# IPv6 Readiness Report

**malaysiaairports.com.my — malaysiaairports.com.my**

Scan to verify

Category: Enterprise • Generated: 02 Nov 2026, 03:13 MYT • Last Checked: 08 Aug 2026, 18:30 MYT • Verification ID: 9e7083e0-bea8-4323-9da6-ce0245e97af2
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/9e7083e0-bea8-4323-9da6-ce0245e97af2

✗

**Non-Compliant**

MGv6C-1.0

**45%**

**No IPv6 Support**

**IPV6-ONLY READINESS**

Website: ✗ **Not Ready**

DNS: ✗ **Not Ready**

Email: ✓ **Ready**

**IPV4 ADDRESSES**

52.253.83.103

## Network Information (WHOIS / RDAP)

| | IPv4 Network |
|---|---|
| Organization | Microsoft Corporation |
| Country | US |
| ASN | AS8075 |
| ASN Name | MICROSOFT-CORP-MSN-AS-BLOCK - Microsoft Corporation, US |
| Network (CIDR) | 52.224.0.0/11 |

## 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** | FAIL | No nameserver has an AAAA record. |
| 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** | PASS | DNSSEC fully validated. |
| 5 | **Reverse DNS (PTR)** | FAIL | No PTR record found. |
| 6 | **DS Record at Parent** | PASS | DS record found at parent zone. |
| 7 | **RRSIG Valid** | PASS | RRSIG signatures are current and valid. |

| # | CHECK | RESULT | DETAIL |
|---|---|---|---|
| 8 | **Signing Algorithm** | INFO | RSASHA256 |

## Email Services (25%) — 6 / 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** | PASS | SMTP port 25 responds over IPv6. |
| 4 | **STARTTLS over IPv6** | PASS | STARTTLS supported over IPv6. |
| 5 | **SPF Record** | PASS | SPF record found. |
| 6 | **DKIM Selector** | INFO | DKIM selector found: google._domainkey |
| 7 | **DMARC Record** | PASS | DMARC record found. |

## IPv4 Baseline (15%) — 3 / 3

| # | CHECK | RESULT | DETAIL |
|---|---|---|---|
| 1 | **A Record** | PASS | 52.253.83.103 |
| 2 | **HTTP over IPv4** | PASS | HTTP (port 80) responds over IPv4 — 141ms TTFB. |
| 3 | **HTTPS over IPv4** | PASS | HTTPS (port 443) responds over IPv4 — 238ms TTFB. |

## Audit Trail & Evidence Record

| | |
|---|---|
| **Verification ID** | 9e7083e0-bea8-4323-9da6-ce0245e97af2 |
| **Domain** | malaysiaairports.com.my |
| **Check Mode** | Manual |
| **Status** | Completed |
| **Started** | 08 Aug 2026, 18:30:15 MYT |
| **Finished** | 08 Aug 2026, 18:30:20 MYT |
| **Test Node Profile** | dual stack |
| **Engine Version** | 2.0.0 |
| **MGv6C Version** | 1.0.0 |
| **Audit URL** | https://ipv6.my6.my/audit/9e7083e0-bea8-4323-9da6-ce0245e97af2 |

## Integrity Verification

✓ **INTEGRITY VERIFIED**

| | |
|---|---|
| **Algorithm** | hmac-sha256-v1 |
| **Root Hash** | da41c08d7f30febe47d9c6c9480d2b592dc9dab8f66c9ed132e9567dac3af0bc |
| **http_headers** | 33e9250a7f1f7c10e486506554097d3663cb5c40077bb1638adb22ec98c26e85 |
| **dns_responses** | 06273def671ca0aa80529ae5fa7b5bb39799f761d7f00862d7b9b4bc5bd87afe |
| **tls_handshake** | 4afef247509f683a4e8082ca27fce2ff4ccf78487a980edeabc9a21de6b69642 |
| **connectivity_log** | 7487c4c49fd90ab1ef357d1a696df9829b1465a4ebd1187b403a9d1c433085ae |
| **dns_resolution_times** | 5134b12d99afc35c013544a254f01bc098577c16cb1615a0c7c2c5eb4daa8629 |

