IPv6 Readiness Report

business.bofa.com — business.bofa.com

Scan to verify

Category: Banking • Generated: 02 Nov 2026, 02:53 MYT • Last Checked: 08 Aug 2026, 18:01 MYT • Verification ID: f15bbe9e-b7d8-4383-ae05-ca7fc506791a
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/f15bbe9e-b7d8-4383-ae05-ca7fc506791a

✗

Non-Compliant

MGv6C-1.0

20%

No IPv6 Support

IPV6-ONLY READINESS

Website: ✗ **Not Ready**

DNS: ✗ **Not Ready**

Email: ✗ **Not Ready**

IPV4 ADDRESSES

23.62.212.197
23.62.212.195

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%) — 1 / 5

#	CHECK	RESULT	DETAIL
1	**NS Has AAAA Record**	FAIL	No nameserver has an AAAA record.
2	**NS Reachable via IPv6**	FAIL	No nameserver is reachable over IPv6.
3	**NS Answers Queries via IPv6**	FAIL	Nameserver does not answer queries over IPv6.
4	**DNSSEC Validated**	PASS	DNSSEC fully validated.
5	**Reverse DNS (PTR)**	FAIL	No PTR record found.
6	**DS Record at Parent**	PASS	DS record found at parent zone.
7	**RRSIG Valid**	FAIL	No valid RRSIG found.

#	CHECK	RESULT	DETAIL
8	**Signing Algorithm**	INFO	No DNSKEY record found.

Email Services (25%) — 0 / 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**	FAIL	No 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	23.62.212.197, 23.62.212.195
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4 — 1305ms TTFB.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4 — 590ms TTFB.

Audit Trail & Evidence Record

Verification ID	f15bbe9e-b7d8-4383-ae05-ca7fc506791a
Domain	business.bofa.com
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:01:19 MYT
Finished	08 Aug 2026, 18:01:27 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/f15bbe9e-b7d8-4383-ae05-ca7fc506791a

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	f578348ba3f6962b20127e349794aff07d71a2e22b82152f7dcabcaf372cfe87
http_headers	02c944008b79eca03174231ecf62beb9143f23dfdc090d75e70e26c785734b28
dns_responses	3ea231ba93b01ff8af0b8965473b05b023275b6f74c3c9d05709f5d2fe0cab65
tls_handshake	c4b88f2ae4d71645c13fdf47369bbbb0ae50bf7dcfe939627b637795a59ccdf2
connectivity_log	8155500f4c8913bd7b3653b033b57fde9cca7a2903732aff0596ef3abc673607
dns_resolution_times	5e65b25424d03f2d44897eac130db9bb3100e904cd165441bcf2a4c1a36b6348

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	27.14	28.49	24.5	27.23	-2.6
Google	IPv4	96.46	219.05	158.46	173.88	+62
Google	IPv6	159.72	162.22	112.82	156.04	-46.9
Cloudflare	IPv4	21.38	27.77	22.92	29.81	+1.5
Cloudflare	IPv6	21.25	41.74	21.46	28.45	+0.2

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 47606
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
business.bofa.com.␣454␣IN␣CNAME␣about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 755 IN CNAME e205394.a.akamaiedge.net.
e205394.a.akamaiedge.net. 20␣IN␣A␣23.45.176.196
e205394.a.akamaiedge.net. 20␣IN␣A␣23.45.176.226
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 5278
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
business.bofa.com.␣454␣IN␣CNAME␣about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 755 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net.␣858␣IN␣SOA␣n0a.akamaiedge.net. hostmaster.akamai.com. 1786183141 1000 1000 1000 1800
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 31810
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
business.bofa.com.␣454␣IN␣CNAME␣about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 755 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net.␣858␣IN␣SOA␣n0a.akamaiedge.net. hostmaster.akamai.com. 1786183141 1000 1000 1000 1800
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 52542
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
business.bofa.com.␣454␣IN␣CNAME␣about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 755 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net.␣858␣IN␣SOA␣n0a.akamaiedge.net. hostmaster.akamai.com. 1786183141 1000 1000 1000 1800
```

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 33987
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
business.bofa.com.␣454␣IN␣CNAME␣about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 755 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net.␣858␣IN␣SOA␣n0a.akamaiedge.net. hostmaster.akamai.com. 1786183141 1000 1000 1000 1800
```

