# IPv6 Readiness Report

**u.com.my — u.com.my**

Scan to verify

Category: Telco • Generated: 02 Nov 2026, 02:48 MYT • Last Checked: 08 Aug 2026, 18:18 MYT • Verification ID: e23e49d6-8d7b-4c74-9926-effbed63f50f
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/e23e49d6-8d7b-4c74-9926-effbed63f50f

⚠
**Partially Compliant**
MGv6C-1.0

**60%**
**Partial Support**

**IPV6-ONLY READINESS**
Website: ✗ **Not Ready**
DNS: ✓ **Ready**
Email: ✗ **Not Ready**

**IPV4 ADDRESSES**
`20.247.199.20`

## 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) | 20.192.0.0/10 |

## 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%) — 4 / 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** | 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 | ECDSAP256SHA256 |

## Email Services (25%) 4 / 4

| # | 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 | 20.247.199.20 |
| 2 | **HTTP over IPv4** | PASS | HTTP (port 80) responds over IPv4. |
| 3 | **HTTPS over IPv4** | PASS | HTTPS (port 443) responds over IPv4 — 98ms TTFB. |

## Audit Trail & Evidence Record

| | |
|---|---|
| **Verification ID** | e23e49d6-8d7b-4c74-9926-effbed63f50f |
| **Domain** | u.com.my |
| **Check Mode** | Manual |
| **Status** | Completed |
| **Started** | 08 Aug 2026, 18:17:49 MYT |
| **Finished** | 08 Aug 2026, 18:18:08 MYT |
| **Test Node Profile** | dual stack |
| **Engine Version** | 2.0.0 |
| **MGv6C Version** | 1.0.0 |
| **Audit URL** | https://ipv6.my6.my/audit/e23e49d6-8d7b-4c74-9926-effbed63f50f |

## Integrity Verification

✓ **INTEGRITY VERIFIED**

| | |
|---|---|
| **Algorithm** | hmac-sha256-v1 |
| **Root Hash** | 1aa9e53451540b57a26c3454e85b80ac1fab7678749bca60f872ec1fc213ca30 |
| **http_headers** | d267d0e1bad2150045767cfac7f8343d523cc1b1f5e766be935cb300a66d0c5d |
| **dns_responses** | df72201c2ee09d5ed590a049c237b10522f0d87a6c41706e0bbdbd14c80137a2 |
| **tls_handshake** | d0fee789871e5486de3605056b84d94daeb24b41afc3d868d696dc078035024d |
| **connectivity_log** | dded3806b7f99428cdaef115c2a5d1f60f478913ea9d55d6b93cee492d0b03a9 |
| **dns_resolution_times** | cd394af6805c6ff6e758a44ab860725e8464cf981ca6f608ac86c2f843e88e7f |

## 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 | 23.33 | 23.98 | 21.27 | 26.44 | -2.1 |
| **Google** | IPv4 | 34.33 | 89.9 | 40 | 103.59 | +5.7 |
| **Google** | IPv6 | 98 | 99.45 | 33.65 | 34.49 | -64.4 |
| **Cloudflare** | IPv4 | 22.84 | 23.04 | 21.61 | 25.06 | -1.2 |
| **Cloudflare** | IPv6 | 23.49 | 63.51 | 31.56 | 32 | +8.1 |

## DNS Evidence

### A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 55340
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
u.com.my.□□60□IN□A□20.247.199.20
```

### DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 28042
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
u.com.my.□□59064□IN□DS□65415 13 2 1E04F518EED1A86389011617D0518056FB389854B5C656EB1CDEBACC 6A783AC9
```

### MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 24024
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
u.com.my.□□60□IN□MX□10 u-com-my.mail.protection.outlook.com.
```

### NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 52556
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
u.com.my.□□59065□IN□NS□ns-264.awsdns-33.com.
u.com.my.□□59065□IN□NS□ns-967.awsdns-56.net.
u.com.my.□□59065□IN□NS□ns-1120.awsdns-12.org.
u.com.my.□□59065□IN□NS□ns-1798.awsdns-32.co.uk.
```

### TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 48278
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 11, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
u.com.my.□□300□IN□TXT□"google-site-verification=dxJ3EtDMRTPLicdVINyQPGLGwDVgw1JpmlRxc3KiAjA"
u.com.my.□□300□IN□TXT□"openai-domain-verification=dv-RMzPHMehcT213AtktD67Xnsg"
u.com.my.□□300□IN□TXT□"postman-domain-
verification=466ad7d40382ed2601041c839ec3f4cefd5b8b12578c8e5f2dddb3e13d1bcce26bfb1abc1a228da8367af788d71c5fa0a534fd082d6dfd206ded74109a492eb7"
u.com.my.□□300□IN□TXT□"v=spf1 mx a:pl30smtp2o365.u.com.my ip4:52.74.225.129 ip4:123.136.102.0/22 include:spf.protection.outlook.com include:amazonses.com include:spfdm-
ap-southeast-1.aliyun.com -all"
u.com.my.□□300□IN□TXT□"1password-site-verification=CBXCDU35WFCTLIQDLFZRXR6PPU"
u.com.my.□□300□IN□TXT□"8522aa0c6a5525d49257"
u.com.my.□□300□IN□TXT□"atlassian-domain-verification=LqPC7YrHRIlvR1NgGxGvMUNk1GraDHTOxKa7sqcrsGXRvJQXDMdRe5h1XFaefltk"
u.com.my.□□300□IN□TXT□"facebook-domain-verification=8na77omnb4jjhcyu095nns7ztx1l2i"
u.com.my.□□300□IN□TXT□"globalsign-domain-verification=E9380637F0CDD63C356D84E61D58D491"
u.com.my.□□300□IN□TXT□"globalsign-domain-verification=EB7CBFDA06D71E54A42A65ADD5D5BE73"
u.com.my.□□300□IN□TXT□"google-gws-recovery-domain-verification=73063896"
```

### AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 5614
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
```

```
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
u.com.my.□□900□IN□SOA□ns-1120.awsdns-12.org. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

### RRSIG

```
ns-1120.awsdns-12.org. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
SOA 13 3 900 20260808113249 20260808091749 57513 u.com.my. TF37gadBGuv0BM9jMqP/7F5YtRNfUDa/q3fM3xoSL6XItZkTTSqLAdl0 Z9XK/LCNWY9irDGDodpnEC82pxGDBw==
```

### DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 65123
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
u.com.my.□□3582□IN□DNSKEY□256 3 13 asvi0SxzxswwB/+rqM61NsFYE5XvtjyN/eCsmWMYwoslGWqMtaohhguS A3Mjt49K15Z1noiu3GJ8xStU/9qH5g==
u.com.my.□□3582□IN□DNSKEY□256 3 13 bk7sdSnVv6KAqQzznPBgEiUjnDiE2e+VMf/KummmqBRRJYDrOjSn7x03 amUvElDs1FqUAgIpW5w9runKh5yYeA==
u.com.my.□□3582□IN□DNSKEY□257 3 13 qex+oT47j6CszZE++VZajS95oPNTmom66PbEIG6rpoUTmXu8tztfucGO MxsUX3JviV4oCNCyM+or8IqpzlemXA==
```

### DNSSEC_VALIDATION

```
; fully validated
u.com.my.□□882□IN□SOA□ns-1120.awsdns-12.org. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
u.com.my.□□882□IN□RRSIG□SOA 13 3 900 20260808113249 20260808091749 57513 u.com.my. TF37gadBGuv0BM9jMqP/7F5YtRNfUDa/q3fM3xoSL6XItZkTTSqLAdl0
Z9XK/LCNWY9irDGDodpnEC82pxGDBw==
```