## Test Node Identity

| | |
|---|---|
| **Os** | Linux srv1440888 6.8.0-136-generic #136-Ubuntu SMP PREEMPT_DYNAMIC Wed Jul 1 21:53:05 UTC 2026 x86_64 |
| **Hostname** | srv1440888 |
| **Php Version** | 8.3.33 |
| **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 | 22.72 | 23.04 | 22.39 | 23.87 | -0.3 |
| **Google** | IPv4 | 33.93 | 81.83 | 30.95 | 143.71 | -3 |
| **Google** | IPv6 | 35.84 | 142.77 | 151.39 | 156.94 | +115.6 |
| **Cloudflare** | IPv4 | 24.01 | 24.74 | 21.32 | 21.42 | -2.7 |
| **Cloudflare** | IPv6 | 23.38 | 38.12 | 31.95 | 34.34 | +8.6 |

## DNS Evidence

### A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 37505
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
malaysiaairports.com.my. 3600 IN A 52.253.83.103
```

### DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 17548
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
malaysiaairports.com.my. 59548 IN DS 3394 8 2 3FF8D7B059738CC35BDE71D6E2E7F6BBB53172B803A03CA9D2650821 F9FCBAD3
malaysiaairports.com.my. 59548 IN DS 3394 8 1 4F75828D1BFD38B2D8A6BE05C76711D3EA335720
```

### MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 17015
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
malaysiaairports.com.my. 3600 IN MX 10 alt3.aspmx.l.google.com.
malaysiaairports.com.my. 3600 IN MX 5 alt2.aspmx.l.google.com.
malaysiaairports.com.my. 3600 IN MX 1 aspmx.l.google.com.
malaysiaairports.com.my. 3600 IN MX 5 alt1.aspmx.l.google.com.
malaysiaairports.com.my. 3600 IN MX 10 alt4.aspmx.l.google.com.
```

### NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 19964
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 3

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
malaysiaairports.com.my. 3600 IN NS kliagate.malaysiaairports.com.my.
malaysiaairports.com.my. 3600 IN NS kliagw2.malaysiaairports.com.my.
```

### TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 43012
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 9, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
malaysiaairports.com.my. 3600 IN TXT "google-site-verification=0D-lVAPkPuOkmQD5e_99D-Fb6Ww76KxrWWTGIxIOSQ8"
malaysiaairports.com.my. 3600 IN TXT "zoho-verification=zb70838450.zmverify.zoho.com"
malaysiaairports.com.my. 3600 IN TXT "MS=ms55950863"
malaysiaairports.com.my. 3600 IN TXT "v=spf1 +a +mx ip4:101.78.24.9 ip4:101.78.24.16 ip4:101.78.20.242 ip4:219.93.7.2 ip4:219.93.7.3 ip4:219.93.7.5 ip4:219.93.7.34
ip4:219.93.7.35 ip4:121.121.255.130 include:_spf.google.com include:_spf-dc10.sapsf.com ~all"
malaysiaairports.com.my. 3600 IN TXT "google-site-verification=1DDyQWpwkzc5gZ7dkPKowc8-8sF_uFMVY74bL82Pjm8"
malaysiaairports.com.my. 3600 IN TXT "google-site-verification=qIs9frCsiNSfXEGUq98J_4bi5KjXVyyBc-ZJNbDblns"
malaysiaairports.com.my. 3600 IN TXT "v=DKIM1; k=rsa;
p=MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEA0DRyWFEsDRpXbRybOtnagXFjz6WvYlsozDgyNj4CezgVsflqqdf845E6KFA+BOpc7Pl2GrcLH+JRanqNQziUJ0suSDCmKbo39vXyIbqKIFWfHUMtDBgs/vstxeQ15ityYMKi
"tWfajgV4eHYzutzGjFusZWgrc3Z7igmC5ijkNCZckYkpbHlNWBOpqSAWBrnUDQSdxfmNZI/q8wqYgMwrmHQ6cA6rUiXFl9hgjcMw0vwJ8wQnN1NnkedKbm0gLkHVry3/qXHrDxaMgtl80T73xr9R00+9wwIDAQAB"
malaysiaairports.com.my. 3600 IN TXT "google-site-verification=CFfooCMyB-8j8rRHvoBRYt_vPxYKcwXYd4mqtlS0G8k"
malaysiaairports.com.my. 3600 IN TXT "successfactors-site-verification=MWY0NDgyYmZkNWQzMTljMGQ0ZjRhOGI0NzNhYzdlZjlhNmVjNDFkY2RlMWRmMDM0NzA4ZDI3ODUzYjM0MzE4MA=="
```

### AAAA

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 6867
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
malaysiaairports.com.my. 1799 IN SOA kliagw2.malaysiaairports.com.my. admin.dnsvault.net. 2026072400 300 3600 604800 1800
```