AAAA

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 50885
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
business.bofa.com.␣454␣IN␣CNAME␣about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 755 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net.␣858␣IN␣SOA␣n0a.akamaiedge.net. hostmaster.akamai.com. 1786183141 1000 1000 1000 1800
```

RRSIG

```
about.bankofamerica.com.edgekey.net.
CNAME 8 3 600 20260811020314 20260801015814 46009 bofa.com. m5Ut/T0BH3Czn5kSl4FvQ57vk3g+0qg7kFA2t3VLSe+W8umIKRL+b1E/
rMCcQLwr5RnAQzY7p1Kq2Bm9Qr6eqH8mTqYP1ILp03E/qhM3Igtmcait oEnrTak3VnLjIaLqGy0J4qkbZKiXljfMiW1QSLZzDmPe1Z1ChvsCqPHO 9Kw=
e205394.a.akamaiedge.net.
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 6217
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
business.bofa.com.␣454␣IN␣CNAME␣about.bankofamerica.com.edgekey.net.
about.bankofamerica.com.edgekey.net. 755 IN CNAME e205394.a.akamaiedge.net.

;; AUTHORITY SECTION:
a.akamaiedge.net.␣858␣IN␣SOA␣n0a.akamaiedge.net. hostmaster.akamai.com. 1786183141 1000 1000 1000 1800
```

DNSSEC_VALIDATION

```
;; resolution failed: ncache nxrrset
; fully validated
business.bofa.com.␣454␣IN␣CNAME␣about.bankofamerica.com.edgekey.net.
business.bofa.com.␣454␣IN␣RRSIG␣CNAME 8 3 600 20260811020314 20260801015814 46009 bofa.com. m5Ut/T0BH3Czn5kSl4FvQ57vk3g+0qg7kFA2t3VLSe+W8umIKRL+b1E/
rMCcQLwr5RnAQzY7p1Kq2Bm9Qr6eqH8mTqYP1ILp03E/qhM3Igtmcait oEnrTak3VnLjIaLqGy0J4qkbZKiXljfMiW1QSLZzDmPe1Z1ChvsCqPHO 9Kw=