## TLS Handshake Evidence

### IPV4 Connection

| | |
|---|---|
| **IP Used** | 20.247.199.20 |
| **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, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
verify return:1
depth=0 C = MY, ST = Wilayah Persekutuan Kuala Lumpur, L = Kuala Lumpur, O = U MOBILE SDN. BHD., CN = *.u.com.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:C = MY, ST = Wilayah Persekutuan Kuala Lumpur, L = Kuala Lumpur, O = U MOBILE SDN. BHD., CN = *.u.com.my
   i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Apr 15 00:00:00 2026 GMT; NotAfter: Oct 30 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGgzCCBWugAwIBAgIQCbKYuXeaJB2cencs80AwGDANBgkqhkiG9w0BAQsFADBg
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMR8wHQYDVQQDExZHZW9UcnVzdCBUTFMgUlNBIENBIEcx
MB4XDTI2MDQxNTAwMDAwMFoXDTI2MTAzMDIzNTk1OVowgYExCzAJBgNVBAYTAk1Z
MSkwJwYDVQQIEyBXaWxheWFoIFBlcnNla3V0dWFuIEt1YWxhIEx1bXB1cjEVMBMG
A1UEBxMMS3VhbGEgTHVtcHVyMRswGQYDVQQKExJVIE1PQklMRSBTRE4uIEJIRC4x
EzARBgNVBAMMCioudS5jb20ubXkwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEK
AoIBAQC51PJsYEgOEFOMZIOf7Y8n5IKDHEErmR1jIuZs5VYw+YsVU+hSlDd3J5Xr
m7/CxnM+0FZEN0+jv+T2Jo+oMdsJs87Yfh1NfT6l3lZmLXbERK1csFVHZ105TN+m
wOYhADBulF2bnnsYj/jAVxItFqEG0HzuMOY2N4kb5hqR4U2A9Q+72M1NltivsVE1
aV3m+SlY64jBE1U/dtdeybwh8iMjemvkMsJXYe/5MRK1ygsnlt7AiqvVBaexUmN7
tRzW6gsFIxwI/eixjFu+1pBtsDLBkmOq7AfKobw6iiUwisSZH6/axghV/44D951o
4VumZAXhWT7DuL5+ZnjGWsLxwsehAgMBAAGjggMVMIIDETAfBgNVHSMEGDAWgBSU
T9Rdi+Sk4qaA/v3Y+QDvo74CVzAdBgNVHQ4EFgQUfy6X7t7N6qstmPyEUoWkQWLf
r6YwHwYDVR0RBBgwFoIKKi51LmNvbS5teYIIdS5jb20ubXkwPgYDVR0gBDcwNTAz
BgZngQwBAgIwKTAnBggrBgEFBQcCARYbaHR0cDovL3d3dy5kaWdpY2VydC5jb20v
Q1BTMA4GA1UdDwEB/wQEAwIFoDATBgNVHSUEDDAKBggrBgEFBQcDATA/BgNVHR8E
ODA2MDSgMqAwhi5odHRwOi8vY2RwLmdlb3RydXN0LmNvbS9HZW9UcnVzdFRMU1JT
QUNBRzEuY3JsMHYGCCsGAQUFBwEBBGowaDAmBggrBgEFBQcwAYYaaHR0cDovL3N0
YXR1cy5nZW90cnVzdC5jb20wPgYIKwYBBQUHMAKGMmh0dHA6Ly9jYWNlcnRzLmdl
b3RydXN0LmNvbS9HZW9UcnVzdFRMU1JTQUNBRzEuY3J0MAwGA1UdEwEB/wQCMAAw
ggGABgorBgEEAdZ5AgQCBIIBcASCAWwBagB3AMIxfldFGaNF7n843rKQQevHwiFa
Ir9/1bWtdprZDlLNAAABnY+bL50AAAQDAEgwRgIhANmwx6l0G+zagdkL4+mIgKUn
7X0wyMML/+DJOgCsY4CSAiEAvW37vIv9Ri8InTaOXpjupl3JFo0AXvOPCJRzlQ9e
ud0AdgDXbX0Q0af1d8LH6V/XAL/5gskzWmXh0LMBcxfAyMVpdwAAAZ2Pmy+QAAAE
AwBHMEUCIQCeMtBLMGJp+YqrncgN1tzq2Q5/wUwr5AF17GsGgWCTEQIgdcgYwgeJ
Qg9LrpBSW9FPx2NPktSnFgxOhPhtiYtTssUAdwCUTkOH+uzB74HzGSQmqBhlAcfT
XzgCAT9yZ31VNy4Z2AAAAZ2Pmy+tAAAEAwBIMEYCIQDdfRTu00qLq8/xwCopcKRD
bcIJaxwZ8CDvOdklrcgszgIhAMI9DEJ8eAVRPI/GUcKUziAhG+KKk+cXs1kPRDbA
YPl4MA0GCSqGSIb3DQEBCwUAA4IBAQA+SR0jTOPqX1R+zTSy/Ov6JxPeSIagxrcu
NqWQeXPHQIXymc0p7rWUjNObPOvll8RmZ+I4NVYtzGlcKym6tKbaKii8F6s1B2FW
wVifBBMNAcp2i00xtCykmt+odR1wq+VeEWQ0skCGR1VCkMvJjcBpMmXt8oUpvD5a
eU1PH3MEyPIB/f2r+gBWr0C5tJU+gQIAzPsBhKJWwjCoAkN/0qYJZ6/fvgp6bOMD
PQEZKi/FfOgZLS/APsNJdOs0TvxJSTWkmSGje8/zz2af5yFNytn/5Gy7L3OntX3s
PcDzfjaAQTCdUe+xFCOadQtcwdplYfPOMhYRBUz7RBM+GAY8xcaL
-----END CERTIFICATE-----
 1 s:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
   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: Nov  2 12:23:37 2017 GMT; NotAfter: Nov  2 12:23:37 2027 GMT
-----BEGIN CERTIFICATE-----
MIIEjTCCA3WgAwIBAgIQDQd4KhM/xvmlcpbhMf/ReTANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBH
MjAeFw0xNzExMDIxMjIzMzdaFw0yNzExMDIxMjIzMzdaMGAxCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5j
b20xHzAdBgNVBAMTFkdlb1RydXN0IFRMUyBSU0EgQ0EgRzEwggEiMA0GCSqGSIb3
DQEBAQUAA4IBDwAwggEKAoIBAQC+F+jsvikKy/65LWEx/TMkCDIuWegh1Ngwvm4Q
yISgP7oU5d79eoySG3vOhC3w/3jEMuipoH1fBtp7m0tTpsYbAhch4XA7rfuD6whU
gajeErLVxoiWMPkC/DnUvbgi74BJmdBiuGHQSd7LwsuXpTEGG9fYXcbTVN5SATYq
DfbexbYxTMwVJWoVb6lrBEgM3gBBqiiAiy800xu1Nq07JdCIQkBsNpFtZbIZhsDS
fzlGWP4wEmBQ3O67c+ZXkFr2DcrXBEtHam80Gp2SNhou2U5U7UesDL/xgLK6/0d7
6TnEVMSUVJkZ8VeZr+IUIlvoLrtjLbqugb0T3OYXW+CQU0kBAgMBAAGjggFAMIIB
PDAdBgNVHQ4EFgQUlE/UXYvkpOKmgP792PkA76O+AlcwHwYDVR0jBBgwFoAUTiJU
IBiV5uNu5g/6+rkS7QYXjzkwDgYDVR0PAQH/BAQDAgGGMB0GA1UdJQQWMBQGCCsG
AQUFBwMBBggrBgEFBQcDAjASBgNVHRMBAf8ECDAGAQH/AgEAMDQGCCsGAQUFBwEB
BCgwJjAkBggrBgEFBQcwAYYYaHR0cDovL29jc3AuZGlnaWNlcnQuY29tMEIGA1Ud
HwQ7MDkwN6A1oDOGMWh0dHA6Ly9jcmwzLmRpZ2ljZXJ0LmNvbS9EaWdpQ2VydEds
b2JhbFJvb3RHMi5jcmwwPQYDVR0gBDYwNDAyBgRVHSAAMCowKAYIKwYBBQUHAgEW
```

