IPv6 Readiness Report

ucsiuniversity.edu.my — ucsiuniversity.edu.my

Scan to verify

Category: Education • Generated: 02 Nov 2026, 02:53 MYT • Last Checked: 08 Aug 2026, 18:32 MYT • Verification ID: 574f84e5-7636-43b4-ad75-680092ce0159
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/574f84e5-7636-43b4-ad75-680092ce0159

⚠
Partially Compliant
MGv6C-1.0

81%
Partial Support

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

IPV6 ADDRESSES
2606:4700:20::681a:aba
2606:4700:20::681a:bba
2606:4700:20::ac43:4459

IPV4 ADDRESSES
104.26.10.186
104.26.11.186
172.67.68.89

Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	Cloudflare, Inc.	Cloudflare, Inc.
Country	US	US
ASN	AS13335	AS13335
ASN Name	CLOUDFLARENET - Cloudflare, Inc., US	CLOUDFLARENET - Cloudflare, Inc., US
Network (CIDR)	2606:4700::/32	104.16.0.0/12

Web Services (35%) — 6 / 8

#	CHECK	RESULT	DETAIL
1	**AAAA Record**	PASS	2606:4700:20::681a:aba, 2606:4700:20::681a:bba, 2606:4700:20::ac43:4459
2	**Globally Routable IPv6**	PASS	All addresses are globally routable.
3	**HTTP over IPv6**	PASS	HTTP (port 80) responds over IPv6 — 67ms TTFB.
4	**HTTPS over IPv6**	PASS	HTTPS (port 443) responds over IPv6 — 39ms 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 = Google Trust Services, CN = WE1, expires Oct 6 00:27:52 2026 GMT
7	**Dual-Stack (IPv4 + IPv6)**	PASS	Domain has both A and AAAA records.
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.

#	CHECK	RESULT	DETAIL
6	**DS Record at Parent**	FAIL	No DS record at parent.
7	**RRSIG Valid**	PASS	RRSIG signatures are current and valid.
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	104.26.10.186, 104.26.11.186, 172.67.68.89
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4 — 76ms TTFB.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4 — 33ms TTFB.

Audit Trail & Evidence Record

Verification ID	574f84e5-7636-43b4-ad75-680092ce0159
Domain	ucsiuniversity.edu.my
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:31:42 MYT
Finished	08 Aug 2026, 18:32:03 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/574f84e5-7636-43b4-ad75-680092ce0159

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	f34147ee80167a0bf1dcd653e6be557fdf1a7d6e89b318d365481145a54a06fe
http_headers	676dbcc0e3673397a1d3b1b0aabd696eb07fa81ed5dbbc3be9cb1a9b913f75b2
dns_responses	62fee80cf4743fc03c33f7d09723ce4778d64dc1fe4b18300aa930143358bc50
tls_handshake	c0660bd367d8dd153aaefa5b36b3358abe192d796282e2e5e6db82a7a17704b0
connectivity_log	ec2cf81636c366b42e94d12b122fb39db4fc301a75ab276adb96ca52c47ea719
dns_resolution_times	09a311d89f084e8d0982e49ef53c48c998712efdae63c13d0f2bcb9cdd469d91

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	25.81	46.96	35.86	37.85	+10.1
Google	IPv4	84.69	122.57	95.17	95.89	+10.5
Google	IPv6	84.65	128.09	93.04	148.7	+8.4
Cloudflare	IPv4	24.46	24.66	24.18	28.69	-0.3
Cloudflare	IPv6	35.22	40.97	42.1	42.88	+6.9

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 29506
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
ucsiuniversity.edu.my.	300	IN	A	104.26.10.186
ucsiuniversity.edu.my.	300	IN	A	104.26.11.186
ucsiuniversity.edu.my.	300	IN	A	172.67.68.89
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 3689
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
edu.my.		3589	IN	SOA	e.nic.my. hostmaster.nic.my. 2026062857 1800 900 604800 3600
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 53839
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
ucsiuniversity.edu.my.	300	IN	MX	10 jupiter.ucsigroup.com.my.
ucsiuniversity.edu.my.	300	IN	MX	5 mars.ucsigroup.com.my.
ucsiuniversity.edu.my.	300	IN	MX	0 ucsiuniversity-edu-my.mail.protection.outlook.com.
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 947
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
ucsiuniversity.edu.my.	59569	IN	NS	anton.ns.cloudflare.com.
ucsiuniversity.edu.my.	59569	IN	NS	ali.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 23613
;; flags: qr rd ra; QUERY: 1, ANSWER: 8, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
ucsiuniversity.edu.my.	300	IN	TXT	"google-site-verification=3aLF496Aw2w19lrKxwfHlVYvZDs2jYOkfLtzWE2oNrY"
ucsiuniversity.edu.my.	300	IN	TXT	"v=spf1 include:enginemailer.org ip4:103.138.64.22 ip4:103.138.64.23 ip4:103.138.64.24 include:spf.protection.outlook.com
include:_spf.google.com ~all"
ucsiuniversity.edu.my.	300	IN	TXT	"apple-domain-verification=a78FYiQSlpsPonUJ"
ucsiuniversity.edu.my.	300	IN	TXT	"facebook-domain-verification=wtsrrm42e2caht5o08za8k2n5kldgb"
ucsiuniversity.edu.my.	300	IN	TXT	"globalsign-domain-verification=Me76M9nVpSRaTiNDZNJ9G0wOLVR7UydgW_P2lnYzau"
ucsiuniversity.edu.my.	300	IN	TXT	"globalsign-domain-verification=UkzzLAFMNKwC8CCx1qVOoSpKjfiqo8pQoMtrzXl-_9"
ucsiuniversity.edu.my.	300	IN	TXT	"globalsign-domain-verification=uZna88SDQ3oC6dFaPmtnJ7G42lPlLvv6NMnPN4KWlV"
ucsiuniversity.edu.my.	300	IN	TXT	"google-gws-recovery-domain-verification=55196179"
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 31075
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
```

