

IPv6 Readiness Report

swinburne.edu.my — swinburne.edu.my



Scan to verify

Category: Education • Generated: 30 Jul 2026, 07:50 MYT • Last Checked: 04 Jul 2026, 03:53 MYT • Verification ID: 29ad095a-8e14-43c7-9a20-93243e790606
Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>
Audit trail: <https://ipv6.my6.my/audit/29ad095a-8e14-43c7-9a20-93243e790606>



Partially Compliant

MGv6C-1.0

78%

Partial Support

IPv6-ONLY READINESS

Website: ✓ Ready

DNS: ✓ Ready

Email: ✗ Not Ready

IPv6 ADDRESSES

2606:4700:10::6814:1c5e

2606:4700:10::ac42:a483

IPv4 ADDRESSES

172.66.164.131

104.20.28.94

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	172.64.0.0/13

Web Services (35%)				8 / 8
#	CHECK	RESULT	DETAIL	
1	AAAA Record	PASS	2606:4700:10::6814:1c5e, 2606:4700:10::ac42:a483	
2	Globally Routable IPv6	PASS	All addresses are globally routable.	
3	HTTP over IPv6	PASS	HTTP (port 80) responds over IPv6 — 120ms TTFB.	
4	HTTPS over IPv6	PASS	HTTPS (port 443) responds over IPv6 — 82ms TTFB.	
5	IPv6-Only Reachability	PASS	Site is fully reachable via IPv6-only.	
6	TLS Certificate Valid (IPv6)	PASS	Certificate valid — issued by C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36, expires Oct 8 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.	
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.	

#	CHECK	RESULT	DETAIL
7	RRSIG Valid	FAIL	No valid RRSIG found.
8	Signing Algorithm	INFO	No DNSKEY record found.

Email Services (25%)

3 / 6

#	CHECK	RESULT	DETAIL
1	MX Record Exists	PASS	MX record found.
2	MX Server Has IPv6	FAIL	MX server has no IPv6 address.
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: selector2_domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%)

3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	172.66.164.131, 104.20.28.94
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 101ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 72ms TTFB.

Audit Trail & Evidence Record

Verification ID	29ad095a-8e14-43c7-9a20-93243e790606
Domain	swinburne.edu.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:53:15 MYT
Finished	04 Jul 2026, 03:53:21 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/29ad095a-8e14-43c7-9a20-93243e790606

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	9ddf301b3e4cbef0d8829a872946352e9db4de2f40b00c313244c2ba6c19c507
http_headers	8539f64c559afda3f2422aabb6da17b46ec3932af6dc6b7e389ed9016ae11f0a
dns_responses	edb453dabc609d2a908164bbe8364117092e79285302ca20dc899132231e7288
tls_handshake	fcce6fd02a1159981b25ec3bd3a8e865fa825b503532161edcf6105e241c43c1
connectivity_log	ce58f91e255a117cbcf8ee8c484fd328c03ec49b8aa83ca883927db78be06567
dns_resolution_times	a9f67bc8fbe1234e6e78681ef7d8a73556d8060b67c132b1ef590acc7999f12e

Test Node Identity

Os	Linux srv1440888 6.8.0-124-generic #124-Ubuntu SMP PREEMPT_DYNAMIC Tue May 26 13:00:45 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.32
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	9.88	20.68	9.98	20.27	+0.1
Google	IPv4	39.88	40.79	20.95	21.86	-18.9
Google	IPv6	33.19	34.39	20.5	33.8	-12.7
Cloudflare	IPv4	20.49	20.92	9.92	21.21	-10.6
Cloudflare	IPv6	28.16	30.99	29.53	35.56	+1.4

