

IPv6 Readiness Report

affinhwang.com — affinhwang.com




Scan to verify

Category: Banking • Generated: 04 Jul 2026, 22:17 MYT • Last Checked: 04 Jul 2026, 03:03 MYT • Verification ID: 01c53749-d580-4700-a049-02efda02d8f0

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

Audit trail: <https://ipv6.my6.my/audit/01c53749-d580-4700-a049-02efda02d8f0>

| | | |
|---|--------------------------------------|---|
|  Partially Compliant <small>MGv6C-1.0</small> | 73% Partial Support | IPv6-ONLY READINESS Website: ✓ Ready DNS: ✓ Ready Email: ✗ Not Ready |
|---|--------------------------------------|---|

| IPv6 ADDRESSES |
|-------------------------|
| 2606:4700:10::ac42:ab4f |
| 2606:4700:10::6814:1da6 |

| IPv4 ADDRESSES |
|----------------|
| 172.66.171.79 |
| 104.20.29.166 |

Network Information (WHOIS / RDAP)

| | IPv6 Network | IPv4 Network |
|----------------|--------------------------------------|--------------------------------------|
| Organization | Cloudflare, Inc. | Cloudflare, Inc. |
| Country | US | US |
| ASN | AS13335 | AS13335 |
| ASN Name | CLOUDFLARENET - Cloudflare, Inc., US | CLOUDFLARENET - Cloudflare, Inc., US |
| Network (CIDR) | 2606:4700::/32 | 172.64.0.0/13 |

| Web Services (35%) 7 / 8 | | | |
|---|------------------------------|--------|--|
| # | CHECK | RESULT | DETAIL |
| 1 | AAAA Record | PASS | 2606:4700:10::ac42:ab4f, 2606:4700:10::6814:1da6 |
| 2 | Globally Routable IPv6 | PASS | All addresses are globally routable. |
| 3 | HTTP over IPv6 | PASS | HTTP (port 80) responds over IPv6. |
| 4 | HTTPS over IPv6 | PASS | HTTPS (port 443) responds over IPv6 — 250ms TTFB. |
| 5 | IPv6-Only Reachability | PASS | Site is fully reachable via IPv6-only. |
| 6 | TLS Certificate Valid (IPv6) | PASS | Certificate valid — issued by C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018, expires Oct 21 01:51:11 2026 GMT |
| 7 | Dual-Stack (IPv4 + IPv6) | PASS | Domain has both A and AAAA records. |
| 8 | HTTP/3 (QUIC) | FAIL | No HTTP/3 support detected. |

| DNS & DNSSEC (25%) 3 / 5 | | | |
|---|-----------------------------|--------|---|
| # | CHECK | RESULT | DETAIL |
| 1 | NS Has AAAA Record | PASS | Nameserver has IPv6 address. |
| 2 | NS Reachable via IPv6 | PASS | Nameserver is reachable via IPv6 on port 53. |
| 3 | NS Answers Queries via IPv6 | PASS | DNS queries answered over IPv6. |
| 4 | DNSSEC Validated | FAIL | DNSSEC validation failed or zone is unsigned. |
| 5 | Reverse DNS (PTR) | FAIL | No PTR record found. |
| 6 | DS Record at Parent | FAIL | No DS record at parent. |

| # | CHECK | RESULT | DETAIL |
|---|--------------------------|-------------|-------------------------|
| 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 | No common DKIM selector found. |
| 7 | DMARC Record | PASS | DMARC record found. |

IPv4 Baseline (15%) 3 / 3

| # | CHECK | RESULT | DETAIL |
|---|------------------------|-------------|---|
| 1 | A Record | PASS | 172.66.171.79, 104.20.29.166 |
| 2 | HTTP over IPv4 | PASS | HTTP (port 80) responds over IPv4. |
| 3 | HTTPS over IPv4 | PASS | HTTPS (port 443) responds over IPv4 — 263ms TTFB. |

Audit Trail & Evidence Record

| | |
|-------------------|--|
| Verification ID | 01c53749-d580-4700-a049-02efda02d8f0 |
| Domain | affinhwang.com |
| Check Mode | Scheduled |
| Status | Completed |
| Started | 04 Jul 2026, 03:02:58 MYT |
| Finished | 04 Jul 2026, 03:03:09 MYT |
| Test Node Profile | dual stack |
| Engine Version | 2.0.0 |
| MGv6C Version | 1.0.0 |
| Audit URL | https://ipv6.my6.my/audit/01c53749-d580-4700-a049-02efda02d8f0 |