```
;; ANSWER SECTION:
ucsiuniversity.edu.my.␣300␣IN␣AAAA␣2606:4700:20::ac43:4459
ucsiuniversity.edu.my.␣300␣IN␣AAAA␣2606:4700:20::681a:aba
ucsiuniversity.edu.my.␣300␣IN␣AAAA␣2606:4700:20::681a:bba
```

RRSIG

```
ali.ns.cloudflare.com. dns.cloudflare.com. 2411058662 10000 2400 604800 1800
SOA 13 3 1800 20260809113142 20260807093142 34505 ucsiuniversity.edu.my. lOPL0FaTHge2rjw2CvBLNL5dsBILa8gNqUaz23zkWQY6FT4T9U+1pJXw EsThOP6AUKx0RjIR5b9iev9vlgxasQ==
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 16098
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
ucsiuniversity.edu.my.␣3581␣IN␣DNSKEY␣256 3 13 oJMRESz5E4gYzS/q6XDrvU1qMPYIjCWzJaOau8XNEZeqCYKD5ar0IRd8 KqXXFJkqmVfRvMGPmM1x8fGAa2XhSA==
ucsiuniversity.edu.my.␣3581␣IN␣DNSKEY␣257 3 13 mdsswUyr3DPW132mOi8V9xESWE8jTo0dxCjjnopKl+GqJxpVXckHAeF+ KkxLbxILfDLUT0rAK9iUzy1L53eKGQ==
```

DNSSEC_VALIDATION

```
;; validating ucsiuniversity.edu.my/SOA: no valid signature found
; unsigned answer
ucsiuniversity.edu.my.␣1781␣IN␣SOA␣ali.ns.cloudflare.com. dns.cloudflare.com. 2411058662 10000 2400 604800 1800
ucsiuniversity.edu.my.␣1781␣IN␣RRSIG␣SOA 13 3 1800 20260809113142 20260807093142 34505 ucsiuniversity.edu.my. lOPL0FaTHge2rjw2CvBLNL5dsBILa8gNqUaz23zkWQY6FT4T9U+1pJXw
EsThOP6AUKx0RjIR5b9iev9vlgxasQ==
```

TLS Handshake Evidence

IPV4 Connection

IP Used	104.26.10.186
IP Version	4