; unsigned answer
about.bankofamerica.com.edgekey.net. 755 IN CNAME e205394.a.akamaiedge.net.
; e205394.a.akamaiedge.net. 858␣IN␣\-SOA␣;-$NXRRSET
; a.akamaiedge.net. SOA n0a.akamaiedge.net. hostmaster.akamai.com. 1786183141 1000 1000 1000 1800
```

TLS Handshake Evidence

IPV4 Connection

IP Used	23.62.212.197
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 EV RSA CA G2
verify return:1
depth=0 jurisdictionC = US, jurisdictionST = Delaware, businessCategory = Private Organization, serialNumber = 2927442, C = US, ST = North Carolina, L = Charlotte, O
= Bank of America Corporation, CN = about.bankofamerica.com
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:jurisdictionC = US, jurisdictionST = Delaware, businessCategory = Private Organization, serialNumber = 2927442, C = US, ST = North Carolina, L = Charlotte, O =
Bank of America Corporation, CN = about.bankofamerica.com
   i:C = US, O = DigiCert Inc, CN = DigiCert EV RSA CA G2
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Jan  7 00:00:00 2026 GMT; NotAfter: Feb  7 23:59:59 2027 GMT
-----BEGIN CERTIFICATE-----
MIILKzCCChOgAwIBAgIQBllbF36v5fxVH/0ZZ4NiKzANBgkqhkiG9w0BAQsFADBE
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMR4wHAYDVQQDExVE
aWdpQ2VydCBFViBSU0EgQ0EgRzIwHhcNMjYwMTA3MDAwMDAwWhcNMjcwMjA3MjM1
OTU5WjCB4zETMBEGCysGAQQBgjc8AgEDEwJVUzEZMBcGCysGAQQBgjc8AgECEwhE
ZWxhd2FyZTEdMBsGA1UEDwwUUHJpdmF0ZSBPcmdhbml6YXRpb24xEDAOBgNVBAUT
BzI5Mjc0NDIxCzAJBgNVBAYTAlVTMRcwFQYDVQQIEw5Ob3J0aCBDYXJvbGluYTES
MBAGA1UEBxMJQ2hhcmxvdHRlMSQwIgYDVQQKExtCYW5rIG9mIEFtZXJpY2EgQ29y
cG9yYXRpb24xIDAeBgNVBAMTF2Fib3V0LmJhbmtvZmFtZXJpY2EuY29tMIIBIjAN
BgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAk9BgTEPKcr5kAmtwtdzN54VVx+p/
fC3KoiWfItaMMpNj8d3p5sE5NEofJDG61SROW9samij5u2pqdZyxo0nFG21LZnI3
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64MsoUR3sgYucMOmvIBBY4wLtev97Y+akPo2SUl+CmE6WkzdhARADDl+LpeKX7N9
et8xG58FBb+T/8d4YqOEp2QbjxELhwOntqi7we6SIkcGjvaa5O16QWjUeQIDAQAB
o4IHdzCCB3MwHwYDVR0jBBgwFoAUak5Qv5honVt7IHXUWQF5SGaSMgYwHQYDVR0O
BBYEFKfpSSyyYtxWhnaclfeRBS8X6//UMIIEOQYDVR0RBIIEMDCCBCyCF2Fib3V0
LmJhbmtvZmFtZXJpY2EuY29tggliYS5tbC5jb22CFmJhbWwuYmFua29mYW1lcmlj
YS5jb22CHGJhbmthdHdvcmsuYmFua29mYW1lcmljYS5jb22CI2JldHRlcm1vbmV5
aGFiaXRzLmJhbmtvZmFtZXJpY2EuY29tghpidXNpbmVzcy5iYW5rb2ZhbWVyaWNh
LmNvbYIRYnVzaW5lc3MuYm9mYS5jb22CFWVlcy5iYW5rb2ZhbWVyaWNhLmNvbYIe
ZW1wbG95ZWVpbmZvLmJhbmtvZmFtZXJpY2EuY29tgiBoZWFsdGhhY2NvdW50cy5i
YW5rb2ZhbWVyaWNhLmNvbYIeaG9tZWxvYW5oZWxwLmJhbmtvZmFtZXJpY2EuY29t
ghtpbWFnZXMuZW0uYmFua29mYW1lcmljYS5jb22CFmluZm8uYmFua29mYW1lcmlj
YS5jb22CG2luc3RpdHV0ZS5iYW5rb2ZhbWVyaWNhLmNvbYIXbG9hbnMuYmFua29m