### RRSIG

```
kliagw2.malaysiaairports.com.my. admin.dnsvault.net. 2026072397 300 3600 604800 1800
SOA 8 3 86400 20260907022008 20260808012008 813 malaysiaairports.com.my. IPHkr8NoYuBuQhHuH4Frwl3TB0zoggKXR6iAsXjIUmQTBoHDMYLOQ8iO
KzBwo4VTzjbVdTYvcycdAboL8MMQk5SVveenX6mQqcAlHCOGA98EAlin KXZipY8vtKSlj6WywWLVoAs+n4xpTol+f786IzX8n/D8N4eV9AU2VI0p 200=
```

### DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 35186
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
malaysiaairports.com.my. 59548 IN DNSKEY 256 3 8 AwEAAcoELPy6dmfqO4jwusz7nYj+zjY7HbA8pWCZfVQdVolVqdTh2UzL JG+3f4XLDyeOY74wToFE04F1AUrfP1ai+ZfWe9+Tbn+1XsqvyRD67vAp
gbantnE6y+yiD8pjxYYjva/rDmY4+Aijlqky0IW+YOibUEnCcOgcSyoc Qrn4Y7/h
malaysiaairports.com.my. 59548 IN DNSKEY 257 3 8 AwEAAanyBLi9G8dyGJ0ZjAlN8yNDYkEVm66rqZe0BauszVkjc7dBxtGu yw+h39ZY1tk6WSoRGBXfya/VTXB/BG04vwJ3o/ECz31txT+2J5opnWJV
gyowxXhoUe95GpOJq5DWZPkR/89nTRHmL8NBpIKhevVIobqlLZraqAs/ VyuSwSAbkC4muuy2zdXjFLLs5Dy3v41MpFo0fIq7jbWhgsafxZpWhAs3
iyYXOA3FBd0r/8yXwxskoC+wF+mgyWiQwcEse6IcfjQEMh0tDlERQsuF M3iSFVEHBw20SVpm0TJ/pSx/mUjINHbIfQ6FJznXyolLWB29449Xsd30 xciWu4kJQwU=
```

### DNSSEC_VALIDATION

```
; fully validated
malaysiaairports.com.my. 59548 IN SOA kliagw2.malaysiaairports.com.my. admin.dnsvault.net. 2026072397 300 3600 604800 1800
malaysiaairports.com.my. 59548 IN RRSIG SOA 8 3 86400 20260907022008 20260808012008 813 malaysiaairports.com.my.
IPHkr8NoYuBuQhHuH4Frwl3TB0zoggKXR6iAsXjIUmQTBoHDMYLOQ8iO KzBwo4VTzjbVdTYvcycdAboL8MMQk5SVveenX6mQqcAlHCOGA98EAlin
KXZipY8vtKSlj6WywWLVoAs+n4xpTol+f786IzX8n/D8N4eV9AU2VI0p 200=
```

## TLS Handshake Evidence

### IPV4 Connection

| | |
|---|---|
| **IP Used** | 52.253.83.103 |
| **IP Version** | 4 |