```
depth=2 C = US, O = Google Trust Services LLC, CN = GTS Root R4
verify return:1
depth=1 C = US, O = Google Trust Services, CN = WE1
verify return:1
depth=0 CN = ucsiuniversity.edu.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = ucsiuniversity.edu.my
   i:C = US, O = Google Trust Services, CN = WE1
   a:PKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA256
   v:NotBefore: Jul  7 23:27:55 2026 GMT; NotAfter: Oct  6 00:27:52 2026 GMT
-----BEGIN CERTIFICATE-----
MIIDmjCCA0CgAwIBAgIQNmbAsLKmJGUTHCtmmq8zOzAKBggqhkjOPQQDAjA7MQsw
CQYDVQQGEwJVUzEeMBwGA1UEChMVR29vZ2xlIFRydXN0IFNlcnZpY2VzMQwwCgYD
VQQDEwNXRTEwHhcNMjYwNzA3MjMyNzU1WhcNMjYxMDA2MDAyNzUyWjAgMR4wHAYD
VQQDExV1Y3NpdW5pdmVyc2l0eS5lZHUubXkwWTATBgcqhkjOPQIBBggqhkjOPQMB
BwNCAATtG9Yg1VPdTStQNJrxdly2QhAq1ts5Xm40BOLEB8ilVI5tWnHUttdzEMfF
uLcK1fXm5cb1k6oeUU0wAAOQbm1Go4ICPzCCAjswDgYDVR0PAQH/BAQDAgeAMBMG
A1UdJQQMMAoGCCsGAQUFBwMBMAwGA1UdEwEB/wQCMAAwHQYDVR0OBBYEFHErZLiw
hLKbapi69TqlTUMF6mC2MB8GA1UdIwQYMBaAFJB3kjVnxP+ozKnme9mAeXvMk/k4
MDUGCCsGAQUFBwEBBCkwJzAlBggrBgEFBQcwAoYZaHR0cDovL2kucGtpLmdvb2cv
d2UxLmNydDA5BgNVHREEMjAwghV1Y3NpdW5pdmVyc2l0eS5lZHUubXmCFyoudWNz
aXVuaXZlcnNpdHkuZWR1Lm15MBMGA1UdIAQMMAowCAYGZ4EMAQIBMDYGA1UdHwQv
MC0wK6ApoCeGJWh0dHA6Ly9jLnBraS5nb29nL3dlMS9Vbjc5TG00LUtfcy5jcmww
ggEFBgorBgEEAdZ5AgQCBIH2BIHzAPEAdwDYCVU7lE96/8gWGW+UT4WrsPj8XodV
Jg8V0S5yu0VLFAAAAZ8/H8nyAAAEAwBIMEYCIQCrij5seKTREZY+ruk2CO9Mrrs2
VAkzDCfgy/KjysmZRgIhAPelsXz1I7zfgtwsls4G8ijZ5Rqk3iI/CuttltLfW7CZ
AHYAwjF+V0UZo0XufzjespBB68fCIVoiv3/Vta12mtkOUs0AAAGfPx/J0AAABAMA
RzBFAiABWy+IhKlH0vaIoyXewuozxNsVbuEzWBxNC76p92F4gAIhAOz1WOiHkJCv
nAvzijaq0SIKrU4LPyaySwzwa747f0YNMAoGCCqGSM49BAMCA0gAMEUCIB+STqmC
DBKaGn8zPmEBuVNUE77GTrwMHxathzKtbNlaAiEA0Wwb0Kj+JnfSYL6cYcqkOpzy
ez2/8eKSfCaJjKIynWk=
-----END CERTIFICATE-----
 1 s:C = US, O = Google Trust Services, CN = WE1
   i:C = US, O = Google Trust Services LLC, CN = GTS Root R4
   a:PKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA384
   v:NotBefore: Dec 13 09:00:00 2023 GMT; NotAfter: Feb 20 14:00:00 2029 GMT
-----BEGIN CERTIFICATE-----
MIICnzCCAiWgAwIBAgIQf/MZd5csIkp2FV0TttaF4zAKBggqhkjOPQQDAzBHMQsw
CQYDVQQGEwJVUzEiMCAGA1UEChMZR29vZ2xlIFRydXN0IFNlcnZpY2VzIExMQzEU
MBIGA1UEAxMLR1RTIFJvb3QgUjQwHhcNMjMxMjEzMDkwMDAwWhcNMjkwMjIwMTQw
MDAwWjA7MQswCQYDVQQGEwJVUzEeMBwGA1UEChMVR29vZ2xlIFRydXN0IFNlcnZp
Y2VzMQwwCgYDVQQDEwNXRTEwWTATBgcqhkjOPQIBBggqhkjOPQMBBwNCAARvzTr+
Z1dHTCEDhUDCR127WEcPQMFcF4XGGTfn1XzthkubgdnXGhOlCgP4mMTG6J7/EFmP
LCaY9eYmJbsPAvpWo4H+MIH7MA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBggr
BgEFBQcDAQYIKwYBBQUHAwIwEgYDVR0TAQH/BAgwBgEB/wIBADAdBgNVHQ4EFgQU
kHeSNWfE/6jMqeZ72YB5e8yT+TgwHwYDVR0jBBgwFoAUgEzW63T/STaj1dj8tT7F
avCUHYwwNAYIKwYBBQUHAQEEKDAmMCQGCCsGAQUFBzAChhhodHRwOi8vaS5wa2ku
Z29vZy9yNC5jcnQwKwYDVR0fBCQwIjAgoB6gHIYaaHR0cDovL2MucGtpLmdvb2cv
ci9yNC5jcmwwEwYDVR0gBAwwCjAIBgZngQwBAgEwCgYIKoZIzj0EAwMDaAAwZQIx
AOcCq1HW90OVznX+0RGU1cxAQXomvtgM8zItPZCuFQ8jSBJSjz5keROv9aYsAm5V
sQIwJonMaAFi54mrfhfoFNZEfuNMSQ6/bIBiNLiyoX46FohQvKeIoJ99cx7sUkFN
7uJW
-----END CERTIFICATE-----
 2 s:C = US, O = Google Trust Services LLC, CN = GTS Root R4
   i:C = BE, O = GlobalSign nv-sa, OU = Root CA, CN = GlobalSign Root CA
   a:PKEY: id-ecPublicKey, 384 (bit); sigalg: RSA-SHA256
   v:NotBefore: Nov 15 03:43:21 2023 GMT; NotAfter: Jan 28 00:00:42 2028 GMT
-----BEGIN CERTIFICATE-----
MIIDejCCAmKgAwIBAgIQf+UwvzMTQ77dghYQST2KGzANBgkqhkiG9w0BAQsFADBX
MQswCQYDVQQGEwJCRTEZMBcGA1UEChMQR2xvYmFsU2lnbiBudi1zYTEQMA4GA1UE
CxMHUm9vdCBDQTEbMBkGA1UEAxMSR2xvYmFsU2lnbiBSb290IENBMB4XDTIzMTEx
NTAzNDMyMVoXDTI4MDEyODAwMDA0MlowRzELMAkGA1UEBhMCVVMxIjAgBgNVBAoT
GUdvb2dsZSBUcnVzdCBTZXJ2aWNlcyBMTEMxFDASBgNVBAMTC0dUUyBSb290IFI0
MHYwEAYHKoZIzj0CAQYFK4EEACIDYgAE83Rzp2iLYK5DuDXFgTB7S0md+8Fhzube
Rr1r1WEYNa5A3XP3iZEwWus87oV8okB2O6nGuEfYKueSkWpz6bFyOZ8pn6KY019e
WIZlD6GEZQbR3IvJx3PIjGov5cSr0R2Ko4H/MIH8MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHSUEFjAUBggrBgEFBQcDAQYIKwYBBQUHAwIwDwYDVR0TAQH/BAUwAwEB/zAd
BgNVHQ4EFgQUgEzW63T/STaj1dj8tT7FavCUHYwwHwYDVR0jBBgwFoAUYHtmGkUN
l8qJUC99BM00qP/8/UswNgYIKwYBBQUHAQEEKjAoMCYGCCsGAQUFBzAChhpodHRw
```