YW1lcmljYS5jb22CGW1jb2VhcHAuYmFua29mYW1lcmljYS5jb22CGW1lc3NhZ2Uu
YmFua29mYW1lcmljYS5jb22CHm1vYmlsZXdhbGxldC5iYW5rb2ZhbWVyaWNhLmNv
bYIZbXVzZXVtcy5iYW5rb2ZhbWVyaWNhLmNvbYIWb2ZmZXJzLm1lcnJpbGxlZGdl
LmNvbYIYb25saW5lLmJhbmtvZmFtZXJpY2EuY29tgh1wZXJzb25hbGl6ZS5iYW5r
b2ZhbWVyaWNhLmNvbYIgcHJlZmVyZW5jZXMuZW0uYmFua29mYW1lcmljYS5jb22C
F3Byb21vLmJhbmtvZmFtZXJpY2EuY29tghxwcm9tb3Rpb25zLmJhbmtvZmFtZXJp
Y2EuY29tghVyZWQuYmFua29mYW1lcmljYS5jb22CCXJnLm1sLmNvbYIZdXRpbGl0
eS5iYW5rb2ZhbWVyaWNhLmNvbYIUdXguYmFua29mYW1lcmljYS5jb22CCXdiLm1s
LmNvbYIad29ya3BsYWNlaW5zaWdodHMuYm9mYS5jb22CFnd3dy5iYW1sY2xpZW50
Y29uZi5jb22CEnd3dy5iYW1sZXZlbnRzLmNvbYIUd3d3LmJhbWxpbnNpZ2h0cy5j
b22CF3d3dy5iYW5rb2ZhbWVyaWNhLmNvLmlkghl3d3cuYmV0dGVybW9uZXloYWJp
dHMuY29tghJ3d3cuYm9mYS1pbmRpYS5jb22CEnd3dy5ib2ZhZXZlbnRzLmNvbYIO
d3d3LmJvZmFtbC5jb22CDXd3dy5sb2Fucy5jb22CEHd3dy5tbC1pbmRpYS5jb22C
E3d3dy5zYXZlaXR1c2VpdC5jb22CH3d3dy51c2NvbnN1bWVycHJpdmFjeXBvbGlj
eS5jb20wSgYDVR0gBEMwQTALBglghkgBhv1sAgEwMgYFZ4EMAQEwKTAnBggrBgEF
BQcCARYbaHR0cDovL3d3dy5kaWdpY2VydC5jb20vQ1BTMA4GA1UdDwEB/wQEAwIF
oDAdBgNVHSUEFjAUBggrBgEFBQcDAQYIKwYBBQUHAwIwdQYDVR0fBG4wbDA0oDKg
MIYuaHR0cDovL2NybDMuZGlnaWNlcnQuY29tL0RpZ2lDZXJ0RVZSU0FDQUcyLmNy
bDA0oDKgMIYuaHR0cDovL2NybDQuZGlnaWNlcnQuY29tL0RpZ2lDZXJ0RVZSU0FD
QUcyLmNybDBzBggrBgEFBQcBAQRnMGUwJAYIKwYBBQUHMAGGGGh0dHA6Ly9vY3Nw
LmRpZ2ljZXJ0LmNvbTA9BggrBgEFBQcwAoYxaHR0cDovL2NhY2VydHMuZGlnaWNl
cnQuY29tL0RpZ2lDZXJ0RVZSU0FDQUcyLmNydDAMBgNVHRMBAf8EAjAAMIIBfQYK
KwYBBAHWeQIEAgSCAW0EggFpAWcAdgBMY9yY5Zwdq4j2Hoo93q6Pq0SjN3tfm5TD
+6Gc/MG+JgAAAZuajMmNAAAEAwBHMEUCIG51vu7ahFlWCv9f8BEoQNX/XnvxxkaR
zDilGQd/4OhnAiEA7y/9FWj/EGgb+puTYU9fgWK1MuIwvtNs/W/JvQqXMSMAdgAc
n2gs6frwRWlQ+BuWiofd2zIQ2EzmyLLjglJKxM9ZnwAAAZuajMnGAAAEAwBHMEUC
IQD9ygwQPCzveEgYrS6qj+nspLjP5UpCeCBLApFpOGdRlwIgEkMXMOLW8hFcnL2E
caNHUdbB/Ly1Y0FYI6/YPztCjBAAdQBgTJqven93XwHUBvySDciZ6wscffjJUhv6
+hd3O5eLyQAAAZuajMpZAAAEAwBGMEQCIDNbo0Nn9Vwqv+keDdKjfhMNNIBqPgpm
a2Es1YxsuIGNAiBUHckhKoeTierunttwrHgidpwaONyfV0gCyXH5Rmv7zTANBgkq
hkiG9w0BAQsFAAOCAQEAKkA8wQyEeketvSSI5biI+Ru5Lahso+vbbt6yhllzCSPW
xBMVk6WckWl3iD9YJ94EqFkuq+Spcx4q19wbEVLWk9nXuQaXly3rKgsuGvMSqFmL
dW9Y5QmcNVTnxXVHiqFZclDlevXt2sF3hrfB6VcrfN8Aa85n/6U9hWMW1e63Co25
```

```
Mk/y1fLAGZnxVraj8Gw21+vzgruFSYQ2D4iWKM6d23rdlmOlAN1t3rmg9FIOu8Ts
L8CHdE3sIY7jIR367vS7RWX3Dcqu7JeNE5FhG6xY6DxBTmFlRehlRnPPbKvGAUBO
zOABMm4OmgZJDxoAhCo53kFgfqNTFS1GCpG3c9nFmw==
-----END CERTIFICATE-----
 1 s:C = US, O = DigiCert Inc, CN = DigiCert EV RSA CA G2
   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: Jul  2 12:42:50 2020 GMT; NotAfter: Jul  2 12:42:50 2030 GMT
-----BEGIN CERTIFICATE-----
