

IPv6 Readiness Report

wechat.com — wechat.com



Scan to verify

Category: Social Media • Generated: 13 Jun 2026, 19:09 MYT • Last Checked: 13 Jun 2026, 01:06 MYT • Verification ID: 82a65b59-90f8-464c-bc1b-4817c85d4258

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

Audit trail: <https://ipv6.my6.my/audit/82a65b59-90f8-464c-bc1b-4817c85d4258>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>33%</p> <p>No IPv6 Support</p>	<p>IPv6-ONLY READINESS</p> <p>Website: X Not Ready</p> <p>DNS: X Not Ready</p> <p>Email: X Not Ready</p>
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IPv4 ADDRESSES
43.163.181.74
43.163.178.94

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	ACEVILLEPELTLD-SG
Country	SG
ASN	AS132203
ASN Name	TENCENT-NET-AP-CN - Tencent Building, Kejizhongyi Avenue, CN
Network (CIDR)	43.163.128.0/18

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	PASS	Nameserver has IPv6 address.	
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	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	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	43.163.181.74, 43.163.178.94
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4.

Audit Trail & Evidence Record

Verification ID	82a65b59-90f8-464c-bc1b-4817c85d4258
Domain	wechat.com
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:05:11 MYT
Finished	13 Jun 2026, 01:06:07 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/82a65b59-90f8-464c-bc1b-4817c85d4258

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	23c30cc305cc8f93d368da8cd97a71573011f719b79faa51a4995d3912e64c3e
http_headers	0dd09b3f8f8e44ec458830df63f237c6d25f62f3557a82e7fb9d1d85f484b930
dns_responses	f2057efa8705ddabe114cbfc99817b77cd2a1949462f2daa7a0ee9ee41e10d25
tls_handshake	7618984443199b5acc201b666b1f7c22c6070dac50d3b84dbed6be826d9fd9b7
connectivity_log	b86d4535a990cb2e2dc8ec4d64d4aaf5d0c0599f7d9e69167f86a77bcc6f4ed3
dns_resolution_times	27dda3581b1557766fb87b97f3ee01a0b0efc16cb6a206e81b8be83efb7ace8c

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	8.15	21.2	18.25	19.58	+10.1
Google	IPv4	22.02	27.18	22.79	27.05	+0.8
Google	IPv6	18.13	37.09	27.3	36.43	+9.2
Cloudflare	IPv4	10.67	11.57	19.9	26.85	+9.2
Cloudflare	IPv6	41.36	42.27	39.87	42.49	-1.5

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 29596
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
wechat.com. 300 IN A 43.163.178.94
wechat.com. 300 IN A 43.163.181.74
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14012
;; 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: 20644
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
wechat.com. 600 IN MX 5 mxbiz1.qq.com.
wechat.com. 600 IN MX 10 mxbiz2.qq.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 3275
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
wechat.com. 7200 IN NS ns4.wechat.com.
wechat.com. 7200 IN NS ns1.wechat.com.
wechat.com. 7200 IN NS ns2.wechat.com.
wechat.com. 7200 IN NS ns3.wechat.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 56677
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
wechat.com. 300 IN TXT "v=spf1 include:spf.mail.qq.com ~all"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 11105
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
wechat.com. 3577 IN SOA ns1.wechat.com. webmaster.qq.com. 1357633970 300 600 86400 86400
```

RRSIG

```
ns1.wechat.com. webmaster.qq.com. 1357633970 300 600 86400 86400
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 25821
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
wechat.com. 3576 IN SOA ns1.wechat.com. webmaster.qq.com. 1357633970 300 600 86400 86400
```

DNSSEC_VALIDATION

```
; unsigned answer
wechat.com. 86376 IN SOA ns1.wechat.com. webmaster.qq.com. 1357633970 300 600 86400 86400
```



```
i s:C = US, 0 = "DigiCert, Inc.", CN = DigiCert Secure Site OV G2 TLS CN RSA4096 SHA256 2022 CA1
i:C = US, 0 = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
a:PKKEY: rsaEncryption, 4096 (bit); sigalg: RSA-SHA256
v:NotBefore: Dec 15 00:00:00 2022 GMT; NotAfter: Dec 14 23:59:59 2032 GMT
```