```
Oi8vaS5wa2kuZ29vZy9nc3IxLmNydDAtBgNVHR8EJjAkMCKgIKAehhxodHRwOi8v
Yy5wa2kuZ29vZy9yL2dzcjEuY3JsMBMGA1UdIAQMMAowCAYGZ4EMAQIBMA0GCSqG
SIb3DQEBCwUAA4IBAQAYQrsPBtYDh5bjP2OBDwmkoWhIDDkic574y04tfzHpn+cJ
odI2D4SseesQ6bDrarZ7C30ddLibZatoKiws3UL9xnELz4ct92vID24FfVbiI1hY
+SW6FoVHkNeWIP0GCbaM4C6uVdF5dTUsMVs/ZbzNnIdCp5Gxmx5ejvEau8otR/Cs
kGN+hr/W5GvT1tMBjgWKZ1i4//emhA1JG1BbPzoLJQvyEotc03lXjTaCzv8mEbep
8RqZ7a2CPsgRbuvTPBwcOMBBmuFeU88+FSBX6+7iP0il8b4Z0QFqIwwMHfs/L6K1
vepuoxtGzi4CZ68zJpiq1UvSqTbFJjtbD4seiMHl
-----END CERTIFICATE-----
---
Server certificate
subject=CN = ucsiuniversity.edu.my
issuer=C = US, O = Google Trust Services, CN = WE1
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: ECDSA
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 2814 bytes and written 403 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_AES_256_GCM_SHA384
Server public key is 256 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
```

IPV6 Connection

IP Used	2606:4700:20::681a:aba
IP Version	6