```
depth=2 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
verify return:1
depth=1 C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
verify return:1
depth=0 C = MY, ST = Selangor, L = Sepang, O = Malaysia Airports Holdings Berhad, CN = *.malaysiaairports.com.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:C = MY, ST = Selangor, L = Sepang, O = Malaysia Airports Holdings Berhad, CN = *.malaysiaairports.com.my
   i:C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Nov  7 00:00:00 2025 GMT; NotAfter: Dec  1 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIHFjCCBf6gAwIBAgIQDx/BB8S17oRl9offp69ouTANBgkqhkiG9w0BAQsFADBZ
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMTMwMQYDVQQDEypE
aWdpQ2VydCBHbG9iYWwgRzIgVExTIFJTQSBTSEEyNTYgMjAyMCBDQTEwHhcNMjUx
MTA3MDAwMDAwWhcNMjYxMjAxMjM1OTU5WjCBgTELMAkGA1UEBhMCTVkxETAPBgNV
BAgTCFNlbGFuZ29yMQ8wDQYDVQQHEwZTZXBhbmcxKjAoBgNVBAoTIU1hbGF5c2lh
IEFpcnBvcnRzIEhvbGRpbmdzIEJlcmhhZDEiMCAGA1UEAwwZKi5tYWxheXNpYWFp
cnBvcnRzLmNvbS5teTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAMLZ
84ZuObPdJ1oRfc+ZPivsO2NPwK4XhWPfylRQz6THzafhFGnDprtrzBz/nAUiZN/B
teVKY+62TYpNeHMkWhUkQpwwu+mF5o1duvS7D7f0kRrffzN4epZ8qs0og1XyeYIw
5tYYhLPjxC2JMszGVkAN4Ggal5Be1OTxIWMvjHpomdqd3K+IAk0rAU3U/DFOnQ/s
3KKpIPNqVrQ7yc7a+wn2FYiJxuK9adlLtr+SPG9meSJ163aF7PzhSPiIFTp+iW/z
yBv7uHI0pgbGe4dEBUA6qVcL1PEvdVOVrFfD4a66Iy9vC1yMLASyTPSGMSlzKnzy
bhvcKvg+m5yEzcQDbqUCAwEAAaOCA68wggOrMB8GA1UdIwQYMBaAFHSFgMBmx983
3s+9KTeqAx2+7c0XMB0GA1UdDgQWBBRpXKAinMS+9D2O5vjt/lmv85DivDA9BgNV
HREENjA0ghkqLm1hbGF5c2lhYWlycG9ydHMuY29tLm15ghdtYWxheXNpYWFpcnBv
cnRzLmNvbS5teTA+BgNVHSAENzA1MDMGBmeBDAECAjApMCcGCCsGAQUFBwIBFhto
dHRwOi8vd3d3LmRpZ2ljZXJ0LmNvbS9DUFMwDgYDVR0PAQH/BAQDAgWgMB0GA1Ud
JQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjCBnwYDVR0fBIGXMIGUMEigRqBEhkJo
dHRwOi8vY3JsMy5kaWdpY2VydC5jb20vRGlnaUNlcnRHbG9iYWxHMlRMU1JTQVNI
QTI1NjIwMjBDQTEtMS5jcmwwSKBGoESGQmh0dHA6Ly9jcmw0LmRpZ2ljZXJ0LmNv
bS9EaWdpQ2VydEdsb2JhbEcyVExTUlNBU0hBMjU2MjAyMENBMS0xLmNybDCBhwYI
KwYBBQUHAQEEezB5MCQGCCsGAQUFBzABhhhodHRwOi8vb2NzcC5kaWdpY2VydC5j
b20wUQYIKwYBBQUHMAKGRWh0dHA6Ly9jYWNlcnRzLmRpZ2ljZXJ0LmNvbS9EaWdp
