# IPv6 Readiness Report

**zalora.com.my — zalora.com.my**

Scan to verify

Category: E-commerce • Generated: 02 Nov 2026, 02:48 MYT • Last Checked: 08 Aug 2026, 18:28 MYT • Verification ID: d3a55c56-ea60-4a12-9457-37c777b13278
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/d3a55c56-ea60-4a12-9457-37c777b13278

⚠
**Partially Compliant**
MGv6C-1.0

**86%**
**Partial Support**

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

**IPV6 ADDRESSES**
2600:9000:2721:f400:f:1353:fac0:93a1
2600:9000:2721:1200:f:1353:fac0:93a1
2600:9000:2721:da00:f:1353:fac0:93a1
2600:9000:2721:6000:f:1353:fac0:93a1
2600:9000:2721:ec00:f:1353:fac0:93a1
2600:9000:2721:a000:f:1353:fac0:93a1
2600:9000:2721:9000:f:1353:fac0:93a1
2600:9000:2721:1a00:f:1353:fac0:93a1

**IPV4 ADDRESSES**
3.165.102.109
3.165.102.32
3.165.102.105
3.165.102.42

## Network Information (WHOIS / RDAP)

| | IPv6 Network | IPv4 Network |
|---|---|---|
| Organization | Amazon.com, Inc. | Amazon.com, Inc. |
| Country | US | US |
| ASN | AS16509 | AS16509 |
| ASN Name | AMAZON-02 - Amazon.com, Inc., US | AMAZON-02 - Amazon.com, Inc., US |
| Network (CIDR) | 2600:9000::/28 | 3.165.0.0/16 |

## Web Services (35%) — 7 / 8

| # | CHECK | RESULT | DETAIL |
|---|---|---|---|
| 1 | **AAAA Record** | PASS | 2600:9000:2721:f400:f:1353:fac0:93a1, 2600:9000:2721:1200:f:1353:fac0:93a1, 2600:9000:2721:da00:f:1353:fac0:93a1, 2600:9000:2721:6000:f:1353:fac0:93a1, 2600:9000:2721:ec00:f:1353:fac0:93a1, 2600:9000:2721:a000:f:1353:fac0:93a1, 2600:9000:2721:9000:f:1353:fac0:93a1, 2600:9000:2721:1a00:f:1353:fac0:93a1 |
| 2 | **Globally Routable IPv6** | PASS | All addresses are globally routable. |
| 3 | **HTTP over IPv6** | PASS | HTTP (port 80) responds over IPv6. |
| 4 | **HTTPS over IPv6** | PASS | HTTPS (port 443) responds over IPv6 — 25ms TTFB. |
| 5 | **IPv6-Only Reachability** | FAIL | Site is not reachable when limited to IPv6-only. |
| 6 | **TLS Certificate Valid (IPv6)** | PASS | Certificate valid — issued by C = US, O = Amazon, CN = Amazon RSA 2048 M01, expires Nov 5 23:59:59 2026 GMT |
| 7 | **Dual-Stack (IPv4 + IPv6)** | PASS | Domain has both A and AAAA records. |
| 8 | **HTTP/3 (QUIC)** | PASS | Alt-Svc: h3 header detected. |

## DNS & DNSSEC (25%) — 3 / 5

| # | CHECK | RESULT | DETAIL |
|---|---|---|---|
| 1 | **NS Has AAAA Record** | PASS | Nameserver has IPv6 address. |

| # | CHECK | RESULT | DETAIL |
|---|---|---|---|
| 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%) — 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 | 3.165.102.109, 3.165.102.32, 3.165.102.105, 3.165.102.42 |
| 2 | **HTTP over IPv4** | PASS | HTTP (port 80) responds over IPv4 — 44ms TTFB. |
| 3 | **HTTPS over IPv4** | PASS | HTTPS (port 443) responds over IPv4 — 36ms TTFB. |

## Audit Trail & Evidence Record

| | |
|---|---|
| **Verification ID** | d3a55c56-ea60-4a12-9457-37c777b13278 |
| **Domain** | zalora.com.my |
| **Check Mode** | Manual |
| **Status** | Completed |
| **Started** | 08 Aug 2026, 18:28:31 MYT |
| **Finished** | 08 Aug 2026, 18:28:37 MYT |
| **Test Node Profile** | dual stack |
| **Engine Version** | 2.0.0 |
| **MGv6C Version** | 1.0.0 |
| **Audit URL** | https://ipv6.my6.my/audit/d3a55c56-ea60-4a12-9457-37c777b13278 |

