA n0a.akamaiedge.net. hostmaster.akamai.com. 1772787612 1000 1000 1000 1800
```

## DNSSEC\_VALIDATION

```
;; resolution failed: ncache nxrrset
; fully validated
business.bofa.com. 94 IN CNAME about.bankofamerica.com.edgekey.net.
business.bofa.com. 94 IN RRSIG CNAME 8 3 600 20260311040540 20260301030629 33318 bofa.com. RnR4DI0GPDD+0XN6cXUDWKS6wijB6mBX0GYx2JGqpNmms+wHMTv0dbN
pz70Fd5V9oH54qibn5IUCSJHnau4nWCQ5HncR3ML571WMyRmcwvA2H90 ZjgRNQcrj7J8w/KgSMB1pw9FJT02u3U70VPT6Z0loseV05mKeTZzkc0n gLU=

; unsigned answer
about.bankofamerica.com.edgekey.net. 900 IN CNAME e205394.a.akamaiedge.net.
; e205394.a.akamaiedge.net. 997 IN -SOA; -$NXRRSET
; a.akamaiedge.net. SOA n0a.akamaiedge.net. hostmaster.akamai.com. 1772787610 1000 1000 1000 1800
```





```

Mk/y1fLAGZnxVraj8Gw21+vgzruFSYQ2D4iWKm6d23rdlm0LAN1t3rmg9FI0u8Ts
L8ChdE3sIY7jIR367vS7RWX3Dccu7JeNE5FhG6xY6DxBTmFLRehLRnPPbKvGAUB0
z0ABMm40mgZJDxoAhCo53kFgfqNTFS1GcPG3c9nFmw==
-----END CERTIFICATE-----
1 s:C = US, 0 = DigiCert Inc, CN = DigiCert EV RSA CA G2
i:C = US, 0 = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Jul  2 12:42:50 2020 GMT; NotAfter: Jul  2 12:42:50 2030 GMT
-----BEGIN CERTIFICATE-----
MIIFPDCCBCSgAwIBAgIQAwEPH++IIlXYSKc0a3uyIDANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQLEExB3
d3cuZGlnaWNaWmNlcuY29tMSAwHgYDQDExdEaWdpQ2VydCBHbG9iYWwUm9vdCBH
MjAeFw0yMDA3MDIxMjQyNTBhFw0zMDA3MDIxMjQyNTBhMEQxCzAJBgNVBAYTALVT
MRUwEwYDVQKExwEaWdpQ2VydCBJbmMxHjAcBgNVBAMTFURpZ2lDZXJ0IEVWIFJT
QSBDOQBHMjCCASIDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAK0eZsx/neTr
f4MXJz0R2fJTIDfn8AwJAU7hy4gI0vp708LAAHx2h3bbf8wL+pGMSxaJK9fDDCD
63FqfBqE9eTmo3RkgQhLu55a04LsXRLcK6crk000dj donybmhrfGrTBqYvbRat
xenkv0Sg4frhRl4wYh4dnW0L0VRGhbt1G5Q19zm9CqMlq7LlUdAE+6d3a5++ppfG
cnWlmbEVEcLHPAnbL+/iKauQpQUl1Mi+wEBnjE5tK8Q778naXnF+DsedQJ7NEi+b
QoonTHEz9ryeEcUHuQTv7nApa/zCqes5LXn1pMs4LZJ35VgkTLj+RbBov/uiwTX
tkBEWawvZH8CAwEAAoCAGswggIHMB0GA1UdDgQWBRRqTLC/mGidW3sgddRZAXLI
ZpIyBjAfbgNVHSMEDAwgBR0ILQgGJXm427mD/r6uRLtBhePOTA0BgNVHQ8BAf8E
BAMCAYYwHQYDVR0LBBYwFAYIKwYBBQUHAECCsGAQUBwMCMBIGA1UdEwEB/wQI
MAYBAf8CAQAwNAYIKwYBBQUHAQEEDAmMCQGCCsGAQUBzABhhodHRwOi8vb2Nz
cC5kaWdpY2VydC5jb20wewYDVR0fBHQwcjA3oDWgM4YxaHR0cDovL2NybdMuZGln
aWNaWmNlcuY29tL0RrZ2lDZXJ0R2xvYmFsUm9vdEcyLmNybdA3oDWgM4YxaHR0cDov
L2NybdQuZGlnaWNaWmNlcuY29tL0RrZ2lDZXJ0R2xvYmFsUm9vdEcyLmNybdCBzYD
VR0gBIGHMIHDIHABgRVHSAAMIg3MCgGCCsGAQUBwIBFhxodHRwczovL3d3dy5k
aWdpY2VydC5jb20vQ1BTMIGKggRbgEFBQcCAjB+DHxBbnkgdXNlIG9mIHRoaXMg

```



HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	23.45.176.196
Connect Time	4.54 ms
TTFB	430.19 ms
Total Time	430.3 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Content-Length: 0",
  "2": "Location: https://business.bofa.com/",
  "3": "Date: Fri, 06 Mar 2026 09:00:14 GMT",
  "4": "Connection: keep-alive",
  "5": "Set-Cookie: FPID=c014793a-9dc2-40ef-8540-04881b12bbef;exp=1807347614; expires=Sat, 10-Apr-2027 09:00:14 GMT; path=/; domain=.bofa.com; secure; HttpOnly; SameSite=Lax",