Q2VydEdsb2JhbEcyVExTUlNBU0hBMjU2MjAyMENBMS0xLmNydDAMBgNVHRMBAf8E
AjAAMIIBfwYKKwYBBAHWeQIEAgSCAW8EggFrAWkAdgDYCVU7lE96/8gWGW+UT4Wr
sPj8XodVJg8V0S5yu0VLFAAAAZpdhuz/AAAEAwBHMEUCIQCz/FyRek0TLicRqPf3
tqxMjLEJ5joQTvlvi+EbVPRY7wIgFeMxloheR4vHMDiHBXdWOFCSpSoSNMybmP2r
FBihWx4AdgDCMX5XRRmjRe5/ON6ykEHrx8IhWiK/f9W1rXaa2Q5SzQAAAZpdhu0G
AAAEAwBHMEUCIDHplPoQR3MIAx+4hRY2dvt3G9KIWtGh9q1cCBj3JLE4AiEAkQ3U
c+sIea1h4UECLBdx8Iphn67Z/oGGQgaE5OJ0HtUAdwCUTkOH+uzB74HzGSQmqBhl
AcfTXzgCAT9yZ31VNy4Z2AAAAZpdhu0ZAAAEAwBIMEYCIQCPIOwRMde79XX1QqeX
sl0mIgtx+4Bk1Vbm+ERcmma1swIhANIxgJr82k/ioFB/yi2ChEN+4qy5uH2lI6AW
472B5qgCMA0GCSqGSIb3DQEBCwUAA4IBAQDI73UJ7FgFWplXIc6WU0sQXyOaGsn9
PJ46w4gQxPPUsxfIM44PXDJeBuFAEgnnzE263rP1BA8QFGyEdHhYSJmNC6NyKsZg
uIePClE7/Fjg2Oev4x+/DMOqiLYzxdJpyHlI1+a41ZhjHBpnTsOqOg8T/7os32ul
LOz1shPwfndqkotq2+7NO9Y5w0UUtehbzrHHlqfmN+vIOGPIP+lE9S8KJ7G8ifFr
aY7X85deI/rzJxKCyVgSG5EU6Ytwq8myEZ/sat3vAueM0nZrRFHFAN1vy3NkBgrw
l4gtlcGoSbT07gIqfWN8DKIIJbcR6FqWO6d3eGpbbQHoXPA3Q0GrBX9F
-----END CERTIFICATE-----
 1 s:C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
   i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Mar 30 00:00:00 2021 GMT; NotAfter: Mar 29 23:59:59 2031 GMT
-----BEGIN CERTIFICATE-----
MIIEyDCCA7CgAwIBAgIQDPW9BitWAvR6uFAsI8zwZjANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBH
MjAeFw0yMTAzMzAwMDAwMDBaFw0zMTAzMjkyMzU5NTlaMFkxCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxMzAxBgNVBAMTKkRpZ2lDZXJ0IEdsb2Jh
bCBHMiBUTFMgUlNBIFNIQTI1NiAyMDIwIENBMTCCASIwDQYJKoZIhvcNAQEBBQAD
ggEPADCCAQoCggEBAMz3EGJPprtjb+2QUlbFbSd7ehJWivH0+dbn4Y+9lavyYEEV
cNsSAPonCrVXOFt9slGTcZUOakGUWzUb+nv6u8W+JDD+Vu/E832X4xT1FE3LpxDy
FuqrIvAxIhFhaZAmunjZlx/jfWardUSVc8is/+9dCopZQ+GssjoP80j812s3wWPc
3kbW20X+fSP9kOhRBx5Ro1/tSUZUfyyIxfQTnJcVPAPooTncaQwywa8WV0yUR0J8
osicfebUTVSvQpmowQTCd5zWSOTOEeAqgJnwQ3DPP3Zr0UxJqyRewg2C/Uaoq2yT
zGJSQnWS+Jr6Xl6ysGHlHx+5fwmY6D36g39HaaECAwEAAaOCAYIwggF+MBIGA1Ud
EwEB/wQIMAYBAf8CAQAwHQYDVR0OBBYEFHSFgMBmx9833s+9KTeqAx2+7c0XMB8G
A1UdIwQYMBaAFE4iVCAYlebjbuYP+vq5Eu0GF485MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHSUEFjAUBggrBgEFBQcDAQYIKwYBBQUHAwIwdgYIKwYBBQUHAQEEajBoMCQG
```