## Integrity Verification

✓ **INTEGRITY VERIFIED**

| | |
|---|---|
| **Algorithm** | hmac-sha256-v1 |
| **Root Hash** | 52438ed386bf0a1cf68a976cd3fd3f52501986ee7fe1eed910a29a17f553b50a |
| **http_headers** | de481f77fdff0a92c884cd2e3cdc5ad522ce5cb21d2d8d212fbcdda1d8f594c1 |
| **dns_responses** | 8fd10aeca225601071a4545fcf69c5b4f6110a6a0b3dbcfa0d75dc038fb54b13 |
| **tls_handshake** | 8dfbab9f2105409dcb6d8f7bdf4dc08db1d9e04a73837fb03b00adfa79a53767 |
| **connectivity_log** | a0de20ae535b8755fc369acf2c13f448f91089a4c64ceedb8555a8ccba42b133 |
| **dns_resolution_times** | b3d63e21b9c195e9ed3342895e1a9406da802a9251b168979da69e7396315c00 |

## 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 | 21.99 | 23.51 | 22.89 | 23.91 | +0.9 |
| **Google** | IPv4 | 81.39 | 94.34 | 83.13 | 95.84 | +1.7 |
| **Google** | IPv6 | 94.53 | 95.33 | 84.4 | 94.44 | -10.1 |
| **Cloudflare** | IPv4 | 24.08 | 27.55 | 24.7 | 25.59 | +0.6 |
| **Cloudflare** | IPv6 | 20.73 | 35.76 | 22.72 | 24.21 | +2 |

## DNS Evidence

### A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 12731
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
zalora.com.my.□□60□IN□A□13.249.213.29
zalora.com.my.□□60□IN□A□13.249.213.58
zalora.com.my.□□60□IN□A□13.249.213.45
zalora.com.my.□□60□IN□A□13.249.213.34
```

### DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 5144
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.□□□3171□IN□SOA□e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

### MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 50516
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
zalora.com.my.□□300□IN□MX□10 alt1.aspmx.l.google.com.
zalora.com.my.□□300□IN□MX□20 alt2.aspmx.l.google.com.
zalora.com.my.□□300□IN□MX□30 alt3.aspmx.l.google.com.
zalora.com.my.□□300□IN□MX□40 alt4.aspmx.l.google.com.
zalora.com.my.□□300□IN□MX□0 aspmx.l.google.com.
```

### NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 57086
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
zalora.com.my.□□7200□IN□NS□ns-1611.awsdns-09.co.uk.
zalora.com.my.□□7200□IN□NS□ns-220.awsdns-27.com.
zalora.com.my.□□7200□IN□NS□ns-624.awsdns-14.net.
zalora.com.my.□□7200□IN□NS□ns-1322.awsdns-37.org.
```

### TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 42513
;; flags: qr rd ra; QUERY: 1, ANSWER: 8, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
zalora.com.my.□□300□IN□TXT□"google-site-verification=QhOYqXdgPHl-yftsMXmuDGFGHIJdNJe8yoI1tlr6K6g"
zalora.com.my.□□300□IN□TXT□"google-site-verification=XSUo7wC_S3FawBfD6BbIYmPZVgBVPQLtpM3KyhGVMok"
zalora.com.my.□□300□IN□TXT□"google-site-verification=i03QW4L_m45tMAgnFBANRs6JZV-TrX46_wFcRq8kkvA"
zalora.com.my.□□300□IN□TXT□"v=spf1 -all"
zalora.com.my.□□300□IN□TXT□"MS=ms12708356"
zalora.com.my.□□300□IN□TXT□"facebook-domain-verification=tslernuqtzfn32jsk15i3twtmmpksq"
zalora.com.my.□□300□IN□TXT□"google-site-verification=AudsqWqFUGitwtxjtJmsp1vopg0uE1blOCGkBbIQy_w"
zalora.com.my.□□300□IN□TXT□"google-site-verification=PkbNvJm4bsIpW3jme8dAK_cjW3bCRXByd78B2QJ10uM"
```

### AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 65041
```

```
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
zalora.com.my.□□897□IN□SOA□ns-1611.awsdns-09.co.uk. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

**RRSIG**

```
ns-1611.awsdns-09.co.uk. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

**DNSKEY**

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 16109
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
zalora.com.my.□□897□IN□SOA□ns-1611.awsdns-09.co.uk. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

**DNSSEC_VALIDATION**

```
; unsigned answer
zalora.com.my.□□897□IN□SOA□ns-1611.awsdns-09.co.uk. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