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 34242
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
swinburne.edu.my. 300 IN A 104.20.28.94
swinburne.edu.my. 300 IN A 172.66.164.131
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 14543
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
edu.my. 2799 IN SOA e.nic.my. hostmaster.nic.my. 2026052757 1800 900 604800 3600
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 40567
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
swinburne.edu.my. 300 IN MX 50 swinburne-edu-my.mail.protection.outlook.com.
swinburne.edu.my. 300 IN MX 0 swinburnesarawak.in.tmes-sg.trendmicro.com.
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 51306
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
swinburne.edu.my. 86400 IN NS achiel.ns.cloudflare.com.
swinburne.edu.my. 86400 IN NS jerin.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 28764
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
swinburne.edu.my. 300 IN TXT "v=spf1 include:spf.tmes.trendmicro.com include:spf.tmes-sg.trendmicro.com include:spf.protection.outlook.com
include:spf.watermarkinsights.com include:eskerondemand.com include:servers.mcsv.net ip4:58.26.207.18 ip4:58.26.207.29 ip4:58.26.207.250 " "ip4:159.183.168.142
ip4:167.89.6.85 -all"
swinburne.edu.my. 300 IN TXT "brevo-code:36e1956fe2ddd61a47cc1feb68228821"
swinburne.edu.my. 300 IN TXT "google-site-verification=dDjcPtQD3L2b2Dzgiq90CKet358A2Ivgir2M0_36ev4"
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 13303
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
swinburne.edu.my. 300 IN AAAA 2606:4700:10::ac42:a483
swinburne.edu.my. 300 IN AAAA 2606:4700:10::6814:1c5e
```

RRSIG

achiel.ns.cloudflare.com. dns.cloudflare.com. 2408531427 10000 2400 604800 1800

DNSKEY

```
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 42771
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
swinburne.edu.my. 1796 IN SOA achiel.ns.cloudflare.com. dns.cloudflare.com. 2408531427 10000 2400 604800 1800
```

DNSSEC_VALIDATION

```
; unsigned answer
swinburne.edu.my. 1796 IN SOA achiel.ns.cloudflare.com. dns.cloudflare.com. 2408531427 10000 2400 604800 1800
```


IPV4 Connection

