

IPv6 Readiness Report

redone.com.my — redone.com.my



Scan to verify

Category: Telco • Generated: 13 Jun 2026, 19:31 MYT • Last Checked: 13 Jun 2026, 01:03 MYT • Verification ID: ae1839fc-c4e3-438f-82fe-be4773c83f82

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

Audit trail: <https://ipv6.my6.my/audit/ae1839fc-c4e3-438f-82fe-be4773c83f82>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>47%</p> <p>No IPv6 Support</p>	<p>IPv6-ONLY READINESS</p> <p>Website: X Not Ready</p> <p>DNS: ✓ Ready</p> <p>Email: X Not Ready</p>
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<p>IPv4 ADDRESSES</p> <p>43.252.214.46</p>

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	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	Signing Algorithm	INFO	No DNSKEY record found.

Email Services (25%) 4 / 6

#	CHECK	RESULT	DETAIL
1	MX Record Exists	PASS	MX record found.
2	MX Server Has IPv6	PASS	MX server has AAAA record.
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	DKIM selector found: selector1_domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	43.252.214.46
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	ae1839fc-c4e3-438f-82fe-be4773c83f82
Domain	redone.com.my
Check Mode	Scheduled
Status	Completed
Started	13 Jun 2026, 01:02:58 MYT
Finished	13 Jun 2026, 01:03:47 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/ae1839fc-c4e3-438f-82fe-be4773c83f82

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	06d7f9343eae50981c3a3b2ef087b84ed9283792a60a572154dcd03b513486b3
http_headers	d6fc3846a7ce6222b241a5c5882050017ad4c5312499508498301e3200fcfbf96
dns_responses	56d5a8e552a1bc539fda68685700403e9f7f2837833b7a615021eb596597986c
tls_handshake	c0730c187baeb367224968a6b07d98961055c986462542b76501f2e0746573a3
connectivity_log	7aeea8b721153deb7272971d86fcbe5e78c314bcdbe40cf3fc7781e215194c59
dns_resolution_times	178466b51ada677232f1fe437a645e2ffa01e4950ef6fcb350e3e1571df2c1e8

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	12.08	19.12	22.61	23.02	+10.5
Google	IPv4	34.46	36.38	34.39	35.1	-0.1
Google	IPv6	22.81	29.23	20.59	38.22	-2.2
Cloudflare	IPv4	22.97	23.08	23.1	23.26	+0.1
Cloudflare	IPv6	24.2	24.48	18.62	21.12	-5.6

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 3682
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
redone.com.my. 300 IN A 43.252.214.46
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 62526
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 3511 IN SOA e.nic.my. hostmaster.nic.my. 2026046677 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 18307
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
redone.com.my. 300 IN MX 10 mx2.hc1557-76.ap.ipmx.com.
redone.com.my. 300 IN MX 0 redone-com-my.mail.protection.outlook.com.
redone.com.my. 300 IN MX 10 mx1.hc1557-76.ap.ipmx.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 32086
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
redone.com.my. 86400 IN NS razvan.ns.cloudflare.com.
redone.com.my. 86400 IN NS cruz.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 53132
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
redone.com.my. 300 IN TXT "google-site-verification=gY0X_yevJpNbaGJj-QKaoF0UPGkTsERMYK_mt0RD8r8"
redone.com.my. 300 IN TXT "v=DMARC1; p=reject; pct=100; rua=mailto:postmaster@redone.com.my"
redone.com.my. 300 IN TXT "v=spf1 mx ip4:211.24.122.211 ip4:1.9.116.241 include:spf.protection.outlook.com exists:%{1}.spf.hc1557-76.ap.ipmx.com -all"
redone.com.my. 300 IN TXT "google-site-verification=-med4XFFPdak92gn3Kbu6Zwdc5gTb35gX0EdtgqT3BY"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 56653
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
redone.com.my. 1762 IN SOA cruz.ns.cloudflare.com. dns.cloudflare.com. 2406716464 10000 2400 604800 1800
```

RRSIG

```
cruz.ns.cloudflare.com. dns.cloudflare.com. 2406716464 10000 2400 604800 1800
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 41678
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
redone.com.my. IN SOA cruz.ns.cloudflare.com. dns.cloudflare.com. 2406716464 10000 2400 604800 1800
```

DNSSEC_VALIDATION

```
; unsigned answer
redone.com.my. IN SOA cruz.ns.cloudflare.com. dns.cloudflare.com. 2406716464 10000 2400 604800 1800
```