Integrity Verification

| | |
|-----------------------------|--|
| ✓ INTEGRITY VERIFIED | |
| Algorithm | hmac-sha256-v1 |
| Root Hash | 38842aa3cf38e51c7391f8348921a09d58a22fe5776b91b10666b3c119a9829e |
| http_headers | 99c01f9056bdf89e10815aa00ec7f5ca77dd8143c706219ba4ba2eadef8bea2f |
| dns_responses | 9c9d2a04b81386a4a2032ae3bb9afc07e0c0ffb5c417a427b165b24e0dfb68d7 |
| tls_handshake | adabddaa3cc4f63e5b7ea3db0f80b1018c911f9211d680b931eacd288ce78d54 |
| connectivity_log | 37add79afb90f8e54408ddd24c8ccb0ec0bf10ef6c6d7439e88a3d7a24e7c9ba |
| dns_resolution_times | 4168e3feec94b22fb4bb32ee9a3dabec88de31df7997a10d4e38bf88294a914 |

Test Node Identity

| | |
|-------------|--|
| Os | Linux srv1440888 6.8.0-124-generic #124-Ubuntu SMP PREEMPT_DYNAMIC Tue May 26 13:00:45 UTC 2026 x86_64 |
| Hostname | srv1440888 |
| Php Version | 8.3.32 |
| 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 | 55.74 | 59.51 | 52.5 | 57.43 | -3.2 |
| Google | IPv4 | 68.78 | 81.19 | 56.04 | 62.72 | -12.7 |
| Google | IPv6 | 80.01 | 94.16 | 68.44 | 78.73 | -11.6 |
| Cloudflare | IPv4 | 49.59 | 64.01 | 50.03 | 51.84 | +0.4 |
| Cloudflare | IPv6 | 55.79 | 62.36 | 41.34 | 75.71 | -14.5 |

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 42236
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
affinhwang.com. 300 IN A 104.20.29.166
affinhwang.com. 300 IN A 172.66.171.79
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 53175
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com. 894 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1783105361 1800 900 604800 900
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 35785
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
affinhwang.com. 300 IN MX 10 mx2.affinhwang.com.
affinhwang.com. 300 IN MX 20 mx1.affinhwang.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 16746
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
affinhwang.com. 86400 IN NS james.ns.cloudflare.com.
affinhwang.com. 86400 IN NS connie.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 40176
;; flags: qr rd ra; QUERY: 1, ANSWER: 8, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
affinhwang.com. 300 IN TXT "_globalsign-domain-verification=CkuLZUGsRGuFRE7aAJxT8xryHP7SqKx--8Fmnf6VnC"
affinhwang.com. 300 IN TXT "_globalsign-domain-verification=SeQTVI9vT2nEMLi_U_oPzkea9whLkb-G665qVUaXle"
affinhwang.com. 300 IN TXT "_globalsign-domain-verification=VwQt_G2Q3B0qpo_bi6bIvpjbsAbep6T-uBoplegpo9"
affinhwang.com. 300 IN TXT "cisco-ci-domain-verification=55a9642a7560243d8c2fc81a8548c663e262b6eed6a04d24f0f1424d720edb35"
affinhwang.com. 300 IN TXT "google-site-verification=AdgbMW-Dvy82cwwEOK0gS50MRQo1Bc6QN887B-KEff0"
affinhwang.com. 300 IN TXT "google-site-verification=_AVAy2Vls2dUzgaHJRuq5iBH0wnLht3r1E2I3GZ97Q"
affinhwang.com. 300 IN TXT "v=spf1 ip4:203.121.30.39 ip4:211.24.118.180 ip4:203.3.88.0/23 ip4:211.24.49.1 ip4:211.24.50.1 ip4:203.3.89.109 ip4:211.24.50.143 ip4:175.143.7.244 ip4:211.24.115.3 ip4:45.112.196.18 ip4:203.3.89.114 mx -all"
affinhwang.com. 300 IN TXT "MS=ms57660277"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 47155
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
affinhwang.com. 300 IN AAAA 2606:4700:10::ac42:ab4f
```

```
affinhwang.com. 300 IN AAAA 2606:4700:10::6814:1da6
```

RRSIG

```
connie.ns.cloudflare.com. dns.cloudflare.com. 2404199394 10000 2400 604800 1800
```

DNSKEY

```
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 58025
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
affinhwang.com. 1794 IN SOA connie.ns.cloudflare.com. dns.cloudflare.com. 2404199394 10000 2400 604800 1800
```

DNSSEC_VALIDATION