```

depth=2 C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
verify return:1
depth=1 C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
verify return:1
depth=0 C = MY, ST = Sarawak, O = SWINBURNE UNIVERSITY OF TECHNOLOGY, CN = *.swinburne.edu.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:C = MY, ST = Sarawak, O = SWINBURNE UNIVERSITY OF TECHNOLOGY, CN = *.swinburne.edu.my
  i:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
  a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
  v:NotBefore: Oct 13 00:00:00 2025 GMT; NotAfter: Oct 8 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIHMTCCBZmgAwIBAgIQMlF1jU1q2oIdzKq/EgakBzANBgkqhkiG9w0BAQsFADBg
MQswCQYDVQQGEwJHQjEYMBYGA1UEChMPU2VjdGlnbyBMaW1pdGVkMTcwNQYDVQQD
Ey5TZWN0aWdvIFB1YmtpYyBTZXJ2ZXIgaGVudG9w0BAQsFADBgkqhkiG9w0BAQsF
MB4XDTElMTAxMzAwMDAwMFAwXDTIyMTAwODIzNTk1OVowaTElMGA1UEBHMCTVxk
EADA0BgNVBAgTB1NhcmF3YWsxCzApBgNVBAoTILNXSUS5CVVJORSBVTkLWRVJTSVRZ
IE9GIFRFRQ0hOT0xPRIkxGzAZBgNVBAMMEiouc3dpbmJ1cm5lLmVkdS5teTCCASIw
DQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAMMv0xH1jDekw/eYCAiw0cDQvA
8LGtnok62pyWhX8NlyhIqfeYnNSQuLMnc6eDIs40Bww4a9Q/BwVHfnTjin63Z6LD
/9PNLK1WknTIyxwF7g+a8cWd/Xq8mG2qUgXoh783ng1/Jpb+BI0RqLcIUuMPMweiM
mcckPHYBUGH/70IAPAi8hcqIR33BKzCc0MLCPAznkAUE57biPJDI0ZDv3NIubVkm
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djCzcBeN9vIpDC2jaDp70ZyAGz1R3INUNQ+Phogrp/ZYx/eT+VzrV0pFtwsCAwEA
Aa0CA1wggNymB8GA1UdIwQYMBaAFONmdLtwai0sXU40pkqPmzcinIKSMB0GA1Ud
DgQWBBS/A4w/qobKo3o8Aw7kB0SkJLXK9jA0BgNVH08BAf8EBAMCBaAwDADYVR0T
AQH/BA1wADAdBgNVH5UEFjAUBGgrBgEFBQcDAQYIKwYBBQUHAIwIswYDVR0gBEMw
QTAlBgwrBgEEAbIxAQIBAwQwTjAJBggrBgEFBQcCARYxaHR0cHM6Ly9zZWNoawdv
LmNvbS9DUUFmWmCAYGZ4EMAQICMFQGA1UdHwRNMESwSaBHoEWGQ2h0dHA6Ly9jcmwu
c2VjdGlnby5jb2V0U2VjdGlnb1B1YmtpY1NlcnZlckF1dGhlnbRPyZ2F0aW9u0QFP
VlIzNi5jcmwggYQGCCsGAQUFBwEBBHgwdjBPBggrBgEFBQcwAoZDdHR0cDovL2Ny
dC5zZWNoawdvLmNvbS9TZWN0aWdvUHVibG1jU2VydmlVYQXV0aGVudG9w0BAQsF
ADBgkqhkiG9w0BAQsFAA0CAyEADENGPAK1I0QK04bpbrTxpsv1DEPD2VUzDDDR
Wt4+B2JN3d4J7B1z4AAs+BnYJ0xBwjaSBGGMVvJp7LvuxxcvRQ120PbSjWe0NiV
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UvR2RgAOKhVgaIy2g3jM0Ew7L8gi+0eX21fGXL3lyLIWjPrfmaJqBLftaY1KRig
eWxH/7XE05tF+hhr76cq6hX7Lx47WkP50Idp1MPvpwZJKrb0FbdlKAGAYdgoBBp
cjrMo9hC2kkiIw0qsp7RQ0wdaGsB
-----END CERTIFICATE-----
 1 s:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
  i:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
  a:PKKEY: rsaEncryption, 3072 (bit); sigalg: RSA-SHA384