## TLS Handshake Evidence

### IPV4 Connection

| | |
|---|---|
| **IP Used** | 3.165.102.109 |
| **IP Version** | 4 |

```
depth=2 C = US, O = Amazon, CN = Amazon Root CA 1
verify return:1
depth=1 C = US, O = Amazon, CN = Amazon RSA 2048 M01
verify return:1
depth=0 CN = www.zalora.com.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = www.zalora.com.my
   i:C = US, O = Amazon, CN = Amazon RSA 2048 M01
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Apr 22 00:00:00 2026 GMT; NotAfter: Nov  5 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIF0jCCBLqgAwIBAgIQB0UW+TD80gTrutnoLs1KEzANBgkqhkiG9w0BAQsFADA8
MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGQW1hem9uMRwwGgYDVQQDExNBbWF6b24g
UlNBIDIwNDggTTAxMB4XDTI2MDQyMjAwMDAwMFoXDTI2MTEwNTIzNTk1OVowHDEa
MBgGA1UEAxMRd3d3LnphbG9yYS5jb20ubXkwggEiMA0GCSqGSIb3DQEBAQUAA4IB
DwAwggEKAoIBAQCayluakheZXED/wovWnNPrGyGPWV2++pD+Vd2MHeLx5d/xxBeM
Io0LfAesSGJ/0g/kV1KrWKCiBiwIyKityDRK1zzgUo+c04sXMHyPqcGJoGMkG2I6
1q1Si8h+AzSBhqQKXBi3y1UPujTXmLU7CPGjYobJfnMioyuF3r7JlqVLN7t1+zzk
C6S8G6md4QPPJ5ZjPBzek8UhaUc7un183qqapg92LrpD0ISh2l9IEA98q3d3p0Ly
EG9AhK32ZM0iOA+s24cIfn83UejEde+DijaJfKYoyHL3BYerzJxPiQ6u+6OoyEgm
m5RMlM4Ebvmh74YvjVw5AzBKR0VS/d3qsbLpAgMBAAGjggLuMIIC6jAfBgNVHSME
GDAWgBSBuA5jiokSGOX6OztQlZ/m5ZAThTAdBgNVHQ4EFgQUWPUZwMeuJqah+nsl
Ubrl9lJrdTIwKwYDVR0RBCQwIoIRd3d3LnphbG9yYS5jb20ubXmCDXphbG9yYS5j
b20ubXkwEwYDVR0gBAwwCjAIBgZngQwBAgEwDgYDVR0PAQH/BAQDAgWgMBMGA1Ud
JQQMMAoGCCsGAQUFBwMBMDsGA1UdHwQ0MDIwMKAuoCyGKmh0dHA6Ly9jcmwucjJt
MDEuYW1hem9udHJ1c3QuY29tL3IybTAxLmNybDB1BggrBgEFBQcBAQRpMGcwLQYI
KwYBBQUHMAGGIWh0dHA6Ly9vY3NwLnIybTAxLmFtYXpvbnRydXN0LmNvbTA2Bggr
BgEFBQcwAoYqaHR0cDovL2NydC5yMm0wMS5hbWF6b250cnVzdC5jb20vcjJtMDEu
Y2VyMAwGA1UdEwEB/wQCMAAwggF9BgorBgEEAdZ5AgQCBIIBbQSCAWkBZwB1AMIx
fldFGaNF7n843rKQQevHwiFaIr9/1bWtdprZDlLNAAABnbNfWtIAAAQDAEYwRAIg
Cwmp/xKhZLO5zFx5EmlrPHwvN9793LxFoJCDOJbjKcMCICgZ5AdhSTqLmoSkstEn
QHshZ/F1qNu5MmDL10Bqt6k3AHYA2AlVO5RPev/IFhlvlE+Fq7D4/F6HVSYPFdEu
crtFSxQAAAGds19dSwAABAMARzBFAiEAiJZ+caqS/3PdySbAy2jb5XMIe49SxIcP