```
CCsGAQUFBzABhhhodHRwOi8vb2NzcC5kaWdpY2VydC5jb20wQAYIKwYBBQUHMAKG
NGh0dHA6Ly9jYWNlcnRzLmRpZ2ljZXJ0LmNvbS9EaWdpQ2VydEdsb2JhbFJvb3RH
Mi5jcnQwQgYDVR0fBDswOTA3oDWgM4YxaHR0cDovL2NybDMuZGlnaWNlcnQuY29t
L0RpZ2lDZXJ0R2xvYmFsUm9vdEcyLmNybDA9BgNVHSAENjA0MAsGCWCGSAGG/WwC
ATAHBgVngQwBATAIBgZngQwBAgEwCAYGZ4EMAQICMAgGBmeBDAECAzANBgkqhkiG
9w0BAQsFAAOCAQEAkPFwyyiXaZd8dP3A+iZ7U6utzWX9upwGnIrXWkOH7U1MVl+t
wcW1BSAuWdH/SvWgKtiwla3JLko716f2b4gp/DA/JIS7w7d7kwcsr4drdjPtAFVS
slme5LnQ89/nD/7d+MS5EHKBCQRfz5eeLjJ1js+aWNJXMX43AYGyZm0pGrFmCW3R
bpD0ufovARTFXFZkAdl9h6g4U5+LXUZtXMYnhIHUfoyMo5tS58aI7Dd8KvvwVVo4
chDYABPPTHPbqjc1qCmBaZx2vN4Ye5DUys/vZwP9BFohFrH/6j/f3IL16/RZkiMN
JCqVJUzKoZHm1Lesh3Sz8W2jmdv51b2EQJ8HmA==
-----END CERTIFICATE-----
 2 s:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
   i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Aug  1 12:00:00 2013 GMT; NotAfter: Jan 15 12:00:00 2038 GMT
-----BEGIN CERTIFICATE-----
MIIDjjCCAnagAwIBAgIQAzrx5qcRqaC7KGSxHQn65TANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBH
MjAeFw0xMzA4MDExMjAwMDBaFw0zODAxMTUxMjAwMDBaMGExCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5j
b20xIDAeBgNVBAMTF0RpZ2lDZXJ0IEdsb2JhbCBSb290IEcyMIIBIjANBgkqhkiG
9w0BAQEFAAOCAQ8AMIIBCgKCAQEAuzfNNNx7a8myaJCtSnX/RrohCgiN9RlUyfuI
2/Ou8jqJkTx65qsGGmvPrC3oXgkkRLpimn7Wo6h+4FR1IAWsULecYxpsMNzaHxmx
1x7e/dfgy5SDN67sH0NO3Xss0r0upS/kqbitOtSZpLYl6ZtrAGCSYP9PIUkY92eQ
q2EGnI/yuum06ZIya7XzV+hdG82MHauVBJVJ8zUtluNJbd134/tJS7SsVQepj5Wz
```

## HTTP Response Evidence

### IPv4 HTTP (port 80)

| | |
|---|---|
| **HTTP Status** | 200 |
| **Connected IP** | 52.253.83.103 |
| **Connect Time** | 19.77 ms |
| **TTFB** | 133.76 ms |
| **Total Time** | 133.89 ms |

**Response Headers:**