  "6": "Set-Cookie: FPID_CLIENT=c014793a-9dc2-40ef-8540-04881b12bbef; expires=Sat, 10-Apr-2027 09:00:14 GMT; path=/; domain=.bofa.com; secure; SameSite=Lax",
  "7": "X-BAC-AKM-C: ON",
  "9": "HTTP/2 301",
  "10": "content-type: text/html; charset=iso-8859-1",
  "11": "content-length: 263",
  "12": "x-frame-options: SAMEORIGIN",
  "13": "x-frame-options: SAMEORIGIN",
  "14": "Location: https://business.bofa.com/content/boaml/en_us/home.html",
  "15": "cache-control: no-cache, no-store, max-age=0",
  "16": "expires: Mon, 09 Dec 1996 16:00:00 GMT",
  "17": "x-ua-compatible: IE=Edge",
  "18": "x-xss-protection: 1; mode=block",
  "19": "pragma: no-cache",
  "20": "access-control-allow-credentials: true",
  "21": "x-content-type-options: nosniff",
  "22": "date: Fri, 06 Mar 2026 09:00:14 GMT",
  "23": "set-cookie: FPID=7d1cbaae-d847-4f66-8d9f-86879a007c90;exp=1807347614; expires=Sat, 10-Apr-2027 09:00:14 GMT; path=/; domain=.bofa.com; secure; HttpOnly; SameSite=Lax",
  "24": "set-cookie: FPID_CLIENT=7d1cbaae-d847-4f66-8d9f-86879a007c90; expires=Sat, 10-Apr-2027 09:00:14 GMT; path=/; domain=.bofa.com; secure; SameSite=Lax",
  "25": "strict-transport-security: max-age=31536000",
  "26": "x-bac-akm-c: ON",
  "28": "HTTP/2 200",
  "29": "content-type: text/html; charset=UTF-8",
  "30": "x-frame-options: SAMEORIGIN",
  "31": "x-frame-options: SAMEORIGIN",
  "32": "content-security-policy: default-src 'self' data: blob; script-src 'self' 'sha256-PDCh5VeDfe/iHIJExhXDGkYK4CPkmuHfMskNGTun5U=' 'sha256-tGCAY79zMW94DgRaBsZosm/7cizDEgokLj0wt18lCGk=' 'sha256-Moqq3U+rgUW0c5F6kpcB8jsALUY7x0EgDa74XS0mLj4=' 'nonce-onetrust-style' 'nonce-rAnd0m' https: data: blob: *.baml.com *.ml.com *.merrilledge.com *.bankofamerica.com *.bofa.com www.merrill.com vjs.zencdn.net bofa.demdex.net tags.tiqcdn.com bcbolt446c5271-a.akamaihd.net hlsak-a.akamaihd.net bankofamerica.tt.omtrdc.net testdata.coremetrics.com analytics.twitter.com twitter.com www.facebook.com www.linkedin.com dc.ads.linkedin.com maps.googleapis.com fonts.googleapis.com 1359940.fl.doubleclick.net googleads.g.doubleclick.net stats.g.doubleclick.net adservice.google.com www.youtube.com www.google-analytics.com c.betrad.com www.googletagmanager.com api.company-target.com insight.adsrvr.org test.salesforce.com login.salesforce.com d.agkn.com znczxiczndmh7vpb-bankofamerica.siteintercept.qualtrics.com zn78njubwkodhg8ht-bankofamerica.siteintercept.qualtrics.com cdn.cookieiaw.org geolocation.onetrust.com www.knotch-cdn.com units.knotch.it aq-sp-api.knotch.it; font-src 'self' https: *.bankofamerica.com *.bofa.com *.bac-assets.com *.ml.com vjs.zencdn.net *.ml.com fonts.gstatic.com fonts.googleapis.com data:; style-src 'self' 'sha256-z3bpeRnijmDUWtkq+L2MmU0dKSQsB3G8SKmF6wceKp0=' 'sha256-r0h44250Gt1U0iKgpZdafa+GP2RjQcXbtGNShXJm/9A=' 'sha256-LZZACT0dk8/R90LF8Zp5WziYyPh3i0LrflNonIUG2PY=' 'sha256-KxdIAY0X65VjqzYmz0Mb2p3/HcFIDzTvzevWJXboFU=' 'nonce-rAnd0m' 