```
-----BEGIN CERTIFICATE-----
MIIFITCCBL2gAwIBAgIQBMG5YBkfy7c2pMBps14wzANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQLEExB3
d3cuZGlnaUNlcnQyMjY2MSAwHgYDVQ0DEdEaWdpQ2VydCBHbG9iYWwUm9vdCBH
MjAeFw0yMjE0MDAwMDBaFw0zMDYyMTQyMzU0NTU0MjE0MDYyMjE0MDYyMjE0MDYy
MRcwFQYDVQQKEw5EaWdpQ2VydCwgSW5jLjFCMEAGAA1UEAxM5RGlnaUNlcnQgU2Vj
dXJlIFNpdGUGT1YgRzIyYyVExTIE90IFJ0T0w0TygU0hBMjU2IDImMjIyMjE0MDYy
IjANBgkqhkiG9w0BAQEFAAOCAg8AMIICCgKCAgEaQpBwLBJf1bG0dPpKg1poUjY
2T062PnFJq6Tdc4LK8EBLCYpg1XpXjk8tsoSaGw5Vlc4K4djyLAGQXg9VKBbg+7
5i+8SomphCkVtIPwY+Zw00n2puNpVJ6ZgYDYNE9PTmBEYeRPvxpksMTivdXXA22
hAsXZVawLR1/iJXLqmF80UvShmZLXhkR6ymKK0edoJcXDzpgEK3g0cRVCaw8Ij8K
9nU72msIrhMrMBkAvg0AQEzLGGGWSk92FztzeUuYo4MGCGL0HDEJ0B5hf4V+h/Ct
Wuho/roYqUueoHsVMUXPwwGspahGoDlWh9nZ4zRssCE/zXJRYtkpLZaUc/55A0zu
7F4UatHP1xVfRhkxHT0uCj7iCyc5B/D1SLpU0FzZ7MfF0eANhB0ilFbFzJ/gXPA9
dWCYP0kqkKcLcn5hRHQxArGkP+VzZuayTVCbHK5tbZ/ZzQ3gnyEopwtq1D077dLv
wZLfn0HA1tzTFYLKATE8VC/xta5i2tyBoXX+kuvLd/552914gA8+Jw4gM+aYD3y5
LQCD/6c27beRta2DXC8y4nG1mC2jdyurw/+KxGMKLfudAeGs9om+kqM5JdJXwUBW
L13+0QH8V02omIsoZ2VijBoe6J6r8hzAvg2qz8yIdjG3c+K+cLbwmtS0x5x3PHnx
Ab1dKZPfwGq+TiSx7XcAwEAA0CAX4wggF6MBIGA1UdEwEB/wQIMAYBAf8CAQAw
HQYDR00BBEFCsJFoEbr4mKkHrs6DLubI5y+c4LMB8GA1UdIwQYMBAAFE4iVCAY
lebJbuYP+vq5Eu0GF485MA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBgggRBgEF
BQcDAQYIKwYBBQUHAwIwdAYIKwYBBQUHAQEEdBmMCMGCCsGAQUFBzABhhodHRw
O18vb2NzC5kaWdpY2VydC5jb2A/BgggRBgEFBQcwAoYzahr0cDovL2NhY2VydHMu
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	301
Connected IP	43.159.94.110
Connect Time	51.64 ms
TTFB	94.33 ms
Total Time	10097.13 ms
Error	Operation timed out after 10002 milliseconds with 0 bytes received

Response Headers:

```
[
  "HTTP/1.1 301 Moved Permanently",
  "Location: https://www.wechat.com/",
  "Date: Fri, 12-Jun-2026 17:05:47 GMT",
  "Content-Length: 0",
  "Connection: keep-alive"
]
```

IPv4 HTTPS (port 443)

HTTP Status	301
Connected IP	43.159.94.110
Connect Time	49.25 ms
TTFB	142.55 ms
Total Time	10145.33 ms
Error	Operation timed out after 10002 milliseconds with 0 bytes received

Response Headers:

```
[
  "HTTP/1.1 301 Moved Permanently",
  "Location: https://www.wechat.com/",
  "Date: Fri, 12-Jun-2026 17:05:57 GMT",
  "Content-Length: 0",
  "Connection: keep-alive",
  "Strict-Transport-Security: max-age=15768000"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.049786 0.098434
TCP Connect IPv4 → port 443	301 0.048658 0.151944

Test Node Network Evidence

Node Profile	dual stack
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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
```