LyIgFg7xo9UCICMYKh4150ftalfVyH1MqHf3UofyJJVBKzLL3fBgFq7sAHYAlE5D
h/rswe+B8xkkJqgYZQHH0184AgE/cmd9VTcuGdgAAAGds19a3gAABAMARzBFAiBA
duePjo/ExFlmS+w+e9FVj5RbXhaRTbL4SS5HIpXh9AIhAPwIZiQCLlIafwaCCXHk
3Pv5QnsJ1V2isfjXzDmMpQ2gMA0GCSqGSIb3DQEBCwUAA4IBAQBPfTDP4DQIA/1U
80suKuBcQBOtT6Af6DHKGT/N8v3HiCf70IH1IueCEdGgwm/iZZeV+QFivI64zQgh
vrDXQqTKmRPdBnnmvYCtm4CmMlyTzY/Q1I+/oIOIolrHaEveU3ga2SXHMBD7xedp
17F5w+2zoo6HpNolow2LGVaJh54+nMSnKwWS22kS9rJ7uyICfiTY1OrLEiu6ppbL
fPQYevfwWCPHUsP8DXFe3vYEdlfqaTYgWfRHC/QIU5oJXb0ZMlmU1MrWdk7zXiEr
7nQuJ+N3wvveFiRdT2yJj1wp/FmFCHaCzHQM37GhWjp6uuI5H6Xf4dvZ94yq+EtS
tdZHjRv2
-----END CERTIFICATE-----
 1 s:C = US, O = Amazon, CN = Amazon RSA 2048 M01
   i:C = US, O = Amazon, CN = Amazon Root CA 1
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Aug 23 22:21:28 2022 GMT; NotAfter: Aug 23 22:21:28 2030 GMT
-----BEGIN CERTIFICATE-----
MIIEXjCCA0agAwIBAgITB3MSOAudZoijOx7Zv5zNpo4ODzANBgkqhkiG9w0BAQsF
ADA5MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGQW1hem9uMRkwFwYDVQQDExBBbWF6
b24gUm9vdCBDQSAxMB4XDTIyMDgyMzIyMjEyOFoXDTMwMDgyMzIyMjEyOFowPDEL
MAkGA1UEBhMCVVMxDzANBgNVBAoTBkFtYXpvbjEcMBoGA1UEAxMTQW1hem9uIFJT
QSAyMDQ4IE0wMTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAOtxLKnL
H4gokjIwr4pXD3i3NyWVVYesZ1yX0yLI2qIUZ2t88Gfa4gMqs1YSXca1R/lnCKeT
epWSGA+0+fkQNpp/L4C2T7oTTsddUx7g3ZYzByDTlrwS5HRQQqEFE3O1T5tEJP4t
f+28IoXsNiEzl3UGzicYgtzj2cWCB41eJgEmJmcf2T8TzzK6a614ZPyq/w4CPAff
nAV4coz96nW3AyiE2uhuB4zQUIXvgVSycW7sbWLvj5TDXunEpNCRwC4kkZjK7rol
jtT2cbb7W2s4Bkg3R42G3PLqBvt2N32e/0JOTViCk8/iccJ4sXqrS1uUN4iB5Nmv
JK74csVl+0u0UecCAwEAAaOCAVowggFWMBIGA1UdEwEB/wQIMAYBAf8CAQAwDgYD
VR0PAQH/BAQDAgGGMB0GA1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAdBgNV
HQ4EFgQUgbgOY4qJEhjl+js7UJWf5uWQE4UwHwYDVR0jBBgwFoAUhBjMhTTsvAyU
lC4IWZzHshBOCggwewYIKwYBBQUHAQEEbzBtMC8GCCsGAQUFBzABhiNodHRwOi8v
b2NzcC5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTA6BggrBgEFBQcwAoYuaHR0cDov
L2NydC5yb290Y2ExLmFtYXpvbnRydXN0LmNvbS9yb290Y2ExLmNlcjA/BgNVHR8E