```
{
    "0": "HTTP/1.1 308 Permanent Redirect",
    "1": "Date: Sat, 08 Aug 2026 10:30:20 GMT",
    "2": "Content-Type: text/html",
    "3": "Content-Length: 164",
    "4": "Connection: keep-alive",
    "5": "Location: https://malaysiaairports.com.my",
    "7": "HTTP/2 308",
    "8": "date: Sat, 08 Aug 2026 10:30:20 GMT",
    "9": "location: /en/klia1",
    "10": "refresh: 0;url=/en/klia1",
    "11": "strict-transport-security: max-age=31536000; includeSubDomains",
    "13": "HTTP/2 200",
    "14": "date: Sat, 08 Aug 2026 10:30:20 GMT",
    "15": "content-type: text/html; charset=utf-8",
    "16": "content-security-policy: default-src 'self'; script-src 'self' 'nonce-NTM1ZGVmY2ItODA1Ni00YjNkLTgwMDEtYjFmZWM3OTc3MTcx' 'strict-dynamic' 'unsafe-eval'
https://*.kommunicate.io https://www.googletagmanager.com https://www.google-analytics.com https://cdn.jsdelivr.net https://widget.kommunicate.io
https://cdn.kommunicate.io https://cdnjs.cloudflare.com https://static.addtoany.com https://maps.googleapis.com https://khms0.googleapis.com
https://khms1.googleapis.com https://developers.google.com; media-src 'self' 'unsafe-inline' https://cdn.kommunicate.io https://km-prod-s3-bucket.s3.amazonaws.com
https://drmapssdev.blob.core.windows.net https://mahbseadrmsitsa.blob.core.windows.net https://mahbseadrmprodsa.blob.core.windows.net
https://devstatefiledrmphase2.blob.core.windows.net; style-src 'self' 'unsafe-inline' https://widget.kommunicate.io https://cdn.kommunicate.io
https://fonts.googleapis.com https://cdn.jsdelivr.net https://cdnjs.cloudflare.com; img-src 'self' https://www.googletagmanager.com https://www.google-analytics.com
https://www.google.co.in https://*.google.com https://www.facebook.com https://km-prod-s3-bucket.s3.amazonaws.com https://s3.amazonaws.com
https://widget.kommunicate.io https://cdn.kommunicate.io https://corporatetest.malaysiaairports.com.my https://openweathermap.org
https://drmapssdev.blob.core.windows.net https://mahbseadrmsitsa.blob.core.windows.net https://mahbseadrmprodsa.blob.core.windows.net
https://devstatefiledrmphase2.blob.core.windows.net https://maps.gstatic.com https://maps.googleapis.com https://khms0.googleapis.com https://khms1.googleapis.com
https://*.clarity.ms https://*.bing.com data: https://developers.google.com https://corporate.malaysiaairports.com.my https://www.malaysiaairports.com.my data:;
font-src 'self' https://fonts.gstatic.com https://cdn.jsdelivr.net https://widget.kommunicate.io data:; connect-src 'self' https://*.clarity.ms
https://www.googletagmanager.com https://www.google-analytics.com https://www.google.com https://www.google.co.in https://www.googleadservices.com https://apim-
magb.azure-api.net https://api.myairports.com.my https://apss-prod-cms.myairports.com.my https://sentry.io https://widget.kommunicate.io https://cdn.kommunicate.io
https://socket2.kommunicate.io wss://socket2.kommunicate.io https://api.kommunicate.io https://chat.kommunicate.io https://api.myairports.com.my/passengercms
https://api.myairports.com.my https://api.myairports.com.my https://api.myairports.com.my/corporatecms https://maps.googleapis.com https://khms0.googleapis.com
https://khms1.googleapis.com https://developers.google.com https://api.iconify.design https://api.unisvg.com https://api.simplesvg.com; frame-src 'self'
https://www.googletagmanager.com https://widget.kommunicate.io https://kommunicate.io https://www.youtube.com https://stardesk-webform-fe-dev.myairports.com.my
https://maps.googleapis.com https://khms0.googleapis.com https://khms1.googleapis.com https://developers.google.com https://static.addtoany.co
https://static.addtoany.com https://mahbseadrmprodsa.blob.core.windows.net; frame-ancestors 'none'; object-src 'none'; base-uri 'self'; form-action 'self'
https://api.myairports.com.my https://api.myairports.com.my;",
    "17": "referrer-policy: strict-origin-when-cross-origin",
    "18": "x-content-type-options: nosniff",
    "19": "x-frame-options: DENY",
    "20": "x-xss-protection: 1; mode=block",
    "21": "vary: RSC, Next-Router-State-Tree, Next-Router-Prefetch, Accept-Encoding",
    "22": "link: </_next/static/media/504f699ce71abd8b-s.p.woff2>; rel=preload; as=\"font\"; crossorigin=\"\"; type=\"font/woff2\",
</_next/static/media/ee40bb094c99a29a-s.p.woff2>; rel=preload; as=\"font\"; crossorigin=\"\"; type=\"font/woff2\"",
    "23": "cache-control: private, no-cache, no-store, max-age=0, must-revalidate",
    "24": "strict-transport-security: max-age=31536000; includeSubDomains"
}
```


### IPv4 HTTPS (port 443)

| | |
|---|---|
| **HTTP Status** | 200 |
| **Connected IP** | 52.253.83.103 |
| **Connect Time** | 8.58 ms |
| **TTFB** | 108.27 ms |
| **Total Time** | 108.36 ms |

**Response Headers:**