MIIFPDCCBCSgAwIBAgIQAWePH++IIlXYsKcOa3uyIDANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBH
MjAeFw0yMDA3MDIxMjQyNTBaFw0zMDA3MDIxMjQyNTBaMEQxCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxHjAcBgNVBAMTFURpZ2lDZXJ0IEVWIFJT
QSBDQSBHMjCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAK0eZsx/neTr
f4MXJz0R2fJTIDfN8AwUAu7hy4gI0vp7O8LAAHx2h3bbf8wl+pGMSxaJK9ffDDCD
63FqqFBqE9eTmo3RkgQhlu55a04LsXRLcK6crkBOO0djdonybmhrfGrtBqYvbRat
xenkv0Sg4frhRl4wYh4dnW0LOVRGhbt1G5Q19zm9CqMlq7LlUdAE+6d3a5++ppfG
cnWLmbEVEcLHPAnbl+/iKauQpQlU1Mi+wEBnjE5tK8Q778naXnF+DsedQJ7NEi+b
QoonTHEz9ryeEcUHuQTv7nApa/zCqes5lXn1pMs4LZJ3SVgbkTLj+RbBov/uiwTX
tkBEWawvZH8CAwEAAaOCAgswggIHMB0GA1UdDgQWBBRqTlC/mGidW3sgddRZAXlI
ZpIyBjAfBgNVHSMEGDAWgBROIlQgGJXm427mD/r6uRLtBhePOTAOBgNVHQ8BAf8E
BAMCAYYwHQYDVR0lBBYwFAYIKwYBBQUHAwEGCCsGAQUFBwMCMBIGA1UdEwEB/wQI
MAYBAf8CAQAwNAYIKwYBBQUHAQEEKDAmMCQGCCsGAQUFBzABhhhodHRwOi8vb2Nz
cC5kaWdpY2VydC5jb20wewYDVR0fBHQwcjA3oDWgM4YxaHR0cDovL2NybDMuZGln
aWNlcnQuY29tL0RpZ2lDZXJ0R2xvYmFsUm9vdEcyLmNybDA3oDWgM4YxaHR0cDov
L2NybDQuZGlnaWNlcnQuY29tL0RpZ2lDZXJ0R2xvYmFsUm9vdEcyLmNybDCBzgYD
VR0gBIHGMIHDMIHABgRVHSAAMIG3MCgGCCsGAQUFBwIBFhxodHRwczovL3d3dy5k
aWdpY2VydC5jb20vQ1BTMIGKBggrBgEFBQcCAjB+DHxBbnkgdXNlIG9mIHRoaXMg
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	23.62.212.197
Connect Time	5.38 ms
TTFB	425.72 ms
Total Time	425.88 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Content-Length: 0",
    "2": "Location: https://business.bofa.com/",
    "3": "Date: Sat, 08 Aug 2026 10:01:25 GMT",
    "4": "Connection: keep-alive",
    "5": "Set-Cookie: FPID=5faeddaf-0f0a-407b-9b14-4c518bcfe534:exp=1820743285; expires=Sun, 12-Sep-2027 10:01:25 GMT; path=/; domain=.bofa.com; secure; HttpOnly;
SameSite=Lax",
    "6": "Set-Cookie: FPID_CLIENT=5faeddaf-0f0a-407b-9b14-4c518bcfe534; expires=Sun, 12-Sep-2027 10:01:25 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: Sat, 08 Aug 2026 10:01:25 GMT",
    "23": "set-cookie: FPID=5df6ccd2-a14b-4c19-b959-893e3243215c:exp=1820743285; expires=Sun, 12-Sep-2027 10:01:25 GMT; path=/; domain=.bofa.com; secure; HttpOnly;
SameSite=Lax",
    "24": "set-cookie: FPID_CLIENT=5df6ccd2-a14b-4c19-b959-893e3243215c; expires=Sun, 12-Sep-2027 10:01:25 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/iHIJExhXDgKYK4CPkmuHfMskeNGTun5U=' 'sha256-
tGCAy79zMW94DgRaBsZosm/7cizDEgOkLjOwt18lCGk=' 'sha256-Moqg3U+rgUW0c5F6kpcB8jsAlUY7xQEgDa74XSOmLj4=' 'nonce-onetrust-style' 'nonce-rAnd0m' https: data: blob:
*.baml.com *.ml.com *.merrilledge.com *.bankofamerica.com *.bofa.com www.merrill.com snap.licdn.com p.adsymptotic.com cdn.linkedin.oribi.io gw.linkedin.oribi.io