ODA2MDSgMqAwhi5odHRwOi8vY3JsLnJvb3RjYTEuYW1hem9udHJ1c3QuY29tL3Jv
b3RjYTEuY3JsMBMGA1UdIAQMMAowCAYGZ4EMAQIBMA0GCSqGSIb3DQEBCwUAA4IB
AQCtAN4CBSMuBjJitGuxlBbkEUDeK/pZwTXv4KqPK0G50fOHOQAd8j21p0cMBgbG
kfMHVwLU7b0XwZCav0h1ogdPMN1KakK1DT0VwA/+hFvGPJnMV1Kx2G4S1ZaSk0uU
```

```
5QfoiYIIano01J5k4T2HapKQmmOhS/iPtuo00wW+IMLeBuKMn3OLn005hcrOGTad
hcmeyfhQP7Z+iKHvyoQGi1C0ClymHETx/chhQGDyYSWqB/THwnN15AwLQo0E5V9E
SJlbe4mBlqeInUsNYugExNf+tOiybcrswBy8OFsd34XOW3rjSUtsuafd9AWySa3h
xRRrwszrzX/WWGm6wyB+f7C4
-----END CERTIFICATE-----
 2 s:C = US, O = Amazon, CN = Amazon Root CA 1
   i:C = US, ST = Arizona, L = Scottsdale, O = "Starfield Technologies, Inc.", CN = Starfield Services Root Certificate Authority - G2
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: May 25 12:00:00 2015 GMT; NotAfter: Dec 31 01:00:00 2037 GMT
-----BEGIN CERTIFICATE-----
MIIEkjCCA3qgAwIBAgITBn+USionzfP6wq4rAfkI7rnExjANBgkqhkiG9w0BAQsF
ADCBmDELMAkGA1UEBhMCVVMxEDAOBgNVBAgTB0FyaXpvbmExEzARBgNVBAcTClNj
b3R0c2RhbGUxJTAjBgNVBAoTHFN0YXJmaWVsZCBUZWNobm9sb2dpZXMsIEluYy4x
OzA5BgNVBAMTMlN0YXJmaWVsZCBTZXJ2aWNlcyBSb290IENlcnRpZmljYXRlIEF1
dGhvcml0eSAtIEcyMB4XDTE1MDUyNTEyMDAwMFoXDTM3MTIzMTAxMDAwMFowOTEL
MAkGA1UEBhMCVVMxDzANBgNVBAoTBkFtYXpvbjEZMBcGA1UEAxMQQW1hem9uIFJv
b3QgQ0EgMTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBALJ4gHHKeNXj
ca9HgFB0fW7Y14h29Jlo91ghYPl0hAEvrAIthtOgQ3pOsqTQNroBvo3bSMgHFzZM
9O6II8c+6zf1tRn4SWiw3te5djgdYZ6k/oI2peVKVuRF4fn9tBb6dNqcmzU5L/qw
IFAGbHrQgLKm+a/sRxmPUDgH3KKHOVj4utWp+UhnMJbulHheb4mjUcAwhmahRWa6
VOujw5H5SNz/0egwLX0tdHA114gk957EWW67c4cX8jJGKLhD+rcdqsq08p8kDi1L
93FcXmn/6pUCyziKrlA4b9v7LWIbxcceVOF34GfID5yHI9Y/QCB/IIDEgEw+OyQm
jgSubJrIqg0CAwEAAaOCATEwggEtMA8GA1UdEwEB/wQFMAMBAf8wDgYDVR0PAQH/
BAQDAgGGMB0GA1UdDgQWBBSEGMyFNOy8DJSULghZnMeyEE4KCDAfBgNVHSMEGDAW
gBScXwDfqgHXMCs4iKK4bUqc8hGRgzB4BggrBgEFBQcBAQRsMGowLgYIKwYBBQUH
MAGGImh0dHA6Ly9vY3NwLnJvb3RnMi5hbWF6b250cnVzdC5jb20wOAYIKwYBBQUH
MAKGLGh0dHA6Ly9jcnQucm9vdGcyLmFtYXpvbnRydXN0LmNvbS9yb290ZzIuY2Vy
MD0GA1UdHwQ2MDQwMqAwoC6GLGh0dHA6Ly9jcmwucm9vdGcyLmFtYXpvbnRydXN0
```

