

# IPv6 Readiness Report

tvalhijrah.com — tvalhijrah.com



Scan to verify

Category: Media • Generated: 04 Jul 2026, 22:33 MYT • Last Checked: 04 Jul 2026, 03:41 MYT • Verification ID: 9fcc021c-2216-48f9-a2f7-67ce6bee741b

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

Audit trail: <https://ipv6.my6.my/audit/9fcc021c-2216-48f9-a2f7-67ce6bee741b>

<p><b>X</b></p> <p><b>Non-Compliant</b></p> <p>MGv6C-1.0</p>	<p><b>32%</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>X Not Ready</b></p> <p>Email: <b>X Not Ready</b></p>
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<p><b>IPv4 ADDRESSES</b></p> <p>43.252.215.17</p>
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## Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Exa Bytes Network Sdn.Bhd.
Country	MY
ASN	AS46015
ASN Name	EXABYTES-AS-AP - Exa Bytes Network Sdn.Bhd., MY
Network (CIDR)	43.252.212.0/22

Web Services (35%)				0 / 8
#	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%)				0 / 5
#	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>FAIL</b>	DNSSEC validation failed or zone is unsigned.	
5	<b>Reverse DNS (PTR)</b>	<b>FAIL</b>	No PTR record found.	
6	<b>DS Record at Parent</b>	<b>FAIL</b>	No DS record at parent.	
7	<b>RRSIG Valid</b>	<b>FAIL</b>	No valid RRSIG found.	

#	CHECK	RESULT	DETAIL
8	<b>Signing Algorithm</b>	<b>INFO</b>	No DNSKEY record found.

**Email Services** (25%) 4 / 6

#	CHECK	RESULT	DETAIL
1	<b>MX Record Exists</b>	<b>PASS</b>	MX record found.
2	<b>MX Server Has IPv6</b>	<b>PASS</b>	MX server has AAAA record.
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>PASS</b>	SPF record found.
6	<b>DKIM Selector</b>	<b>INFO</b>	No common DKIM selector found.
7	<b>DMARC Record</b>	<b>PASS</b>	DMARC record found.

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

#	CHECK	RESULT	DETAIL
1	<b>A Record</b>	<b>PASS</b>	43.252.215.17
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 673ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 660ms TTFB.

### Audit Trail & Evidence Record

Verification ID	9fcc021c-2216-48f9-a2f7-67ce6bee741b
Domain	tvalhijrah.com
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:41:29 MYT
Finished	04 Jul 2026, 03:41:56 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/9fcc021c-2216-48f9-a2f7-67ce6bee741b

### Integrity Verification

<b>✓ INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	9acc65d29453292fa3589108047becca35f77a0f150a6300ebac65fc8f93eab7
http_headers	d55161553ecb5aa830293f2c45fd4830d1282a7588f5e59503b1c0032ee4c0f3
dns_responses	65925c3ceea5a17389210176a3d6e1f78eddf0e8a101231009ea62abd6641d62
tls_handshake	31c4be74673e1db812e27f5fddae995fe1021f9c85735831b7a59b56ddd3d8f7
connectivity_log	8e612f052907a7f89c68997f25f1f44e5b7165f341c9f2acd11055ecd13c2c3e
dns_resolution_times	dd004666aa2de1e2daa801cd68e6a7ad78ee8786b13cac7e57e0e317dc296137

### 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	10.23	21.29	14.7	23.41	+4.5
Google	IPv4	35.45	41.58	42.07	46.18	+6.6
Google	IPv6	45.46	47.84	30.83	31.6	-14.6
Cloudflare	IPv4	10.43	10.64	11.15	21.23	+0.7
Cloudflare	IPv6	24.76	55.29	23.42	54.92	-1.3



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63060
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
tvalhijrah.com. 3600 IN A 43.252.215.17
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 20263
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com. 876 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1783107666 1800 900 604800 900
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 36691
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
tvalhijrah.com. 3600 IN MX 30 filter30.antispamcloud.com.
tvalhijrah.com. 3600 IN MX 40 filter40.antispamcloud.com.
tvalhijrah.com. 3600 IN MX 10 filter10.antispamcloud.com.
tvalhijrah.com. 3600 IN MX 20 filter20.antispamcloud.com.
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 35943
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
tvalhijrah.com. 3600 IN NS ns3.wpdns.com.
tvalhijrah.com. 3600 IN NS ns1.wpdns.com.
tvalhijrah.com. 3600 IN NS ns2.wpdns.com.
```

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 30061
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
tvalhijrah.com. 3600 IN TXT "v=spf1 mx a include:seuressl.net -all"
```

### AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 42206
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
tvalhijrah.com. 3576 IN SOA kldns3. hostmaster. 86 900 600 86400 3600
```

### RRSIG

```
kldns3. hostmaster. 86 900 600 86400 3600
```

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**DNSKEY**

```
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 36077
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
tvalhijrah.com. IN SOA kldns3. hostmaster. 86 900 600 86400 3600
```

**DNSSEC\_VALIDATION**

```
; unsigned answer
tvalhijrah.com. IN SOA kldns3. hostmaster. 86 900 600 86400 3600
```





```
p4QRiY0tK2diRENLSF2KysFwbY6B26BFefs3v1sYVRhFW9nLk0rQVporCS0KyZmf
wVD89qSTlnctLcZnIavjKsKUUlnAliU0yYMdYepKR7LWbnwhdx3ewok=
----END CERTIFICATE-----
---
Server certificate
subject=CN = www.tvalhijrah.com
issuer=C = US, O = Let's Encrypt, CN = R13
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: RSA-PSS
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 3151 bytes and written 396 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_AES_256_GCM_SHA384
Server public key is 2048 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
Early data was not sent
Verify return code: 0 (ok)
---
DONE
```

## HTTP Response Evidence

### IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	43.252.215.17
Connect Time	22.83 ms
TTFB	695.49 ms
Total Time	695.58 ms

#### Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:41:53 GMT",
  "2": "Server: Apache",
  "3": "Location: https://tvalhijrah.com/",
  "4": "Content-Type: text/html; charset=iso-8859-1",
  "6": "HTTP/1.1 200 OK",
  "7": "Date: Fri, 03 Jul 2026 19:41:53 GMT",
  "8": "Server: Apache",
  "9": "Link: <https://tvalhijrah.com/wp-json/>; rel=\"https://api.w.org/\", <https://tvalhijrah.com/wp-json/wp/v2/pages/3800>; rel=\"alternate\"; title=\"JSON\"; type=\"application/json\", <https://tvalhijrah.com/>; rel=shortlink",
  "10": "Content-Type: text/html; charset=UTF-8"
}
```

### IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	43.252.215.17
Connect Time	1.93 ms
TTFB	662.03 ms
Total Time	662.07 ms

#### Response Headers:

```
[
  "HTTP/1.1 200 OK",
  "Date: Fri, 03 Jul 2026 19:41:54 GMT",
  "Server: Apache",
  "Link: <https://tvalhijrah.com/wp-json/>; rel=\"https://api.w.org/\", <https://tvalhijrah.com/wp-json/wp/v2/pages/3800>; rel=\"alternate\"; title=\"JSON\"; type=\"application/json\", <https://tvalhijrah.com/>; rel=shortlink",
  "Content-Type: text/html; charset=UTF-8"
]
```

## Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.001964 0.006266
TCP Connect IPv4 → port 443	200 0.002146 1.115922

**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
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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
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
```