


IPv6 Readiness Report

redone.com.my — redone.com.my

Category: Telco • Generated: 21 Apr 2026, 18:55 MYT • Last Checked: 07 Mar 2026, 01:14 MYT • Verification ID: 65febc86-1ef5-44c7-aa0b-e6df9c4fd2cf

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

Audit trail: <https://ipv6.my6.my/audit/65febc86-1ef5-44c7-aa0b-e6df9c4fd2cf>

 Non-Compliant <small>MGv6C-1.0</small>	47% Partial Support	IPV6-ONLY READINESS Website: ✗ Not Ready DNS: ✓ Ready Email: ✗ Not Ready
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IPV4 ADDRESSES 43.252.214.46
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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	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.
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	65febc86-1ef5-44c7-aa0b-e6df9c4fd2cf
Domain	redone.com.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:14:22 MYT
Finished	07 Mar 2026, 01:14:57 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/65febc86-1ef5-44c7-aa0b-e6df9c4fd2cf

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	415aabdfc21b1256e59116c54ea1b04de7a986956159a554d2f0bb99fd150003
http_headers	2605adb9abbbb115b35b6581faf6d1e3f65aa12542ac5426a8522c126ccaa126
dns_responses	ac7cf249a3eec8e6cba9e0b8db9fe10c4861f863a044cb9597c79bc7dfaff25f
tls_handshake	c0730c187baeb367224968a6b07d98961055c986462542b76501f2e0746573a3
connectivity_log	952458adb4c1ea42d4510c3ac6c33d030bc24309bfa8c9a6c2b55e94873b9fa5
dns_resolution_times	818014873d7c9e0f6a76b71a19825ffeaa83adf1fc4531b0570741603d8d897b

Test Node Identity

Os	Linux srv1440888 6.8.0-101-generic #101-Ubuntu SMP PREEMPT_DYNAMIC Mon Feb 9 10:15:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.30
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	7.92	9.02	6.79	16.2	-1.1
Google	IPv4	19.96	29.1	19.13	24.01	-0.8
Google	IPv6	16	21.92	22.28	28.76	+6.3
Cloudflare	IPv4	8.06	9.85	9.98	21.3	+1.9
Cloudflare	IPv6	11.85	18.1	22.36	22.51	+10.5

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 35940
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
redone.com.my. 300 IN A 43.252.214.46
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 26277
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 1775 IN SOA b.nic.my. hostmaster.nic.my. 2026018482 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 61619
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
redone.com.my. 141 IN MX 10 mx1.hc1557-76.ap.iphmx.com.
redone.com.my. 141 IN MX 0 redone-com-my.mail.protection.outlook.com.
redone.com.my. 141 IN MX 10 mx2.hc1557-76.ap.iphmx.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 18484
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
redone.com.my. 21600 IN NS razvan.ns.cloudflare.com.
redone.com.my. 21600 IN NS cruz.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 21618
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
redone.com.my. 300 IN TXT "v=DMARC1; p=reject; pct=100; rua=mailto:postmaster@redone.com.my"
redone.com.my. 300 IN TXT "google-site-verification=gY0X_yevJpNbaGJj-QKaoF0UPGKtsERMYK_mtORD8r8"
redone.com.my. 300 IN TXT "google-site-verification=-med4XFFPdak92gn3Kbu6Zwdc5gTb35gX0EdtgqT3BY"
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:%{i}.spf.hc1557-76.ap.iphmx.com -all"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 12072
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
redone.com.my. 1800 IN SOA cruz.ns.cloudflare.com. dns.cloudflare.com. 2398084905 10000 2400 604800 1800
```

RRSIG

```
cruz.ns.cloudflare.com. dns.cloudflare.com. 2398084905 10000 2400 604800 1800
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 62264
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
redone.com.my. 1775 IN SOA cruz.ns.cloudflare.com. dns.cloudflare.com. 2398084905 10000 2400 604800 1800
```

DNSSEC_VALIDATION

```
; unsigned answer
redone.com.my. 1800 IN SOA cruz.ns.cloudflare.com. dns.cloudflare.com. 2398084905 10000 2400 604800 1800
```