'nonce-onetrust-style' *.bankofamerica.com *.bofa.com *.bac-assets.com *.ml.com tags.tiqcdn.com cdn.cookieiaw.org cdnapisec.kaltura.com analytics.kaltura.com cfvod.kaltura.com fonts.googleapis.com; frame-src 'self' *.bankofamerica.com *.bofa.com *.bac-assets.com *.ml.com td.doubleclick.net www.googletagmanager.com 1359940.fl.doubleclick.net insight.adsrvr.org ct.pinterest.com match.adsrvr.org tr.snapchat.com www.knotch-cdn.com units.knotch.it aq-sp-api.knotch.it; connect-src 'self' *.bankofamerica.com *.bofa.com *.bac-assets.com *.ml.com cdn.cookieiaw.org www.googleadservices.com www.google.com www.googletagmanager.com geolocation.onetrust.com privacyportal-bofa.my.onetrust.com www.google-analytics.com cdnapisec.kaltura.com analytics.kaltura.com cfvod.kaltura.com maps.googleapis.com bat.bing.com insight.adsrvr.org ct.pinterest.com znczxiczndmh7vpb-bankofamerica.siteintercept.qualtrics.com zn78njubwkodhg8ht-bankofamerica.siteintercept.qualtrics.com adobedc.demdex.net www.knotch-cdn.com units.knotch.it aq-sp-api.knotch.it pixel-config.reddit.com www.redditstatic.com conversions-config.reddit.com tr.snapchat.com api.company-target.com; worker-src 'self' blob; media-src 'self' blob: *.baml.com *.ml.com *.merrilledge.com *.bac-assets.com *.bankofamerica.com *.bofa.com cdnapisec.kaltura.com analytics.kaltura.com cfvod.kaltura.com data:; img-src 'self' *.baml.com *.ml.com *.merrilledge.com *.bac-assets.com *.bankofamerica.com *.bofa.com data: bat.bing.com googleads.g.doubleclick.net www.google.com cdn.cookieiaw.org ad.doubleclick.net www.googletagmanager.com cdnapisec.kaltura.com analytics.kaltura.com cfvod.kaltura.com cdnsecakmi.kaltura.com alb.reddit.com maps.gstatic.com maps.googleapis.com;",
  "33": "last-modified: Fri, 06 Mar 2026 05:01:09 GMT",
  "34": "etag: \"3b2c5-64c53f10e918-gzip\"",
  "35": "x-ua-compatible: IE=Edge",
  "36": "x-xss-protection: 1; mode=block",
  "37": "access-control-allow-credentials: true",
  "38": "x-content-type-options: nosniff",
  "39": "x-ua-compatible: IE=Edge",
  "40": "expires: Fri, 06 Mar 2026 09:00:14 GMT",
  "41": "cache-control: max-age=0, no-cache, no-store",
  "42": "pragma: no-cache",
  "43": "date: Fri, 06 Mar 2026 09:00:14 GMT",
}
```

```

"44": "set-cookie: BIGipServerpool_about.bankofamerica.com_8443=!/+2r9IcN2EMF5B8XJP0ukTWD6KciQBiuXELUlnLVP6SEhI/Jg5jDhJP0FvLL9qzXImfbMhtqJsgXQ==; path=/;
HttpOnly; Secure",
"45": "set-cookie: FPID=e8bfda8f-67aa-4ee9-b59e-f0fffeacc3cd:exp=1807347614; expires=Sat, 10-Apr-2027 09:00:14 GMT; path=/; domain=.bofa.com; secure; HttpOnly;
SameSite=Lax",
"46": "set-cookie: FPID_CLIENT=e8bfda8f-67aa-4ee9-b59e-f0fffeacc3cd; expires=Sat, 10-Apr-2027 09:00:14 GMT; path=/; domain=.bofa.com; secure; SameSite=Lax",
"47": "strict-transport-security: max-age=31536000",
"48": "x-bac-akm-c: ON"
}
    
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	23.45.176.226
Connect Time	0.82 ms
TTFB	281.22 ms
Total Time	281.31 ms

Response Headers:

