

# IPv6 Readiness Report

appletvplus.com — appletvplus.com



Scan to verify

Category: Streaming • Generated: 13 Jun 2026, 19:14 MYT • Last Checked: 13 Jun 2026, 01:05 MYT • Verification ID: db14aca8-fe75-4533-b1da-ab76e2987c07

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

Audit trail: <https://ipv6.my6.my/audit/db14aca8-fe75-4533-b1da-ab76e2987c07>

<p><b>X</b></p> <p><b>Non-Compliant</b></p> <p>MGv6C-1.0</p>	<p><b>30%</b></p> <p><b>No IPv6 Support</b></p>	<p><b>IPv6-ONLY READINESS</b></p> <p>Website: <b>X Not Ready</b></p> <p>DNS: <b>✓ Ready</b></p> <p>Email: <b>X Not Ready</b></p>
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<p><b>IPv4 ADDRESSES</b></p> <p>17.253.142.4</p>
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## Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Apple Inc.
Country	US
ASN	AS714
ASN Name	APPLE-ENGINEERING - Apple Inc., US
Network (CIDR)	17.0.0.0/8

Web Services (35%)				0 / 8
#	CHECK	RESULT	DETAIL	
1	AAAA Record	FAIL	No AAAA record found in DNS.	
2	Globally Routable IPv6	FAIL	IPv6 address is not globally routable.	
3	HTTP over IPv6	FAIL	HTTP is not accessible over IPv6.	
4	HTTPS over IPv6	FAIL	HTTPS is not accessible over IPv6.	
5	IPv6-Only Reachability	FAIL	Site is not reachable when limited to IPv6-only.	
6	TLS Certificate Valid (IPv6)	FAIL	TLS certificate is invalid, expired, or hostname mismatch over IPv6.	
7	Dual-Stack (IPv4 + IPv6)	FAIL	Domain is IPv6-only or IPv4-only.	
8	HTTP/3 (QUIC)	FAIL	No HTTP/3 support detected.	

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

#	CHECK	RESULT	DETAIL
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>	17.253.142.4
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 363ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 554ms TTFB.

### Audit Trail & Evidence Record

Verification ID	db14aca8-fe75-4533-b1da-ab76e2987c07
Domain	appletvplus.com
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:05:44 MYT
Finished	13 Jun 2026, 01:05:50 MYT
Test Node Profile	ipv6 only
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/db14aca8-fe75-4533-b1da-ab76e2987c07

### Integrity Verification

✓ <b>INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	df76db1c43988ebbdccd75b3e805459623efa45e16bee37a12bc8779ec247d95
http_headers	df118432f06057994f8de05d62044ffeb7e12bb89b8919a77322ddfeddce2793
dns_responses	d982a63a85f6d7423e7edab9f9162cb945b79df4dbe9c9bb8f85152ed2e01854
tls_handshake	e39240676e25b1602dc8377a36c5ab6374532643e8a9e1bd559b3b6795c3e56c
connectivity_log	3869fe46eca5d707a8717a4874145b107814c65c80a06cfdad511102c77c8208
dns_resolution_times	b64f0766bf729ee6f6ce7c6e0d243467901aba534a170e9ae178a9d6089b8e15

### 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	8.3.31
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	14.75	21.53	33.24	35.87	+18.5
Google	IPv4	24.16	33.64	31.1	38.86	+6.9
Google	IPv6	31.42	36.92	37.24	44.13	+5.8
Cloudflare	IPv4	27.28	34.61	10.54	22.62	-16.7
Cloudflare	IPv6	24.79	30.79	26.07	32.86	+1.3



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 35932
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
appletvplus.com. 300 IN A 17.253.142.4
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 48367
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com. 899 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1781283928 1800 900 604800 900
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 20250
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
appletvplus.com. 298 IN SOA ns-ext-prod.jackfruit.apple.com. dnscontact.apple.com. 53 7200 5400 3628800 300
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 49663
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
appletvplus.com. 3600 IN NS b.ns.apple.com.
appletvplus.com. 3600 IN NS c.ns.apple.com.
appletvplus.com. 3600 IN NS d.ns.apple.com.
appletvplus.com. 3600 IN NS a.ns.apple.com.
```

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 6777
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
appletvplus.com. 3600 IN TXT "mt-19390627"
```

### AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 6549
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
appletvplus.com. 298 IN SOA ns-ext-prod.jackfruit.apple.com. dnscontact.apple.com. 53 7200 5400 3628800 300
```

### RRSIG

```
ns-ext-prod.jackfruit.apple.com. dnscontact.apple.com. 53 7200 5400 3628800 300
```

### DNSKEY

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 59078
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
appletvplus.com. 298 IN SOA ns-ext-prod.jackfruit.apple.com. dnscontact.apple.com. 53 7200 5400 3628800 300
```

**DNSSEC\_VALIDATION**

```
; unsigned answer
appletvplus.com. 3598 IN SOA ns-ext-prod.jackfruit.apple.com. dnscontact.apple.com. 53 7200 5400 3628800 300
```







## HTTP Response Evidence

### IPv4 HTTP (port 80)

HTTP Status	405
Connected IP	17.253.142.4
Connect Time	183.72 ms
TTFB	366.96 ms
Total Time	367 ms

#### Response Headers:

```
[  
  "HTTP/1.1 405 Method Not Allowed",  
  "Date: Fri, 12 Jun 2026 17:05:48 GMT"  
]
```

### IPv4 HTTPS (port 443)

HTTP Status	405
Connected IP	17.253.142.4
Connect Time	181.22 ms
TTFB	547.97 ms
Total Time	547.99 ms

#### Response Headers:

```
[  
  "HTTP/1.1 405 Method Not Allowed",  
  "Date: Fri, 12 Jun 2026 17:05:49 GMT"  
]
```

## Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.184446 0.367991
TCP Connect IPv4 → port 443	301 0.183330 0.554719

## Test Node Network Evidence

Node Profile	ipv6 only
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### Egress Connectivity

IPv4 Egress	76.13.221.142
IPv6 Egress	unreachable

### Sysctl IPv6 Flags

net.ipv6.conf.all.disable_ipv6	0
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### 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
```