```
HGh0dHBzOi8vd3d3LmRpZ2ljZXJ0LmNvbS9DUFMwDQYJKoZIhvcNAQELBQADggEB
AIIcBDqC6cWpyGUSXAjjAcYwsK4iiGF7KweG97i1RJz1kwZhRoo6orUlJtBYnjzB
c4+/sXmnHJk3mlPyL1xuIAt9sMeC7+vreRIF5wFBC0MCN5sbHwhNN1JzKbifNeP5
ozpZdQFmkCo+neBiKR6HqIA+LMTMCMMuv2khGGuPHmtDze4GmEGZtYLyF8EQpa5Y
jPuV6k2Cr/N3XxFpT3hRpt/3usU/Zb9wfKPtWpoznZ4/44c1p9rzFcZYrWkj3A+7
TNBJE0GmP2fhXhP1D/XVfIW/h0yCJGEiV9Glm/uGOa3DXHlmbAcxSyCRraG+ZBkA
7h4SeM6Y8l/7MBRpPCz6l8Y=
-----END CERTIFICATE-----
---
Server certificate
subject=C = MY, ST = Wilayah Persekutuan Kuala Lumpur, L = Kuala Lumpur, O = U MOBILE SDN. BHD., CN = *.u.com.my
issuer=C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
---
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 3401 bytes and written 390 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
```

## HTTP Response Evidence

### IPv4 HTTP (port 80)

| | |
|---|---|
| **HTTP Status** | 302 |
| **Connected IP** | 57.155.24.78 |
| **Connect Time** | 33.35 ms |
| **TTFB** | 139.98 ms |
| **Total Time** | 140.43 ms |
| **Error** | Maximum (3) redirects followed |

**Response Headers:**