```
; unsigned answer
affinhwang.com. 1794 IN SOA connie.ns.cloudflare.com. dns.cloudflare.com. 2404199394 10000 2400 604800 1800
```


Error Maximum (3) redirects followed

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:03:07 GMT",
  "2": "Content-Type: text/html; charset=UTF-8",
  "3": "Connection: keep-alive",
  "4": "Location: https://affinhwang.com/",
  "5": "X-Content-Type-Options: nosniff",
  "6": "Server: cloudflare",
  "7": "CF-RAY: a1582602c841fd00-SIN",
  "9": "HTTP/2 301",
  "10": "date: Fri, 03 Jul 2026 19:03:08 GMT",
  "11": "content-type: text/html; charset=UTF-8",
  "12": "location: https://www.affinhwang.com/",
  "13": "strict-transport-security: max-age=0; includeSubDomains",
  "14": "x-content-type-options: nosniff",
  "15": "server: cloudflare",
  "16": "cf-ray: a15826032c1e87a8-SIN",
  "18": "HTTP/2 302",
  "19": "date: Fri, 03 Jul 2026 19:03:08 GMT",
  "20": "content-type: text/html; charset=UTF-8",
  "21": "location: https://www.affinhwang.com/homepage",
  "22": "cache-control: no-cache, private",
  "23": "set-cookie: XSRF-
TOKEN=eyJpdiI6IkhkczBETy85MVJv0pYbjhDUW1Dd1E9PSIsInZhbHVlIjoicUZJVUpzR1VUZ0ZCZFIzNDdWkdFUF82SHY1YTsNjN3ODNPNUJlSS9wLzRlWVcQk53Z2ZlCeCtJ2I2VnRhZmFjVjVhVHRUXU5dTNoTUHYXHYFYSG900itY
expires=Fri, 03-Jul-2026 21:03:08 GMT; Max-Age=7200; path=/; secure; samesite=lax",
  "24": "set-cookie:
cms_session=eyJpdiI6IjB0blljSDA2SitKaEpDM1RSLUx0bHc9PSIsInZhbHVlIjoicS3VqbTJHNEFVS3dPZ29XemJodzFtNGNPb3Z5VVJtJtVhSUVFcVYlUnZT0URFTDRjV2lhZkhzdm05LmXmNzEyVWlyNjMzVTV6Q25IMmJ4aDNEaD
expires=Fri, 03-Jul-2026 21:03:08 GMT; Max-Age=7200; path=/; secure; httponly; samesite=lax",
  "25": "x-content-type-options: nosniff",
  "26": "x-frame-options: SAMEORIGIN",
  "27": "strict-transport-security: max-age=0; includeSubDomains",
  "28": "cf-cache-status: DYNAMIC",
  "29": "server: cloudflare",
  "30": "cf-ray: a15826037880fdae-SIN",
  "32": "HTTP/2 302",
  "33": "date: Fri, 03 Jul 2026 19:03:08 GMT",
  "34": "content-type: text/html; charset=UTF-8",
  "35": "location: https://www.affinhwang.com/en/homepage",
  "36": "cache-control: no-cache, private",
  "37": "set-cookie: XSRF-
TOKEN=eyJpdiI6ImpFamxhb3ZNSDZwUTV4ZWlyYldQdFE9PSIsInZhbHVlIjoic3lhQUQwNUNWZDN0ZWpMUWNEcHZBc3BD5mhIa1lKZzVoMmZzZbHZPbTlWc01BcGw4Y2tVThRdCs4N1ZlY2pqcXNlMm8zVUNsNGx3MjdlSXkvdFZRaH
expires=Fri, 03-Jul-2026 21:03:08 GMT; Max-Age=7200; path=/; secure; samesite=lax",
  "38": "set-cookie:
cms_session=eyJpdiI6IjhhNHRuQ1BscmtIMWx0bWwzBHOxL5bWc9PSIsInZhbHVlIjoibGMzamt0bWwvZjY2NTU0Ukp0bG1od1ZSVS9sWDlN0Fo1VlFsYkNwSTZrd2NrSEwvcThydz3ZsVWk0Z1pCNXlmZm8zVUNsNGx3MjdlSXkvdFZRaH
expires=Fri, 03-Jul-2026 21:03:08 GMT; Max-Age=7200; path=/; secure; httponly; samesite=lax",
  "39": "x-content-type-options: nosniff",
  "40": "x-frame-options: SAMEORIGIN",
  "41": "strict-transport-security: max-age=0; includeSubDomains",
  "42": "cf-cache-status: DYNAMIC",
  "43": "server: cloudflare",
  "44": "cf-ray: a1582603f9befdae-SIN"
}
```

IPv4 HTTPS (port 443)

| | |
|---------------------|---------------|
| HTTP Status | 200 |
| Connected IP | 104.20.29.166 |
| Connect Time | 22.58 ms |
| TTFB | 252.7 ms |
| Total Time | 252.86 ms |

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "date: Fri, 03 Jul 2026 19:03:08 GMT",
  "2": "content-type: text/html; charset=UTF-8",
  "3": "location: https://www.affinhwang.com/",
  "4": "strict-transport-security: max-age=0; includeSubDomains",
  "5": "x-content-type-options: nosniff",
  "6": "server: cloudflare",
  "7": "cf-ray: a1582607ab44fda3-SIN",
}
```


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
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
```