```

BgEFBQcBAQRqMGgwPwYIKwYBBQUHMAKGM2h0dHA6Ly9jc nQuDXNl cnRydXN0LmNv
bS9VU0VSUHJ1c3RSU0FBZGRUcnVzdENBLmNydDA1BggrBgEFBQcwAYYZaHR0cDov
L29jc3AudXNl cnRydXN0LmNvbTANBgkqhkiG9w0BAQwFAAOCAGeAMr9hvQ5Iw0/H
ukdN+Jx4GQHcEx2Ab/zDcLR5mJzmldS+zGea6TVVKqJjUAXaPgREHzSyrHxVYbH
7rM2kYb20VG/Rr8PoLq0935JxCo2F57kaD16r5R0Vm+yezu/Coa9zcV3HA040LGi
H19+24rcRki2aArPsrw04jTkZ6k4ZgLe0rj8nSg6F0AnwnJOKf0hPHzPE/uWLMUX
RP0T7dWbqWlod3zu4f+k+TY4CFM5ooQ0nBnzvg6s1SQ36y0eNDT5++SR2Ri0SLv
xvcRv1KFxmZEJCa0EDKNyJ0uB56DPi/Z+fVGjm0+wea03KbNIaiGCPxZLOUmGv38
sbZXQm2V0TP2ORQGgkE49Y9Y3IBbpNV9LXj9p5v//cWoaasm56ekBYdbqbe4oyAL
l6lFhd2zi+WJN44pDfwGF/Y4QA5C5BIG+3vzxhFoYt/jmPQT2BVP17Fp2RBgvGQq
6jG35LWj0hSbJumLe/0CjraZwTiXWTb2qHSihrZe68Zk6s+go/LunrotEbaGmAhY
LcmsJWTyXnW00MGuf1pGg+pRyrbxmRE1a6Vqe8YAsOf4vmSyrjc8azjUeqkk+B5
y0GBQMkKw+ESPMFgKu0XwILCypTPRpgSabuY0MLTDXJLR27Lk80yKGOHQ+SwMj4K
00u/ISsUKUErmgQfky3xxz1IPK1aEn8=
-----END CERTIFICATE-----
2 s:C = US, ST = New Jersey, L = Jersey City, O = The USERTRUST Network, CN = USERTrust RSA Certification Authority
i:C = GB, ST = Greater Manchester, L = Salford, O = Comodo CA Limited, CN = AAA Certificate Services
a:PKKEY: rsaEncryption, 4096 (bit); sigalg: RSA-SHA384
v:NotBefore: Mar 12 00:00:00 2019 GMT; NotAfter: Dec 31 23:59:59 2028 GMT
-----BEGIN CERTIFICATE-----
MIIFgTCCBgmgAwIBAgIQ0XJE0vkit1HX02wQ3TE1LTANBgkqhkiG9w0BAQwFADB7
MQswCQYDVQQGEwJH0jEbmBkGA1UECAwSR3JlYXRlc1BNYW5jaGVzdGVyMRAwDgYD
VQOHDAAdTYwmb3JkMRowGAYDVQQKBFDb21vZG8gQ0EgTGltaxRlZDEhMB8GA1UE
AwwYQUFBIENl cnRpZmljYXRRLiFNl cnZpY2VzMB4XDTE5MDMxMjAwMDAwMFoXDTE4
MTIzMTIzNTk1OVowgYgxCzAJBgNVBAYTALVTRMRWEOYDVQIQIEwpOZXcgSmVyc2V5
MRQwEgYDVQQHEwtKZXJzZXkgQ2l0eTEeMBwGA1UEChMVVGVhLiFVTRVJUULVTVCB0
ZXR3b3JrMS4wLAYDVQQDEyVUU0VSUHJ1c3Q0guUNBIENl cnRpZmljYXRpb24gQXV0

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	302
Connected IP	43.252.214.46
Connect Time	7.3 ms
TTFB	4197.55 ms
Total Time	4197.73 ms
Error	Maximum (3) redirects followed