```
depth=2 C = US, O = Google Trust Services LLC, CN = GTS Root R4
verify return:1
depth=1 C = US, O = Google Trust Services, CN = WE1
verify return:1
depth=0 CN = ucsiuniversity.edu.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = ucsiuniversity.edu.my
   i:C = US, O = Google Trust Services, CN = WE1
   a:PKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA256
   v:NotBefore: Jul  7 23:27:55 2026 GMT; NotAfter: Oct  6 00:27:52 2026 GMT
-----BEGIN CERTIFICATE-----
MIIDmjCCA0CgAwIBAgIQNmbAsLKmJGUTHCtmmq8zOzAKBggqhkjOPQQDAjA7MQsw
CQYDVQQGEwJVUzEeMBwGA1UEChMVR29vZ2xlIFRydXN0IFNlcnZpY2VzMQwwCgYD
VQQDEwNXRTEwHhcNMjYwNzA3MjMyNzU1WhcNMjYxMDA2MDAyNzUyWjAgMR4wHAYD
VQQDExV1Y3NpdW5pdmVyc2l0eS5lZHUubXkwWTATBgcqhkjOPQIBBggqhkjOPQMB
BwNCAATtG9Yg1VPdTStQNJrxdly2QhAq1ts5Xm40BOLEB8ilVI5tWnHUttdzEMfF
uLcK1fXm5cb1k6oeUU0wAAOQbm1Go4ICPzCCAjswDgYDVR0PAQH/BAQDAgeAMBMG
A1UdJQQMMAoGCCsGAQUFBwMBMAwGA1UdEwEB/wQCMAAwHQYDVR0OBBYEFHErZLiw
hLKbapi69TqlTUMF6mC2MB8GA1UdIwQYMBaAFJB3kjVnxP+ozKnme9mAeXvMk/k4
MDUGCCsGAQUFBwEBBCkwJzAlBggrBgEFBQcwAoYZaHR0cDovL2kucGtpLmdvb2cv
d2UxLmNydDA5BgNVHREEMjAwghV1Y3NpdW5pdmVyc2l0eS5lZHUubXmCFyoudWNz
aXVuaXZlcnNpdHkuZWR1Lm15MBMGA1UdIAQMMAowCAYGZ4EMAQIBMDYGA1UdHwQv
MC0wK6ApoCeGJWh0dHA6Ly9jLnBraS5nb29nL3dlMS9Vbjc5TG00LUtfcy5jcmww
ggEFBgorBgEEAdZ5AgQCBIH2BIHzAPEAdwDYCVU7lE96/8gWGW+UT4WrsPj8XodV
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ez2/8eKSfCaJjKIynWk=
-----END CERTIFICATE-----
 1 s:C = US, O = Google Trust Services, CN = WE1
   i:C = US, O = Google Trust Services LLC, CN = GTS Root R4
   a:PKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA384
   v:NotBefore: Dec 13 09:00:00 2023 GMT; NotAfter: Feb 20 14:00:00 2029 GMT
-----BEGIN CERTIFICATE-----
MIICnzCCAiWgAwIBAgIQf/MZd5csIkp2FV0TttaF4zAKBggqhkjOPQQDAzBHMQsw
CQYDVQQGEwJVUzEiMCAGA1UEChMZR29vZ2xlIFRydXN0IFNlcnZpY2VzIExMQzEU
MBIGA1UEAxMLR1RTIFJvb3QgUjQwHhcNMjMxMjEzMDkwMDAwWhcNMjkwMjIwMTQw
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Y2VzMQwwCgYDVQQDEwNXRTEwHTATBgcqhkjOPQIBBggqhkjOPQMBBwNCAARvzTr+
```