```

{
  "0": "HTTP/2 301",
  "1": "content-type: text/html; charset=iso-8859-1",
  "2": "content-length: 263",
  "3": "x-frame-options: SAMEORIGIN",
  "4": "x-frame-options: SAMEORIGIN",
  "5": "location: https://business.bofa.com/content/boam/en_us/home.html",
  "6": "cache-control: no-cache, no-store, max-age=0",
  "7": "expires: Mon, 09 Dec 1996 16:00:00 GMT",
  "8": "x-ua-compatible: IE=Edge",
  "9": "x-xss-protection: 1; mode=block",
  "10": "pragma: no-cache",
  "11": "access-control-allow-credentials: true",
  "12": "x-content-type-options: nosniff",
  "13": "date: Fri, 06 Mar 2026 09:00:15 GMT",
  "14": "set-cookie: FPID=59d68513-eea8-42ba-87fa-4faf8e8b5ed5:exp=1807347615; expires=Sat, 10-Apr-2027 09:00:15 GMT; path=/; domain=.bofa.com; secure; HttpOnly;
SameSite=Lax",
  "15": "set-cookie: FPID_CLIENT=59d68513-eea8-42ba-87fa-4faf8e8b5ed5; expires=Sat, 10-Apr-2027 09:00:15 GMT; path=/; domain=.bofa.com; secure; SameSite=Lax",
  "16": "strict-transport-security: max-age=31536000",
  "17": "x-bac-akm-c: ON",
  "19": "HTTP/2 200",
  "20": "content-type: text/html; charset=UTF-8",
  "21": "x-frame-options: SAMEORIGIN",
  "22": "x-frame-options: SAMEORIGIN",
  "23": "content-security-policy: default-src 'self' data: blob;; script-src 'self' 'sha256-PDCh5VeDfe/iHIJExhXDgKYK4CPkmuHfMskENGtun5U=' 'sha256-
t6CAy792M94DgRaBsZosm/7cizDEgOkLjOwtl8lCGk=' 'sha256-Moqg3U+rgUW0c5F6kpcB8jsALUY7xQEGdA74XS0mLj4=' 'nonce-onetrust-style' 'nonce-rAnd0m' https: data: blob:
*.bam.com *.ml.com *.merrilledge.com *.bankofamerica.com *.bofa.com www.merrill.com vjs.zencdn.net bofa.demdex.net tags.tiqcdn.com bcbolt446c5271-a.akamaihd.net
hlsak-a.akamaihd.net bankofamerica.tt.omtrdc.net testdata.coremetrics.com analytics.twitter.com twitter.com www.facebook.com www.linkedin.com dc.ads.linkedin.com
maps.googleapis.com fonts.googleapis.com 1359940.fls.doubleclick.net googleads.g.doubleclick.net stats.g.doubleclick.net adservice.google.com www.youtube.com
www.google-analytics.com c.betrad.com www.googletagmanager.com api.company-target.com insight.adsrvr.org test.salesforce.com login.salesforce.com d.agkn.com
znczuxicndmh7vpb-bankofamerica.siteintercept.qualtrics.com zn78njubwkodhg8ht-bankofamerica.siteintercept.qualtrics.com cdn.cookieiaw.org geolocation.onetrust.com
www.knotch-cdn.com units.knotch.it aq-sp-api.knotch.it; font-src 'self' https: *.bankofamerica.com *.bofa.com *.bac-assets.com *.ml.com vjs.zencdn.net *.ml.com
fonts.gstatic.com fonts.googleapis.com data;; style-src 'self' 'sha256-z3bpeRnijmdUWtkq+L2MmU0dKSQsB3G85Kmf6wEKP0=' 'sha256-
r0h4425Gt1U0iKpZdfaA+GP2RjQcXbTGNShXJm/9A=' 'sha256-yopbChar2g/zfB7hKK6YnWdKEFSVz6xoQoLkGqRgv4=' 'sha256-KxdIAY0X65VjzqYmZ0Mb2p3/HcFDIzTvzevJXBoFU=' 'nonce-
rAnd0m' 'nonce-onetrust-style' *.bankofamerica.com *.bofa.com *.bac-assets.com *.ml.com tags.tiqcdn.com cdn.cookieiaw.org cdnapisec.kaltura.com analytics.kaltura.com