```

BgEFBQcBAQRqMGgwPwYIKwYBBQUHMAKGM2h0dHA6Ly9jcjcnQuDXNlcnRydXN0LmNmV
bS9VU0VSUHJ1c3RSU0FBZGRUcnVzdENBLmNydDA1BggrBgEFBQcwAYYZaHR0cDov
L29jc3AudXNlcnRydXN0LmNmVbTANBgkqhkiG9w0BAQwFAAOCAGEMr9hvQ5Iw0/H
ukdN+Jx4GQHcEx2Ab/zDcLRSmjEzmldS+zGea6TVVKqJjUAXaPgREHzSyrHxVYbH
7rM2kYb20VG/Rr8PoLq0935JxCo2F57kaD16r5R0Vm+yezu/Coa9zcV3HA040LGi
H19+24rcRki2aArPsrw04jTkZ6k4ZgLe0rj8nSg6F0AnwnJOKf0hPHzPE/uWLMUX
RP0T7dWbqWlod3zu4f+k+TY4CFM5ooQ0nBnzvg6s1SQ36y0eNDT5++SR2Ri0SLv
xvcRv1KFxmZEJCa0EDKNyJ0uB56DPi/Z+fVGjm0+wea03KbNIaiGCPxZLOUmGv38
sbZXQm2V0TP2ORQGgkE49Y9Y3IBbpNV9LXj9p5v//cWoaasm56ekBYdbqbe4oyAL
l6lFhd2zi+WJN44pDfwGF/Y4QA5C5BIG+3vzxhFoYt/jmPQT2BVPi7Fp2RBgvGQq
6jG35LWj0hSbJuMLe/0CjraZwTiXWTb2qHSihrZe68Zk6s+go/LunrotEbaGmAhY
LcmsJWTyXnW00MGuf1pGg+pRyrbxmRE1a6Vqe8YAsOf4vmSyrCjC8azjUeqkk+B5
y0GBQMkKw+ESPMFgKu0XwILCypTPRpgSabuY0MLTDXJLR27Lk80yKG0HQ+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
VQOHDAAdTYwmb3JkMR0wGAYDVQQKBFDb21vZG8gQ0EgTGltaxRlZDEhMB8GA1UE
AwwYQUFBIENlcnRpb2ljYXRRLiFNlcnZpY2VzMB4XDTE5MDMxMjAwMDAwMFoXDTE4
MTIzMTIzNTk1OVowGyGxCzAJBgNVBAYTALVTRMRWEOYDVQVQIEwp0ZXcgSmVyc2V5
MRQwEgYDVQQHEwtKZjZzZXkgQ2l0eTEeMBwGA1UEChMVVGVhLiFVTRVJUULVTVCB0
ZXR3b3JrMS4wLAYDVQQDEyVUU0VSUHJ1c3Q0guUNBIENlcnRpb2ljYXRpb24gQXV0

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	302
Connected IP	43.252.214.46
Connect Time	7.62 ms
TTFB	2367.13 ms
Total Time	2367.26 ms
Error	Maximum (3) redirects followed

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 06 Mar 2026 09:14:49 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, 06 Mar 2026 10:14:50 GMT",
  "9": "cache-control: max-age=3600",
  "10": "x-redirect-by: WordPress",
  "11": "last-modified: Fri, 06 Mar 2026 08:28:15 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, 06 Mar 2026 09:14:49 GMT",
  "19": "server: Apache",
  "21": "HTTP/2 301",
  "22": "pragma: public",
  "23": "expires: Fri, 06 Mar 2026 10:14:52 GMT",
  "24": "cache-control: max-age=3600",
  "25": "x-redirect-by: redirection",
  "26": "last-modified: Fri, 06 Mar 2026 08:47:39 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, 06 Mar 2026 09:14:50 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, 06 Mar 2026 09:14:52 GMT",
  "40": "server: Apache"
}
```

IPv4 HTTPS (port 443)

HTTP Status	301
Connected IP	43.252.214.46
Connect Time	7.39 ms
TTFB	2270.1 ms
Total Time	2270.23 ms
Error	Maximum (3) redirects followed

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "pragma: public",
  "2": "expires: Fri, 06 Mar 2026 10:14:55 GMT",
  "3": "cache-control: max-age=3600",
  "4": "x-redirect-by: WordPress",
  "5": "last-modified: Fri, 06 Mar 2026 08:28:15 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, 06 Mar 2026 09:14:54 GMT",
"13": "server: Apache",
"15": "HTTP/2 301",
"16": "pragma: public",
"17": "expires: Fri, 06 Mar 2026 10:14:56 GMT",
"18": "cache-control: max-age=3600",
"19": "x-redirect-by: redirection",
"20": "last-modified: Fri, 06 Mar 2026 08:47:39 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, 06 Mar 2026 09:14:55 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, 06 Mar 2026 09:14:56 GMT",
"34": "server: Apache",
"36": "HTTP/2 301",
"37": "pragma: public",
"38": "expires: Fri, 06 Mar 2026 10:14:56 GMT",
"39": "cache-control: max-age=3600",
"40": "x-redirect-by: WordPress",
"41": "last-modified: Fri, 06 Mar 2026 08:28:17 GMT",
"42": "etag: \"d41d8cd98f00b204e9800998ecf8427e\"",
"43": "location: https://www.redonemobile.com.my/en/",
"44": "vary: User-Agent",
"45": "access-control-allow-origin: *",
"46": "referrer-policy: no-referrer-when-downgrade",
"47": "content-type: text/html; charset=UTF-8",
"48": "date: Fri, 06 Mar 2026 09:14:56 GMT",
"49": "server: Apache"
}
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.001815 0.005155
TCP Connect IPv4 → port 443	301 0.002377 0.043721

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
    
```