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  znczuxiczndmh7vpb-bankofamerica.siteintercept.qualtrics.com zn78njubwkodhg8ht-
bankofamerica.siteintercept.qualtrics.com cdn.cookielaw.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-
YYft1MFsdHfdirSLyEaOye0zKFpEYEmaws96I0Z0yDc=' 'sha256-rOh4425QGt1UOiKgpZdfaA+GP2RJqCXbTGNSHxJm/9A=' 'sha256-38C0auqpioh9EIaWj2VghE/6qor415eFquPXEJjXte0=' 'sha256-
KxdIAY0X65VjqzYMz0Mb2p3/HcFIDzTvzevwJXBxoFU=' 'sha256-ip2vlKGhvYh73hy11bpS+GKLqYjX7k0KcWbJNWv7pMs=' 'nonce-rAnd0m' 'nonce-onetrust-style' *.bankofamerica.com
*.bofa.com *.bac-assets.com *.ml.com tags.tiqcdn.com cdn.cookielaw.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 boa.visualcalc.com hosttest.visualcalc.com; connect-src
'self' *.bankofamerica.com *.bofa.com *.bac-assets.com *.ml.com cdn.cookielaw.org www.googleadservices.com www.google.com www.googletagmanager.com
geolocation.onetrust.com privacyportal-bofa.my.onetrust.com www.google-analytics.com px.ads.linkedin.com px4.ads.linkedin.com dc.ads.linkedin.com
cdnapisec.kaltura.com analytics.kaltura.com cfvod.kaltura.com maps.googleapis.com mapsresources-pa.googleapis.com bat.bing.com insight.adsrvr.org linkedin.com
p.adsymptotic.com cdn.linkedin.oribi.io gw.linkedin.oribi.io ct.pinterest.com znczuxiczndmh7vpb-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 px.ads.linkedin.com p.adsymptotic.com cdn.linkedin.oribi.io gw.linkedin.oribi.io
googleads.g.doubleclick.net www.google.com cdn.cookielaw.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 mapsresources-pa.googleapis.com;",
    "33": "last-modified: Sat, 08 Aug 2026 04:01:12 GMT",
    "34": "etag: \"3dbc2-658812bffe7dc-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: Sat, 08 Aug 2026 10:01:26 GMT",
```

```
    "41": "cache-control: max-age=0, no-cache, no-store",
    "42": "pragma: no-cache",
    "43": "date: Sat, 08 Aug 2026 10:01:26 GMT",
    "44": "set-cookie: ApplicationGatewayAffinityCORS=d336129dbcf3590273d5d44e71cc948a; Path=/; SameSite=None; Secure",
    "45": "set-cookie: ApplicationGatewayAffinity=d336129dbcf3590273d5d44e71cc948a; Path=/",
    "46": "set-cookie: FPID=c55c9ba9-164c-4ffc-8031-b301d130afd1:exp=1820743285; expires=Sun, 12-Sep-2027 10:01:26 GMT; path=/; domain=.bofa.com; secure; HttpOnly;
SameSite=Lax",
    "47": "set-cookie: FPID_CLIENT=c55c9ba9-164c-4ffc-8031-b301d130afd1; expires=Sun, 12-Sep-2027 10:01:26 GMT; path=/; domain=.bofa.com; secure; SameSite=Lax",
    "48": "strict-transport-security: max-age=31536000",
    "49": "x-bac-akm-c: ON"
}
```


IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	23.62.212.197
Connect Time	0.82 ms
TTFB	1475.09 ms
Total Time	1475.21 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/boaml/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: Sat, 08 Aug 2026 10:01:26 GMT",
    "14": "set-cookie: FPID=2f8c3130-8f9f-48f1-b782-9fa4f9131058:exp=1820743286; expires=Sun, 12-Sep-2027 10:01:26 GMT; path=/; domain=.bofa.com; secure; HttpOnly;
SameSite=Lax",
    "15": "set-cookie: FPID_CLIENT=2f8c3130-8f9f-48f1-b782-9fa4f9131058; expires=Sun, 12-Sep-2027 10:01:26 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-
tGCAy79zMW94DgRaBsZosm/7cizDEgOkLjOwt18lCGk=' 'sha256-Moqg3U+rgUW0c5F6kpcB8jsAlUY7xQEgDa74XSOmLj4=' 'nonce-onetrust-style' 'nonce-rAnd0m' https: data: blob:
*.baml.com *.ml.com *.merrilledge.com *.bankofamerica.com *.bofa.com www.merrill.com snap.licdn.com p.adsymptotic.com cdn.linkedin.oribi.io gw.linkedin.oribi.io
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  znczuxiczndmh7vpb-bankofamerica.siteintercept.qualtrics.com zn78njubwkodhg8ht-
bankofamerica.siteintercept.qualtrics.com cdn.cookielaw.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-
YYft1MFsdHfdirSLyEaOye0zKFpEYEmaws96I0Z0yDc=' 'sha256-rOh4425QGt1UOiKgpZdfaA+GP2RJqCXbTGNSHxJm/9A=' 'sha256-38C0auqpioh9EIaWj2VghE/6qor415eFquPXEJjXte0=' 'sha256-
KxdIAY0X65VjqzYMz0Mb2p3/HcFIDzTvzevwJXBxoFU=' 'sha256-ip2vlKGhvYh73hy11bpS+GKLqYjX7k0KcWbJNWv7pMs=' 'nonce-rAnd0m' 'nonce-onetrust-style' *.bankofamerica.com
*.bofa.com *.bac-assets.com *.ml.com tags.tiqcdn.com cdn.cookielaw.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 boa.visualcalc.com hosttest.visualcalc.com; connect-src
'self' *.bankofamerica.com *.bofa.com *.bac-assets.com *.ml.com cdn.cookielaw.org www.googleadservices.com www.google.com www.googletagmanager.com
geolocation.onetrust.com privacyportal-bofa.my.onetrust.com www.google-analytics.com px.ads.linkedin.com px4.ads.linkedin.com dc.ads.linkedin.com
cdnapisec.kaltura.com analytics.kaltura.com cfvod.kaltura.com maps.googleapis.com mapsresources-pa.googleapis.com bat.bing.com insight.adsrvr.org linkedin.com
p.adsymptotic.com cdn.linkedin.oribi.io gw.linkedin.oribi.io ct.pinterest.com znczuxiczndmh7vpb-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 px.ads.linkedin.com p.adsymptotic.com cdn.linkedin.oribi.io gw.linkedin.oribi.io
googleads.g.doubleclick.net www.google.com cdn.cookielaw.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 mapsresources-pa.googleapis.com;",
    "24": "last-modified: Sat, 08 Aug 2026 04:01:12 GMT",
    "25": "etag: \"3dbc2-658812bffe7dc-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: Sat, 08 Aug 2026 10:01:27 GMT",
    "32": "cache-control: max-age=0, no-cache, no-store",
    "33": "pragma: no-cache",
    "34": "date: Sat, 08 Aug 2026 10:01:27 GMT",
    "35": "set-cookie: ApplicationGatewayAffinityCORS=d336129dbcf3590273d5d44e71cc948a; Path=/; SameSite=None; Secure",
    "36": "set-cookie: ApplicationGatewayAffinity=d336129dbcf3590273d5d44e71cc948a; Path=/",
    "37": "set-cookie: FPID=a1cdfb0c-41d1-47ef-8398-ab01c807f57a:exp=1820743286; expires=Sun, 12-Sep-2027 10:01:27 GMT; path=/; domain=.bofa.com; secure; HttpOnly;
SameSite=Lax",
    "38": "set-cookie: FPID_CLIENT=a1cdfb0c-41d1-47ef-8398-ab01c807f57a; expires=Sun, 12-Sep-2027 10:01:27 GMT; path=/; domain=.bofa.com; secure; SameSite=Lax",
    "39": "strict-transport-security: max-age=31536000",
    "40": "x-bac-akm-c: ON"
}
```


Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.001494 0.010085
TCP Connect IPv4 → port 443	301 0.000904 0.089800

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
```