### IPV6 Connection

| | |
|---|---|
| **IP Used** | 2600:9000:2721:f400:f:1353:fac0:93a1 |
| **IP Version** | 6 |

```
depth=2 C = US, O = Amazon, CN = Amazon Root CA 1
verify return:1
depth=1 C = US, O = Amazon, CN = Amazon RSA 2048 M01
verify return:1
depth=0 CN = www.zalora.com.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = www.zalora.com.my
   i:C = US, O = Amazon, CN = Amazon RSA 2048 M01
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Apr 22 00:00:00 2026 GMT; NotAfter: Nov  5 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIF0jCCBLqgAwIBAgIQB0UW+TD80gTrutnoLs1KEzANBgkqhkiG9w0BAQsFADA8
MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGQW1hem9uMRwwGgYDVQQDExNBbWF6b24g
UlNBIDIwNDggTTAxMB4XDTI2MDQyMjAwMDAwMFoXDTI2MTEwNTIzNTk1OVowHDEa
MBgGA1UEAxMRd3d3LnphbG9yYS5jb20ubXkwggEiMA0GCSqGSIb3DQEBAQUAA4IB
DwAwggEKAoIBAQCayluakheZXED/wovWnNPrGyGPWV2++pD+Vd2MHeLx5d/xxBeM
Io0LfAesSGJ/0g/kV1KrWKCiBiwIyKityDRK1zzgUo+c04sXMHyPqcGJoGMkG2I6
1q1Si8h+AzSBhqQKXBi3y1UPujTXmLU7CPGjYobJfnMioyuF3r7JlqVLN7t1+zzk
C6S8G6md4QPPJ5ZjPBzek8UhaUc7un183qqapg92LrpD0ISh2l9IEA98q3d3p0Ly
EG9AhK32ZM0iOA+s24cIfn83UejEde+DijaJfKYoyHL3BYerzJxPiQ6u+6OoyEgm
m5RMlM4Ebvmh74YvjVw5AzBKR0VS/d3qsbLpAgMBAAGjggLuMIIC6jAfBgNVHSME
GDAWgBSBuA5jiokSGOX6OztQlZ/m5ZAThTAdBgNVHQ4EFgQUWPUZwMeuJqah+nsl
Ubrl9lJrdTIwKwYDVR0RBCQwIoIRd3d3LnphbG9yYS5jb20ubXmCDXphbG9yYS5j
b20ubXkwEwYDVR0gBAwwCjAIBgZngQwBAgEwDgYDVR0PAQH/BAQDAgWgMBMGA1Ud
JQQMMAoGCCsGAQUFBwMBMDsGA1UdHwQ0MDIwMKAuoCyGKmh0dHA6Ly9jcmwucjJt
MDEuYW1hem9udHJ1c3QuY29tL3IybTAxLmNybDB1BggrBgEFBQcBAQRpMGcwLQYI
KwYBBQUHMAGGIWh0dHA6Ly9vY3NwLnIybTAxLmFtYXpvbnRydXN0LmNvbTA2Bggr
BgEFBQcwAoYqaHR0cDovL2NydC5yMm0wMS5hbWF6b250cnVzdC5jb20vcjJtMDEu
Y2VyMAwGA1UdEwEB/wQCMAAwggF9BgorBgEEAdZ5AgQCBIIBbQSCAWkBZwB1AMIx
fldFGaNF7n843rKQQevHwiFaIr9/1bWtdprZDlLNAAABnbNfWtIAAAQDAEYwRAIg
Cwmp/xKhZLO5zFx5EmlrPHwvN9793LxFoJCDOJbjKcMCICgZ5AdhSTqLmoSkstEn
QHshZ/F1qNu5MmDL10Bqt6k3AHYA2AlVO5RPev/IFhlvlE+Fq7D4/F6HVSYPFdEu
crtFSxQAAAGds19dSwAABAMARzBFAiEAiJZ+caqS/3PdySbAy2jb5XMIe49SxIcP
LyIgFg7xo9UCICMYKh4150ftalfVyH1MqHf3UofyJJVBKzLL3fBgFq7sAHYAlE5D
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duePjo/ExFlmS+w+e9FVj5RbXhaRTbL4SS5HIpXh9AIhAPwIZiQCLlIafwaCCXHk
3Pv5QnsJ1V2isfjXzDmMpQ2gMA0GCSqGSIb3DQEBCwUAA4IBAQBPfTDP4DQIA/1U
80suKuBcQBOtT6Af6DHKGT/N8v3HiCf70IH1IueCEdGgwm/iZZeV+QFivI64zQgh
vrDXQqTKmRPdBnnmvYCtm4CmMlyTzY/Q1I+/oIOIolrHaEveU3ga2SXHMBD7xedp
17F5w+2zoo6HpNolow2LGVaJh54+nMSnKwWS22kS9rJ7uyICfiTY1OrLEiu6ppbL
fPQYevfwWCPHUsP8DXFe3vYEdlfqaTYgWfRHC/QIU5oJXb0ZMlmU1MrWdk7zXiEr
7nQuJ+N3wvveFiRdT2yJj1wp/FmFCHaCzHQM37GhWjp6uuI5H6Xf4dvZ94yq+EtS
```

```
tdZHjRv2
-----END CERTIFICATE-----
 1 s:C = US, O = Amazon, CN = Amazon RSA 2048 M01
   i:C = US, O = Amazon, CN = Amazon Root CA 1
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Aug 23 22:21:28 2022 GMT; NotAfter: Aug 23 22:21:28 2030 GMT
-----BEGIN CERTIFICATE-----
MIIEXjCCA0agAwIBAgITB3MSOAudZoijOx7Zv5zNpo4ODzANBgkqhkiG9w0BAQsF
ADA5MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGQW1hem9uMRkwFwYDVQQDExBBbWF6