```
{
    "0": "HTTP/2 308",
    "1": "date: Sat, 08 Aug 2026 10:30:20 GMT",
    "2": "location: /en/klia1",
```

```
    "3": "refresh: 0;url=/en/klia1",
    "4": "strict-transport-security: max-age=31536000; includeSubDomains",
    "6": "HTTP/2 200",
    "7": "date: Sat, 08 Aug 2026 10:30:20 GMT",
    "8": "content-type: text/html; charset=utf-8",
    "9": "content-security-policy: default-src 'self'; script-src 'self' 'nonce-MTJmY2Q0MjUtZDMyNS00N2IxLTkwYjYtYjhhNGZjNDdhMDBj' 'strict-dynamic' 'unsafe-eval'
https://*.kommunicate.io https://www.googletagmanager.com https://www.google-analytics.com https://cdn.jsdelivr.net https://widget.kommunicate.io
https://cdn.kommunicate.io https://cdnjs.cloudflare.com https://static.addtoany.com https://maps.googleapis.com https://khms0.googleapis.com
https://khms1.googleapis.com https://developers.google.com; media-src 'self' 'unsafe-inline' https://cdn.kommunicate.io https://km-prod-s3-bucket.s3.amazonaws.com
https://drmapssdev.blob.core.windows.net https://mahbseadrmsitsa.blob.core.windows.net https://mahbseadrmprodsa.blob.core.windows.net
https://devstatefiledrmphase2.blob.core.windows.net; style-src 'self' 'unsafe-inline' https://widget.kommunicate.io https://cdn.kommunicate.io
https://fonts.googleapis.com https://cdn.jsdelivr.net https://cdnjs.cloudflare.com; img-src 'self' https://www.googletagmanager.com https://www.google-analytics.com
https://www.google.co.in https://*.google.com https://www.facebook.com https://km-prod-s3-bucket.s3.amazonaws.com https://s3.amazonaws.com
https://widget.kommunicate.io https://cdn.kommunicate.io https://corporatetest.malaysiaairports.com.my https://openweathermap.org
https://drmapssdev.blob.core.windows.net https://mahbseadrmsitsa.blob.core.windows.net https://mahbseadrmprodsa.blob.core.windows.net
https://devstatefiledrmphase2.blob.core.windows.net https://maps.gstatic.com https://maps.googleapis.com https://khms0.googleapis.com https://khms1.googleapis.com
https://*.clarity.ms https://*.bing.com data: https://developers.google.com https://corporate.malaysiaairports.com.my https://www.malaysiaairports.com.my data:;
font-src 'self' https://fonts.gstatic.com https://cdn.jsdelivr.net https://widget.kommunicate.io data:; connect-src 'self' https://*.clarity.ms
https://www.googletagmanager.com https://www.google-analytics.com https://www.google.com https://www.google.co.in https://www.googleadservices.com https://apim-
magb.azure-api.net https://api.myairports.com.my https://apss-prod-cms.myairports.com.my https://sentry.io https://widget.kommunicate.io https://cdn.kommunicate.io
https://socket2.kommunicate.io wss://socket2.kommunicate.io https://api.kommunicate.io https://chat.kommunicate.io https://api.myairports.com.my/passengercms
https://api.myairports.com.my https://api.myairports.com.my https://api.myairports.com.my/corporatecms https://maps.googleapis.com https://khms0.googleapis.com
https://khms1.googleapis.com https://developers.google.com https://api.iconify.design https://api.unisvg.com https://api.simplesvg.com; frame-src 'self'
https://www.googletagmanager.com https://widget.kommunicate.io https://kommunicate.io https://www.youtube.com https://stardesk-webform-fe-dev.myairports.com.my
https://maps.googleapis.com https://khms0.googleapis.com https://khms1.googleapis.com https://developers.google.com https://static.addtoany.co
https://static.addtoany.com https://mahbseadrmprodsa.blob.core.windows.net; frame-ancestors 'none'; object-src 'none'; base-uri 'self'; form-action 'self'
https://api.myairports.com.my https://api.myairports.com.my;",
    "10": "referrer-policy: strict-origin-when-cross-origin",
    "11": "x-content-type-options: nosniff",
    "12": "x-frame-options: DENY",
    "13": "x-xss-protection: 1; mode=block",
    "14": "vary: RSC, Next-Router-State-Tree, Next-Router-Prefetch, Accept-Encoding",
    "15": "link: </_next/static/media/504f699ce71abd8b-s.p.woff2>; rel=preload; as=\"font\"; crossorigin=\"\"; type=\"font/woff2\",
</_next/static/media/ee40bb094c99a29a-s.p.woff2>; rel=preload; as=\"font\"; crossorigin=\"\"; type=\"font/woff2\"",
    "16": "cache-control: private, no-cache, no-store, max-age=0, must-revalidate",
    "17": "strict-transport-security: max-age=31536000; includeSubDomains"
}
```


## Connectivity Test Evidence

| Test | Result |
|---|---|
| **TCP Connect IPv4 → port 80** | 308 0.009160 0.016360 |
| **TCP Connect IPv4 → port 443** | 308 0.009384 0.043325 |

## Test Node Network Evidence

| | |
|---|---|
| **Node Profile** | dual stack |

### 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
fd7a:115c:a1e0::1136:5807 dev tailscale0 proto kernel metric 256 pref medium
fe80::/64 dev eth0 proto kernel metric 256 pref medium
fe80::/64 dev tailscale0 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
```