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 12 Jun 2026 17:03:35 GMT",
  "2": "Server: Apache",
  "3": "Location: https://redone.com.my/",
  "4": "Content-Type: text/html; charset=iso-8859-1",
  "6": "HTTP/2 301",
  "7": "pragma: public",
  "8": "expires: Fri, 12 Jun 2026 18:03:37 GMT",
  "9": "cache-control: max-age=3600",
  "10": "x-redirect-by: WordPress",
  "11": "last-modified: Fri, 12 Jun 2026 16:32:30 GMT",
  "12": "etag: \"d41d8cd98f00b204e9800998ecf8427e\"",
  "13": "location: https://www.redone.com.my/",
  "14": "vary: User-Agent",
  "15": "access-control-allow-origin: *",
  "16": "referrer-policy: no-referrer-when-downgrade",
  "17": "content-type: text/html; charset=UTF-8",
  "18": "date: Fri, 12 Jun 2026 17:03:35 GMT",
  "19": "server: Apache",
  "21": "HTTP/2 301",
  "22": "pragma: public",
  "23": "expires: Fri, 12 Jun 2026 18:03:39 GMT",
  "24": "cache-control: max-age=3600",
  "25": "x-redirect-by: redirection",
  "26": "last-modified: Fri, 12 Jun 2026 16:26:11 GMT",
  "27": "etag: \"d41d8cd98f00b204e9800998ecf8427e\"",
  "28": "location: https://www.redone.com.my/en",
  "29": "vary: User-Agent",
  "30": "access-control-allow-origin: *",
  "31": "referrer-policy: no-referrer-when-downgrade",
  "32": "content-type: text/html; charset=UTF-8",
  "33": "date: Fri, 12 Jun 2026 17:03:37 GMT",
  "34": "server: Apache",
  "36": "HTTP/2 302",
  "37": "location: https://www.redonemobile.com.my/en",
  "38": "content-type: text/html; charset=iso-8859-1",
  "39": "date: Fri, 12 Jun 2026 17:03:39 GMT",
  "40": "server: Apache"
}
```

IPv4 HTTPS (port 443)

HTTP Status	301
Connected IP	43.252.214.46
Connect Time	10.05 ms
TTFB	5193.42 ms
Total Time	5193.61 ms
Error	Maximum (3) redirects followed

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "pragma: public",
  "2": "expires: Fri, 12 Jun 2026 18:03:42 GMT",
  "3": "cache-control: max-age=3600",
  "4": "x-redirect-by: WordPress",
  "5": "last-modified: Fri, 12 Jun 2026 16:32:30 GMT",
}
```

```

"6": "etag: \"d41d8cd98f00b204e9800998ecf8427e\"",
"7": "location: https://www.redone.com.my/",
"8": "vary: User-Agent",
"9": "access-control-allow-origin: *",
"10": "referrer-policy: no-referrer-when-downgrade",
"11": "content-type: text/html; charset=UTF-8",
"12": "date: Fri, 12 Jun 2026 17:03:39 GMT",
"13": "server: Apache",
"15": "HTTP/2 301",
"16": "pragma: public",
"17": "expires: Fri, 12 Jun 2026 18:03:44 GMT",
"18": "cache-control: max-age=3600",
"19": "x-redirect-by: redirection",
"20": "last-modified: Fri, 12 Jun 2026 16:26:11 GMT",
"21": "etag: \"d41d8cd98f00b204e9800998ecf8427e\"",
"22": "location: https://www.redone.com.my/en",
"23": "vary: User-Agent",
"24": "access-control-allow-origin: *",
"25": "referrer-policy: no-referrer-when-downgrade",
"26": "content-type: text/html; charset=UTF-8",
"27": "date: Fri, 12 Jun 2026 17:03:42 GMT",
"28": "server: Apache",
"30": "HTTP/2 302",
"31": "location: https://www.redonemobile.com.my/en",
"32": "content-type: text/html; charset=iso-8859-1",
"33": "date: Fri, 12 Jun 2026 17:03:44 GMT",
"34": "server: Apache",
"36": "HTTP/2 301",
"37": "expires: Fri, 12 Jun 2026 18:03:45 GMT",
"38": "cache-control: max-age=3600",
"39": "x-redirect-by: WordPress",
"40": "location: https://www.redonemobile.com.my/en/",
"41": "vary: User-Agent",
"42": "access-control-allow-origin: *",
"43": "referrer-policy: no-referrer-when-downgrade",
"44": "content-type: text/html; charset=UTF-8",
"45": "date: Fri, 12 Jun 2026 17:03:44 GMT",
"46": "server: Apache"
}
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.002892 0.005928
TCP Connect IPv4 → port 443	301 0.002367 0.040855

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
    
```