b24gUm9vdCBDQSAxMB4XDTIyMDgyMzIyMjEyOFoXDTMwMDgyMzIyMjEyOFowPDEL
MAkGA1UEBhMCVVMxDzANBgNVBAoTBkFtYXpvbjEcMBoGA1UEAxMTQW1hem9uIFJT
QSAyMDQ4IE0wMTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAOtxLKnL
H4gokjIwr4pXD3i3NyWVVYesZ1yX0yLI2qIUZ2t88Gfa4gMqs1YSXca1R/lnCKeT
epWSGA+0+fkQNpp/L4C2T7oTTsddUx7g3ZYzByDTlrwS5HRQQqEFE3O1T5tEJP4t
f+28IoXsNiEzl3UGzicYgtzj2cWCB41eJgEmJmcf2T8TzzK6a614ZPyq/w4CPAff
nAV4coz96nW3AyiE2uhuB4zQUIXvgVSycW7sbWLvj5TDXunEpNCRwC4kkZjK7rol
jtT2cbb7W2s4Bkg3R42G3PLqBvt2N32e/0JOTViCk8/iccJ4sXqrS1uUN4iB5Nmv
JK74csVl+0u0UecCAwEAAaOCAVowggFWMBIGA1UdEwEB/wQIMAYBAf8CAQAwDgYD
VR0PAQH/BAQDAgGGMB0GA1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAdBgNV
HQ4EFgQUgbgOY4qJEhjl+js7UJWf5uWQE4UwHwYDVR0jBBgwFoAUhBjMhTTsvAyU
lC4IWZzHshBOCggwewYIKwYBBQUHAQEEbzBtMC8GCCsGAQUFBzABhiNodHRwOi8v
b2NzcC5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTA6BggrBgEFBQcwAoYuaHR0cDov
L2NydC5yb290Y2ExLmFtYXpvbnRydXN0LmNvbS9yb290Y2ExLmNlcjA/BgNVHR8E
ODA2MDSgMqAwhi5odHRwOi8vY3JsLnJvb3RjYTEuYW1hem9udHJ1c3QuY29tL3Jv
b3RjYTEuY3JsMBMGA1UdIAQMMAowCAYGZ4EMAQIBMA0GCSqGSIb3DQEBCwUAA4IB
AQCtAN4CBSMuBjJitGuxlBbkEUDeK/pZwTXv4KqPK0G50fOHOQAd8j21p0cMBgbG
kfMHVwLU7b0XwZCav0h1ogdPMN1KakK1DT0VwA/+hFvGPJnMV1Kx2G4S1ZaSk0uU
5QfoiYIIano01J5k4T2HapKQmmOhS/iPtuo00wW+IMLeBuKMn3OLn005hcrOGTad
hcmeyfhQP7Z+iKHvyoQGi1C0ClymHETx/chhQGDyYSWqB/THwnN15AwLQo0E5V9E
SJlbe4mBlqeInUsNYugExNf+tOiybcrswBy8OFsd34XOW3rjSUtsuafd9AWySa3h
xRRrwszrzX/WWGm6wyB+f7C4
-----END CERTIFICATE-----
 2 s:C = US, O = Amazon, CN = Amazon Root CA 1
   i:C = US, ST = Arizona, L = Scottsdale, O = "Starfield Technologies, Inc.", CN = Starfield Services Root Certificate Authority - G2
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: May 25 12:00:00 2015 GMT; NotAfter: Dec 31 01:00:00 2037 GMT
-----BEGIN CERTIFICATE-----
MIIEkjCCA3qgAwIBAgITBn+USionzfP6wq4rAfkI7rnExjANBgkqhkiG9w0BAQsF
ADCBmDELMAkGA1UEBhMCVVMxEDAOBgNVBAgTB0FyaXpvbmExEzARBgNVBAcTClNj
b3R0c2RhbGUxJTAjBgNVBAoTHFN0YXJmaWVsZCBUZWNobm9sb2dpZXMsIEluYy4x
OzA5BgNVBAMTMlN0YXJmaWVsZCBTZXJ2aWNlcyBSb290IENlcnRpZmljYXRlIEF1
dGhvcml0eSAtIEcyMB4XDTE1MDUyNTEyMDAwMFoXDTM3MTIzMTAxMDAwMFowOTEL
MAkGA1UEBhMCVVMxDzANBgNVBAoTBkFtYXpvbjEZMBcGA1UEAxMQQW1hem9uIFJv
b3QgQ0EgMTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBALJ4gHHKeNXj
ca9HgFB0fW7Y14h29Jlo91ghYPl0hAEvrAIthtOgQ3pOsqTQNroBvo3bSMgHFzZM
9O6II8c+6zf1tRn4SWiw3te5djgdYZ6k/oI2peVKVuRF4fn9tBb6dNqcmzU5L/qw
IFAGbHrQgLKm+a/sRxmPUDgH3KKHOVj4utWp+UhnMJbulHheb4mjUcAwhmahRWa6
VOujw5H5SNz/0egwLX0tdHA114gk957EWW67c4cX8jJGKLhD+rcdqsq08p8kDi1L
93FcXmn/6pUCyziKrlA4b9v7LWIbxcceVOF34GfID5yHI9Y/QCB/IIDEgEw+OyQm
jgSubJrIqg0CAwEAAaOCATEwggEtMA8GA1UdEwEB/wQFMAMBAf8wDgYDVR0PAQH/
BAQDAgGGMB0GA1UdDgQWBBSEGMyFNOy8DJSULghZnMeyEE4KCDAfBgNVHSMEGDAW
gBSCXwDfqgHXMCs4iKK4bUqc8hGRgzB4BggrBgEFBQcBAQRsMGowLgYIKwYBBQUH
MAGGImh0dHA6Ly9vY3NwLnJvb3RnMi5hbWF6b250cnVzdC5jb20wOAYIKwYBBQUH
MAKGLGh0dHA6Ly9jcnQucm9vdGcyLmFtYXpvbnRydXN0LmNvbS9yb290ZzIuY2Vy
MD0GA1UdHwQ2MDQwMqAwoC6GLGh0dHA6Ly9jcmwucm9vdGcyLmFtYXpvbnRydXN0
```