cfvod.kaltura.com fonts.googleapis.com; frame-src 'self' *.bankofamerica.com *.bofa.com *.bac-assets.com *.ml.com td.doubleclick.net www.googletagmanager.com
1359940.fls.doubleclick.net insight.adsrvr.org ct.pinterest.com match.adsrvr.org tr.snapchat.com www.knotch-cdn.com units.knotch.it aq-sp-api.knotch.it; connect-src
'self' *.bankofamerica.com *.bofa.com *.bac-assets.com *.ml.com cdn.cookieiaw.org www.googleadservices.com www.google.com www.googletagmanager.com
geolocation.onetrust.com privacyportal-bofa.my.onetrust.com www.google-analytics.com cdnapisec.kaltura.com analytics.kaltura.com cfvod.kaltura.com
maps.googleapis.com bat.bing.com insight.adsrvr.org ct.pinterest.com znczuxicndmh7vpb-bankofamerica.siteintercept.qualtrics.com zn78njubwkodhg8ht-
bankofamerica.siteintercept.qualtrics.com adobedc.demdex.net www.knotch-cdn.com units.knotch.it aq-sp-api.knotch.it pixel-config.reddit.com www.redditstatic.com
conversions-config.reddit.com tr.snapchat.com api.company-target.com; worker-src 'self' blob;; media-src 'self' blob: *.bam.com *.ml.com *.merrilledge.com *.bac-
assets.com *.bankofamerica.com *.bofa.com cdnapisec.kaltura.com analytics.kaltura.com cfvod.kaltura.com data;; img-src 'self' *.bam.com *.ml.com *.merrilledge.com
*.bac-assets.com *.bankofamerica.com *.bofa.com data: bat.bing.com googleads.g.doubleclick.net www.google.com cdn.cookieiaw.org ad.doubleclick.net
www.googletagmanager.com cdnapisec.kaltura.com analytics.kaltura.com cfvod.kaltura.com cdnsecakmi.kaltura.com alb.reddit.com maps.gstatic.com maps.googleapis.com";
  "24": "last-modified: Fri, 06 Mar 2026 05:00:56 GMT",
  "25": "etag: \"3b2c8-64c53f03fcd26-gzip\"",
  "26": "x-ua-compatible: IE=Edge",
  "27": "x-xss-protection: 1; mode=block",
  "28": "access-control-allow-credentials: true",
  "29": "x-content-type-options: nosniff",
  "30": "x-ua-compatible: IE=Edge",
  "31": "expires: Fri, 06 Mar 2026 09:00:15 GMT",
  "32": "cache-control: max-age=0, no-cache, no-store",
  "33": "pragma: no-cache",
  "34": "date: Fri, 06 Mar 2026 09:00:15 GMT",
  "35": "set-cookie: BIGipServerpool_about.bankofamerica.com_8443=!/7PH31HBM1f0YecXJP0ukTWD6KciQAI1RANI4Wvyvz0dSg4ZVbeo3XZq5pwj6sqNkWdthQuZuLq9w==; path=/;
HttpOnly; Secure",
}
    
```

```

"36": "set-cookie: FPID=6599c989-c31f-4952-80df-f9cd7b9283bc;exp=1807347615; expires=Sat, 10-Apr-2027 09:00:15 GMT; path=/; domain=.bofa.com; secure; HttpOnly; SameSite=Lax",
"37": "set-cookie: FPID_CLIENT=6599c989-c31f-4952-80df-f9cd7b9283bc; expires=Sat, 10-Apr-2027 09:00:15 GMT; path=/; domain=.bofa.com; secure; SameSite=Lax",
"38": "strict-transport-security: max-age=31536000",
"39": "x-bac-akm-c: ON"
    }
    
```

**Connectivity Test Evidence**

Test	Result
TCP Connect IPv4 → port 80	301 0.001548 0.008885
TCP Connect IPv4 → port 443	301 0.001826 0.196357

**Test Node Network Evidence**

Node Profile	dual stack
--------------	------------

**Egress Connectivity**

IPv4 Egress	unreachable
IPv6 Egress	unreachable

**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
    
```