```
Z1dHTCEDhUDCR127WEcPQMFcF4XGGTfn1XzthkubgdnXGhOlCgP4mMTG6J7/EFmP
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BgEFBQcDAQYIKwYBBQUHAwIwEgYDVR0TAQH/BAgwBgEB/wIBADAdBgNVHQ4EFgQU
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sQIwJonMaAFi54mrfhfoFNZEfuNMSQ6/bIBiNLiyoX46FohQvKeIoJ99cx7sUkFN
7uJW
-----END CERTIFICATE-----
 2 s:C = US, O = Google Trust Services LLC, CN = GTS Root R4
   i:C = BE, O = GlobalSign nv-sa, OU = Root CA, CN = GlobalSign Root CA
   a:PKEY: id-ecPublicKey, 384 (bit); sigalg: RSA-SHA256
   v:NotBefore: Nov 15 03:43:21 2023 GMT; NotAfter: Jan 28 00:00:42 2028 GMT
-----BEGIN CERTIFICATE-----
MIIDejCCAmKgAwIBAgIQf+UwvzMTQ77dghYQST2KGzANBgkqhkiG9w0BAQsFADBX
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GUdvb2dsZSBUcnVzdCBTZXJ2aWNlcyBMTEMxFDASBgNVBAMTC0dUUyBSb290IFI0
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Yy5wa2kuZ29vZy9yL2dzcjEuY3JsMBMGA1UdIAQMMAowCAYGZ4EMAQIBMA0GCSqG
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odI2D4SseesQ6bDrarZ7C30ddLibZatoKiws3UL9xnELz4ct92vID24FfVbiI1hY
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kGN+hr/W5GvT1tMBjgWKZ1i4//emhA1JG1BbPzoLJQvyEotc03lXjTaCzv8mEbep
8RqZ7a2CPsgRbuvTPBwcOMBBmuFeU88+FSBX6+7iP0il8b4Z0QFqIwwMHfs/L6K1
vepuoxtGzi4CZ68zJpiq1UvSqTbFJjtbD4seiMHl
-----END CERTIFICATE-----
---
Server certificate
subject=CN = ucsiuniversity.edu.my
issuer=C = US, O = Google Trust Services, CN = WE1
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: ECDSA
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 2814 bytes and written 403 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_AES_256_GCM_SHA384
Server public key is 256 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	403
Connected IP	172.67.68.89
Connect Time	16.72 ms
TTFB	69.22 ms
Total Time	69.36 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Date: Sat, 08 Aug 2026 10:32:03 GMT",
    "2": "Content-Type: text/html; charset=UTF-8",
    "3": "Connection: keep-alive",
    "4": "Location: https://ucsiuniversity.edu.my/",
    "5": "Report-To: {\"group\":\"cf-
nel\",\"max_age\":604800,\"endpoints\":[{\"url\":\"https://a.nel.cloudflare.com/report/v4?s=WI6r9j7WjhvCw1Papt0D3j%2Fl9bHQqaCkaE%2Bv40Skbo10n8clJDRmTpyMl%2BZyj4GWSK5GUmypgyY%2FZcl
    "6": "Nel: {\"report_to\":\"cf-nel\",\"success_fraction\":0.0,\"max_age\":604800}",
    "7": "Server: cloudflare",
    "8": "CF-RAY: a27ddadace889fd9-SIN",
    "10": "HTTP/2 403",
    "11": "date: Sat, 08 Aug 2026 10:32:03 GMT",
    "12": "content-type: text/html; charset=UTF-8",
    "13": "content-length: 5305",
    "14": "accept-ch: Sec-CH-UA-Bitness, Sec-CH-UA-Arch, Sec-CH-UA-Full-Version, Sec-CH-UA-Mobile, Sec-CH-UA-Model, Sec-CH-UA-Platform-Version, Sec-CH-UA-Full-
Version-List, Sec-CH-UA-Platform, Sec-CH-UA, UA-Bitness, UA-Arch, UA-Full-Version, UA-Mobile, UA-Model, UA-Platform-Version, UA-Platform, UA",
    "15": "cf-mitigated: challenge",
    "16": "content-security-policy: default-src 'none'; script-src 'nonce-rjFdTl1DMrBCrb8xRJlFo3' 'unsafe-eval' https://challenges.cloudflare.com; script-src-attr
'none'; style-src 'unsafe-inline'; img-src 'self' https://challenges.cloudflare.com; connect-src 'self' https://challenges.cloudflare.com; frame-src 'self'
https://challenges.cloudflare.com blob:; child-src 'self' https://challenges.cloudflare.com blob:; worker-src blob:; form-action http: https:; base-uri 'self'",
    "17": "server: cloudflare",
    "18": "critical-ch: Sec-CH-UA-Bitness, Sec-CH-UA-Arch, Sec-CH-UA-Full-Version, Sec-CH-UA-Mobile, Sec-CH-UA-Model, Sec-CH-UA-Platform-Version, Sec-CH-UA-Full-
Version-List, Sec-CH-UA-Platform, Sec-CH-UA, UA-Bitness, UA-Arch, UA-Full-Version, UA-Mobile, UA-Model, UA-Platform-Version, UA-Platform, UA",
    "19": "cross-origin-embedder-policy: require-corp",
    "20": "cross-origin-opener-policy: same-origin",
    "21": "cross-origin-resource-policy: same-origin",
    "22": "origin-agent-cluster: ?1",
    "23": "permissions-policy: accelerometer=(),camera=(),clipboard-read=(),clipboard-
write=(),geolocation=(),gyroscope=(),hid=(),magnetometer=(),microphone=(),payment=(),publickey-credentials-get=(),screen-wake-lock=(),serial=(),sync-
xhr=(),usb=(),xr-spatial-tracking=*",
    "24": "referrer-policy: same-origin",
    "25": "server-timing: chlray;desc=\"a27ddadb1afa5f2e\"",
    "26": "x-content-type-options: nosniff",
    "27": "x-frame-options: SAMEORIGIN",
    "28": "report-to: {\"group\":\"cf-
nel\",\"max_age\":604800,\"endpoints\":[{\"url\":\"https://a.nel.cloudflare.com/report/v4?s=TZ6CnBcP66UMrwTAFl1LEx6BqGyLF7XObll0mdddEJV7xF6br3n3Go6Km01w%2FaEqILgN8BlkF%2B72V9y5JSx
    "29": "nel: {\"report_to\":\"cf-nel\",\"success_fraction\":0.0,\"max_age\":604800}",
    "30": "cf-ray: a27ddadb1afa5f2e-SIN"
}
```


IPv6 HTTP (port 80)

HTTP Status	403
Connected IP	2606:4700:20::ac43:4459
Connect Time	16.84 ms
TTFB	62.45 ms
Total Time	62.56 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Date: Sat, 08 Aug 2026 10:32:02 GMT",
    "2": "Content-Type: text/html; charset=UTF-8",
    "3": "Connection: keep-alive",
    "4": "Location: https://ucsiuniversity.edu.my/",
    "5": "Report-To: {\"group\":\"cf-
nel\",\"max_age\":604800,\"endpoints\":[{\"url\":\"https://a.nel.cloudflare.com/report/v4?s=bau7criAox5dKPyi9Ijqo6sgnj6oXX6%2BKSt0okpUVY8Vbk3z1U2wTbczxqovdr4TqLNjTQI98a0%2F8ATjRyD
    "6": "Nel: {\"report_to\":\"cf-nel\",\"success_fraction\":0.0,\"max_age\":604800}",
    "7": "Server: cloudflare",
```

```
    "8": "CF-RAY: a27ddada2b02f8ee-SIN",
    "10": "HTTP/2 403",
    "11": "date: Sat, 08 Aug 2026 10:32:02 GMT",
    "12": "content-type: text/html; charset=UTF-8",
    "13": "content-length: 5326",
    "14": "accept-ch: Sec-CH-UA-Bitness, Sec-CH-UA-Arch, Sec-CH-UA-Full-Version, Sec-CH-UA-Mobile, Sec-CH-UA-Model, Sec-CH-UA-Platform-Version, Sec-CH-UA-Full-
Version-List, Sec-CH-UA-Platform, Sec-CH-UA, UA-Bitness, UA-Arch, UA-Full-Version, UA-Mobile, UA-Model, UA-Platform-Version, UA-Platform, UA",
    "15": "cf-mitigated: challenge",
    "16": "content-security-policy: default-src 'none'; script-src 'nonce-wrUzHGJPlJaaB6bBRN5VGD' 'unsafe-eval' https://challenges.cloudflare.com; script-src-attr
'none'; style-src 'unsafe-inline'; img-src 'self' https://challenges.cloudflare.com; connect-src 'self' https://challenges.cloudflare.com; frame-src 'self'
https://challenges.cloudflare.com blob:; child-src 'self' https://challenges.cloudflare.com blob:; worker-src blob:; form-action http: https:; base-uri 'self'",
    "17": "server: cloudflare",
    "18": "critical-ch: Sec-CH-UA-Bitness, Sec-CH-UA-Arch, Sec-CH-UA-Full-Version, Sec-CH-UA-Mobile, Sec-CH-UA-Model, Sec-CH-UA-Platform-Version, Sec-CH-UA-Full-
Version-List, Sec-CH-UA-Platform, Sec-CH-UA, UA-Bitness, UA-Arch, UA-Full-Version, UA-Mobile, UA-Model, UA-Platform-Version, UA-Platform, UA",
    "19": "cross-origin-embedder-policy: require-corp",
    "20": "cross-origin-opener-policy: same-origin",
    "21": "cross-origin-resource-policy: same-origin",
    "22": "origin-agent-cluster: ?1",
    "23": "permissions-policy: accelerometer=(),camera=(),clipboard-read=(),clipboard-
write=(),geolocation=(),gyroscope=(),hid=(),magnetometer=(),microphone=(),payment=(),publickey-credentials-get=(),screen-wake-lock=(),serial=(),sync-
xhr=(),usb=(),xr-spatial-tracking=*",
    "24": "referrer-policy: same-origin",
    "25": "server-timing: chlray;desc=\"a27ddada683ad98b\"",
    "26": "x-content-type-options: nosniff",
    "27": "x-frame-options: SAMEORIGIN",
    "28": "report-to: {\"group\":\"cf-
nel\",\"max_age\":604800,\"endpoints\":[{\"url\":\"https://a.nel.cloudflare.com/report/v4?s=98i2P2bpsrMM982gO1CmPNEhcMxOlTDOCaGHqzqeOuLOeCsTL2cLLyoJYNv8CjkZQmVb9S0cIIxxMIQXZMGq6Pg
    "29": "nel: {\"report_to\":\"cf-nel\",\"success_fraction\":0.0,\"max_age\":604800}",
    "30": "cf-ray: a27ddada683ad98b-SIN"
}
```