## HTTP Response Evidence

### IPv4 HTTP (port 80)

| | |
|---|---|
| **HTTP Status** | 403 |
| **Connected IP** | 3.165.102.105 |
| **Connect Time** | 16.07 ms |
| **TTFB** | 43.93 ms |
| **Total Time** | 44.04 ms |

**Response Headers:**


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Server: CloudFront",
    "2": "Date: Sat, 08 Aug 2026 10:28:37 GMT",
    "3": "Content-Type: text/html",
    "4": "Content-Length: 167",
    "5": "Connection: keep-alive",
    "6": "Location: https://zalora.com.my/",
    "7": "X-Cache: Redirect from cloudfront",
    "8": "Via: 1.1 b93539311f65854b91591e3ebce387d2.cloudfront.net (CloudFront)",
    "9": "X-Amz-Cf-Pop: SIN2-P6",
    "10": "Alt-Svc: h3=\":443\"; ma=86400",
    "11": "X-Amz-Cf-Id: 7Vmx5ea-SzMVCevS9f15bsBwt4tPjSzP7fy3wSXMiy2T8bS7LOqsDg==",
    "13": "HTTP/2 403",
    "14": "server: CloudFront",
    "15": "date: Sat, 08 Aug 2026 10:28:37 GMT",
    "16": "content-type: text/html",
    "17": "content-length: 919",
    "18": "x-cache: Error from cloudfront",
    "19": "via: 1.1 aa5e20f4472c75d1a3ee9ce9eb60dc0a.cloudfront.net (CloudFront)",
    "20": "x-amz-cf-pop: SIN2-P6",
    "21": "alt-svc: h3=\":443\"; ma=86400",
    "22": "x-amz-cf-id: -7IIwOQCBSkGVk0OIpO-m8MA5reMFMvFlYQmm0nI89KwonxI1tWGag=="
}
```


### IPv6 HTTP (port 80)

| | |
|---|---|
| **HTTP Status** | 301 |
| **Connected IP** | 2600:9000:2721:f400:f:1353:fac0:93a1 |
| **Connect Time** | 7.07 ms |
| **TTFB** | 14.23 ms |
| **Total Time** | 15.52 ms |
| **Error** | Could not resolve host: zalora.com.my |

**Response Headers:**


```
[
    "HTTP/1.1 301 Moved Permanently",
    "Server: CloudFront",
    "Date: Sat, 08 Aug 2026 10:28:37 GMT",
    "Content-Type: text/html",
    "Content-Length: 167",
    "Connection: keep-alive",
    "Location: https://zalora.com.my/",
    "X-Cache: Redirect from cloudfront",
    "Via: 1.1 347540535e60ba585992da68b62d1ae8.cloudfront.net (CloudFront)",
    "X-Amz-Cf-Pop: SIN2-P6",
    "Alt-Svc: h3=\":443\"; ma=86400",
    "X-Amz-Cf-Id: DxSzHfonvM_--ZNqE6gO1VLEqyg3j2fyrzKudq5S1u7N_59Eh3VO5w=="
]
```


### IPv4 HTTPS (port 443)

| | |
|---|---|
| **HTTP Status** | 403 |
| **Connected IP** | 3.165.102.109 |
| **Connect Time** | 6.94 ms |
| **TTFB** | 26.41 ms |
| **Total Time** | 26.45 ms |

**Response Headers:**


```
[
    "HTTP/2 403",
    "server: CloudFront",
    "date: Sat, 08 Aug 2026 10:28:37 GMT",
    "content-type: text/html",
    "content-length: 919",
    "x-cache: Error from cloudfront",
    "via: 1.1 67960dcfa01c1252d7354f3032a3107e.cloudfront.net (CloudFront)",
    "x-amz-cf-pop: SIN2-P6",
    "alt-svc: h3=\":443\"; ma=86400",
    "x-amz-cf-id: 4epFN2kBN-6QM_b-yo8DqAogtma6e6t1yZiaPiVMZb_0NIVAk3DKAA=="
]
```


### IPv6 HTTPS (port 443)

| | |
|---|---|
| **HTTP Status** | 403 |
| **Connected IP** | 2600:9000:2721:f400:f:1353:fac0:93a1 |
| **Connect Time** | 6.92 ms |
| **TTFB** | 25.94 ms |
| **Total Time** | 25.99 ms |

**Response Headers:**


```
[
    "HTTP/2 403",
    "server: CloudFront",
    "date: Sat, 08 Aug 2026 10:28:37 GMT",
    "content-type: text/html",
    "content-length: 919",
    "x-cache: Error from cloudfront",
    "via: 1.1 a9365f7d0b3a7f448cd097836a6f508a.cloudfront.net (CloudFront)",
    "x-amz-cf-pop: SIN2-P6",
    "alt-svc: h3=\":443\"; ma=86400",
    "x-amz-cf-id: PbHshII20_39ofWnJvVXtTDmr2n_1KxuP_pskzmSOHbyV3NpqQ4sfQ=="
]
```


## Connectivity Test Evidence

| Test | Result |
|---|---|
| **TCP Connect IPv4 → port 80** | 301 0.007226 0.014682 |
| **TCP Connect IPv6 → port 80** | 301 0.007227 0.014817 |
| **TCP Connect IPv4 → port 443** | 403 0.006918 0.036614 |
| **TCP Connect IPv6 → port 443** | 403 0.007257 0.039197 |

## Test Node Network Evidence

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

### Egress Connectivity

| | |
|---|---|
| **IPv4 Egress** | unreachable |
| **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
```