```
{
    "0": "HTTP/1.0 302 Redirect",
    "1": "Connection: Close",
    "2": "Location: https://u.com.my/",
    "4": "HTTP/1.1 302 Found",
    "5": "Content-Type: text/html",
    "6": "Content-length: 0",
    "7": "Connection: Close",
    "8": "Location: https://www.u.com.my/",
    "10": "HTTP/1.1 302 Moved Temporarily",
    "11": "Content-Length: 0",
    "12": "Date: Sat, 08 Aug 2026 09:28:10 GMT",
    "13": "X-Correlation-Id: 4105c1e268684ea4b8b6ab62868cad7b",
    "14": "Location: /en/personal",
    "15": "X-Content-Type-Options: nosniff",
    "16": "X-XSS-Protection: 1; mode=block",
    "17": "X-Frame-Options: SAMEORIGIN",
    "18": "X-Cache: Hit from cloudfront",
    "19": "Via: 1.1 11487263bad381d0f94fe76dc67ed7e2.cloudfront.net (CloudFront)",
    "20": "X-Amz-Cf-Pop: SIN3-P4",
    "21": "X-Amz-Cf-Id: LNOJAeBqxAt9j4yWADqyiuhbaCvTnevVOVdBxbr1EadMF6HcBPa9HA==",
    "22": "Age: 2998",
    "23": "X-FRAME-OPTIONS: SAMEORIGIN",
    "25": "HTTP/1.1 302 Moved Temporarily",
    "26": "Content-Length: 0",
    "27": "Date: Sat, 08 Aug 2026 09:28:05 GMT",
    "28": "X-Correlation-Id: 628f28c0f2c341bfb20583846eade352",
    "29": "Location: /en/personal/home",
    "30": "X-Content-Type-Options: nosniff",
    "31": "X-XSS-Protection: 1; mode=block",
    "32": "X-Frame-Options: SAMEORIGIN",
    "33": "X-Cache: Hit from cloudfront",
    "34": "Via: 1.1 3e744e3c13b68a267dc61d4a291cd4ea.cloudfront.net (CloudFront)",
    "35": "X-Amz-Cf-Pop: SIN3-P4",
    "36": "X-Amz-Cf-Id: i4uUMUAi1A8dw4o-ufqG5eyDCgG4D_q03gS8T7AlLa4TaRm4iTVC4Q==",
    "37": "Age: 3003",
    "38": "X-FRAME-OPTIONS: SAMEORIGIN"
}
```


### IPv4 HTTPS (port 443)

| | |
|---|---|
| **HTTP Status** | 200 |
| **Connected IP** | 57.155.24.78 |
| **Connect Time** | 18.11 ms |
| **TTFB** | 89.28 ms |
| **Total Time** | 89.62 ms |

**Response Headers:**