IPv4 HTTPS (port 443)

HTTP Status	403
Connected IP	104.26.10.186
Connect Time	7.64 ms
TTFB	31.02 ms
Total Time	31.06 ms

Response Headers:


```
[
    "HTTP/2 403",
    "date: Sat, 08 Aug 2026 10:32:03 GMT",
    "content-type: text/html; charset=UTF-8",
    "content-length: 5327",
    "accept-ch: Sec-CH-UA-Bitness, Sec-CH-UA-Arch, Sec-CH-UA-Full-Version, Sec-CH-UA-Mobile, Sec-CH-UA-Model, Sec-CH-UA-Platform-Version, Sec-CH-UA-Full-Version-
List, Sec-CH-UA-Platform, Sec-CH-UA, UA-Bitness, UA-Arch, UA-Full-Version, UA-Mobile, UA-Model, UA-Platform-Version, UA-Platform, UA",
    "cf-mitigated: challenge",
    "content-security-policy: default-src 'none'; script-src 'nonce-fVLtL77kux50h8x1yKy8ed' 'unsafe-eval' https://challenges.cloudflare.com; script-src-attr 'none';
style-src 'unsafe-inline'; img-src 'self' https://challenges.cloudflare.com; connect-src 'self' https://challenges.cloudflare.com; frame-src 'self'
https://challenges.cloudflare.com blob:; child-src 'self' https://challenges.cloudflare.com blob:; worker-src blob:; form-action http: https:; base-uri 'self'",
    "server: cloudflare",
    "critical-ch: Sec-CH-UA-Bitness, Sec-CH-UA-Arch, Sec-CH-UA-Full-Version, Sec-CH-UA-Mobile, Sec-CH-UA-Model, Sec-CH-UA-Platform-Version, Sec-CH-UA-Full-Version-
List, Sec-CH-UA-Platform, Sec-CH-UA, UA-Bitness, UA-Arch, UA-Full-Version, UA-Mobile, UA-Model, UA-Platform-Version, UA-Platform, UA",
    "cross-origin-embedder-policy: require-corp",
    "cross-origin-opener-policy: same-origin",
    "cross-origin-resource-policy: same-origin",
    "origin-agent-cluster: ?1",
    "permissions-policy: accelerometer=(),camera=(),clipboard-read=(),clipboard-
write=(),geolocation=(),gyroscope=(),hid=(),magnetometer=(),microphone=(),payment=(),publickey-credentials-get=(),screen-wake-lock=(),serial=(),sync-
xhr=(),usb=(),xr-spatial-tracking=*",
    "referrer-policy: same-origin",
    "server-timing: chlray;desc=\"a27ddadb491f57a7\"",
    "x-content-type-options: nosniff",
    "x-frame-options: SAMEORIGIN",
    "report-to: {\"group\":\"cf-
nel\",\"max_age\":604800,\"endpoints\":[{\"url\":\"https://a.nel.cloudflare.com/report/v4?s=YVbO6l3QUoCBAVuUhSXW0zemy%2BeobGpkyTC0Kin8qyv2kNVAQAER1zY8OO0Igr40GCxzf%2BGP6zbp%2BARTm
    "nel: {\"report_to\":\"cf-nel\",\"success_fraction\":0.0,\"max_age\":604800}",
    "cf-ray: a27ddadb491f57a7-SIN"
]
```