```
{
    "0": "HTTP/1.1 302 Found",
    "1": "Content-Type: text/html",
    "2": "Content-length: 0",
    "3": "Connection: Close",
    "4": "Location: https://www.u.com.my/",
    "6": "HTTP/1.1 302 Moved Temporarily",
    "7": "Content-Length: 0",
    "8": "Connection: keep-alive",
    "9": "Date: Sat, 08 Aug 2026 09:28:10 GMT",
    "10": "X-Correlation-Id: 4105c1e268684ea4b8b6ab62868cad7b",
```

```
    "11": "Location: /en/personal",
    "12": "X-Content-Type-Options: nosniff",
    "13": "X-XSS-Protection: 1; mode=block",
    "14": "X-Frame-Options: SAMEORIGIN",
    "15": "X-Cache: Hit from cloudfront",
    "16": "Via: 1.1 1cad349a917665b9a8b12c2c8be3558e.cloudfront.net (CloudFront)",
    "17": "X-Amz-Cf-Pop: SIN3-P4",
    "18": "X-Amz-Cf-Id: 2QjuuM6Vlh4x6r4hIKfImyVjK6458qUyNmfrxpsXhTNu_nbP9jQKQw==",
    "19": "Age: 2998",
    "20": "X-FRAME-OPTIONS: SAMEORIGIN",
    "22": "HTTP/1.1 302 Moved Temporarily",
    "23": "Content-Length: 0",
    "24": "Connection: keep-alive",
    "25": "Date: Sat, 08 Aug 2026 09:28:05 GMT",
    "26": "X-Correlation-Id: 628f28c0f2c341bfb20583846eade352",
    "27": "Location: /en/personal/home",
    "28": "X-Content-Type-Options: nosniff",
    "29": "X-XSS-Protection: 1; mode=block",
    "30": "X-Frame-Options: SAMEORIGIN",
    "31": "X-Cache: Hit from cloudfront",
    "32": "Via: 1.1 1cad349a917665b9a8b12c2c8be3558e.cloudfront.net (CloudFront)",
    "33": "X-Amz-Cf-Pop: SIN3-P4",
    "34": "X-Amz-Cf-Id: SPqYZ08WCJzuBckOqYQE3Btq99_MXE0rMs6mNV6MHEduYYlc7ffbxw==",
    "35": "Age: 3003",
    "36": "X-FRAME-OPTIONS: SAMEORIGIN",
    "38": "HTTP/1.1 200 OK",
    "39": "Content-Type: text/html; charset=utf-8",
    "40": "Content-Length: 765185",
    "41": "Connection: keep-alive",
    "42": "Date: Fri, 07 Aug 2026 21:39:37 GMT",
    "43": "X-Correlation-Id: fa4eeb0b54574234a15ff4334d42e5de",
    "44": "X-Content-Type-Options: nosniff",
    "45": "X-XSS-Protection: 1; mode=block",
    "46": "X-Frame-Options: SAMEORIGIN",
    "47": "X-Cache: Hit from cloudfront",
    "48": "Via: 1.1 1cad349a917665b9a8b12c2c8be3558e.cloudfront.net (CloudFront)",
    "49": "X-Amz-Cf-Pop: SIN3-P4",
    "50": "X-Amz-Cf-Id: GcaRLvlDNBmYUz8IX24RJRFSbGaHnMr4tGzJD7ExywJSwfWddTDMlw==",
    "51": "Age: 45511",
    "52": "X-FRAME-OPTIONS: SAMEORIGIN"
}
```


## Connectivity Test Evidence

| Test | Result |
|---|---|
| **TCP Connect IPv4 → port 80** | 302 0.009181 0.016238 |
| **TCP Connect IPv4 → port 443** | 302 0.009630 0.054664 |

## 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
```