IPv6 HTTPS (port 443)

HTTP Status	403

Connected IP	2606:4700:20::681a:aba
Connect Time	7.73 ms
TTFB	35.05 ms
Total Time	35.09 ms

Response Headers:


```
[
    "HTTP/2 403",
    "date: Sat, 08 Aug 2026 10:32:02 GMT",
    "content-type: text/html; charset=UTF-8",
    "content-length: 5348",
    "accept-ch: Sec-CH-UA-Bitness, Sec-CH-UA-Arch, Sec-CH-UA-Full-Version, Sec-CH-UA-Mobile, Sec-CH-UA-Model, Sec-CH-UA-Platform-Version, Sec-CH-UA-Full-Version-
List, Sec-CH-UA-Platform, Sec-CH-UA, UA-Bitness, UA-Arch, UA-Full-Version, UA-Mobile, UA-Model, UA-Platform-Version, UA-Platform, UA",
    "cf-mitigated: challenge",
    "content-security-policy: default-src 'none'; script-src 'nonce-eHS2DHJu5NPNtIJLUjj39Z' 'unsafe-eval' https://challenges.cloudflare.com; script-src-attr 'none';
style-src 'unsafe-inline'; img-src 'self' https://challenges.cloudflare.com; connect-src 'self' https://challenges.cloudflare.com; frame-src 'self'
https://challenges.cloudflare.com blob:; child-src 'self' https://challenges.cloudflare.com blob:; worker-src blob:; form-action http: https:; base-uri 'self'",
    "server: cloudflare",
    "critical-ch: Sec-CH-UA-Bitness, Sec-CH-UA-Arch, Sec-CH-UA-Full-Version, Sec-CH-UA-Mobile, Sec-CH-UA-Model, Sec-CH-UA-Platform-Version, Sec-CH-UA-Full-Version-
List, Sec-CH-UA-Platform, Sec-CH-UA, UA-Bitness, UA-Arch, UA-Full-Version, UA-Mobile, UA-Model, UA-Platform-Version, UA-Platform, UA",
    "cross-origin-embedder-policy: require-corp",
    "cross-origin-opener-policy: same-origin",
    "cross-origin-resource-policy: same-origin",
    "origin-agent-cluster: ?1",
    "permissions-policy: accelerometer=(),camera=(),clipboard-read=(),clipboard-
write=(),geolocation=(),gyroscope=(),hid=(),magnetometer=(),microphone=(),payment=(),publickey-credentials-get=(),screen-wake-lock=(),serial=(),sync-
xhr=(),usb=(),xr-spatial-tracking=*",
    "referrer-policy: same-origin",
    "server-timing: chlray;desc=\"a27ddadaa92dfe8c\"",
    "x-content-type-options: nosniff",
    "x-frame-options: SAMEORIGIN",
    "report-to: {\"group\":\"cf-
nel\",\"max_age\":604800,\"endpoints\":[{\"url\":\"https://a.nel.cloudflare.com/report/v4?s=5Ln7aZlRxLArm8l7Z4U1%2Fj2pXT7y2vjQ6eti%2Bh4RIGjiNdSQb%2FtkA5lW3DhCYQgmnvOrvwOBd9q10deI0
    "nel: {\"report_to\":\"cf-nel\",\"success_fraction\":0.0,\"max_age\":604800}",
    "cf-ray: a27ddadaa92dfe8c-SIN"
]
```


Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.006906 0.031283
TCP Connect IPv6 → port 80	301 0.006607 0.025657
TCP Connect IPv4 → port 443	403 0.007234 0.038466
TCP Connect IPv6 → port 443	403 0.007108 0.038078

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
```