  v:NotBefore: Mar 22 00:00:00 2021 GMT; NotAfter: Mar 21 23:59:59 2036 GMT
-----BEGIN CERTIFICATE-----
MIIGTDCBBD5gAwIBAgIQLB08duLD3d3/GRsxiQrtcTANBgkqhkiG9w0BAQwFADBF
MQswCQYDVQQGEwJHQjEYMBYGA1UEChMPU2VjdGlnbyBMaW1pdGVkMTcwNQYDVQQD
Ey1TZWN0aWdvIFB1YmtpYyBTZXJ2ZXIgaGVudG9w0BAQsFADBgkqhkiG9w0BAQsF
HhcnMjEwMzIyMDAwMDAwMFAwXDTIyMTAwODIzNTk1OVowaTElMGA1UEBHMCTVxk
EADA0BgNVBAgTB1NhcmF3YWsxCzApBgNVBAoTILNXSUS5CVVJORSBVTkLWRVJTSVRZ
IE9GIFRFRQ0hOT0xPRIkxGzAZBgNVBAMMEiouc3dpbmJ1cm5lLmVkdS5teTCCASIw
DQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAMMv0xH1jDekw/eYCAiw0cDQvA
8LGtnok62pyWhX8NlyhIqfeYnNSQuLMnc6eDIs40Bww4a9Q/BwVHfnTjin63Z6LD
/9PNLK1WknTIyxwF7g+a8cWd/Xq8mG2qUgXoh783ng1/Jpb+BI0RqLcIUuMPMweiM
mcckPHYBUGH/70IAPAi8hcqIR33BKzCc0MLCPAznkAUE57biPJDI0ZDv3NIubVkm
ePgZu5nCEyAEPudFzzEc/MQmZxnHx812cMj22n8+c+aWTu4FTxZ1yJpL0ZgW7xFx
djCzcBeN9vIpDC2jaDp70ZyAGz1R3INUNQ+Phogrp/ZYx/eT+VzrV0pFtwsCAwEA
Aa0CA1wggNymB8GA1UdIwQYMBaAFONmdLtwai0sXU40pkqPmzcinIKSMB0GA1Ud
DgQWBBS/A4w/qobKo3o8Aw7kB0SkJLXK9jA0BgNVH08BAf8EBAMCBaAwDADYVR0T
AQH/BA1wADAdBgNVH5UEFjAUBGgrBgEFBQcDAQYIKwYBBQUHAIwIswYDVR0gBEMw
QTAlBgwrBgEEAbIxAQIBAwQwTjAJBggrBgEFBQcCARYxaHR0cHM6Ly9zZWNoawdv
LmNvbS9DUUFmWmCAYGZ4EMAQICMFQGA1UdHwRNMESwSaBHoEWGQ2h0dHA6Ly9jcmwu
c2VjdGlnby5jb2V0U2VjdGlnb1B1YmtpY1NlcnZlckF1dGhlnbRPyZ2F0aW9u0QFP
VlIzNi5jcmwggYQGCCsGAQUFBwEBBHgwdjBPBggrBgEFBQcwAoZDdHR0cDovL2Ny
dC5zZWNoawdvLmNvbS9TZWN0aWdvUHVibG1jU2VydmlVYQXV0aGVudG9w0BAQsF
ADBgkqhkiG9w0BAQsFAA0CAyEADENGPAK1I0QK04bpbrTxpsv1DEPD2VUzDDDR
Wt4+B2JN3d4J7B1z4AAs+BnYJ0xBwjaSBGGMVvJp7LvuxxcvRQ120PbSjWe0NiV
0Wdewljnjd0rVD2VYSbGKMb9yB18Lz2BSjKQqh1ZTM36KQMYtej2tcdnUpxffM
IxKsjxHYmC56w2V3IXyQCT+Staaay+Cm77x6jYPpuIClySTK7BPSGjzMkjDxNQLR
Hsw/KAw/eks7T5oLYdH8FdxJLUACsaL7ubD0XekYkQNZXwqbd27krK1mZsaaOxqL
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UvR2RgAOKhVgaIy2g3jM0Ew7L8gi+0eX21fGXL3lyLIWjPrfmaJqBLftaY1KRig
eWxH/7XE05tF+hhr76cq6hX7Lx47WkP50Idp1MPvpwZJKrb0FbdlKAGAYdgoBBp
cjrMo9hC2kkiIw0qsp7RQ0wdaGsB
-----END CERTIFICATE-----

```

```
bt47u68ZFCd/ac55I0DNHkCpaPruj6e9Rmr7K46wZDAYXuEqB7tGG/jd6JAA+H2
044CV98NRsU2l3f1kScIZntNagMBAAGjggGBMIIBftAFBgNVHSMEGDAWgBRwC1hk
lfmSGrASkGRieaFAFYghSTAdBgNVHQ4EFgQU42Z0u3BojSxdTg6mSo+bNyKcgpIw
DgYDVR0PAQH/BAQDAgGMBIGAIUdEwEB/wQIMAYBAfCAQAwHQYDVR0LBBYwFAyI
KwYBBQUHAWEGCCsGAQUFBwMCMBSGA1UdIAQUMBIwBgYEVR0gADAIbgZngQwBAGIw
VAYDVR0fBE0wSzBjOeegRYZDaHR0cDovL2NyYbC5zZWNoaWdvLmNvbS9TZWN0aWdv
UHVibGljU2VydmVyQXV0aGVudGljYXRpb255b290UjQ2LmNyYbDCBhYIKwYBBQUH
AQEEeDB2ME8GCCsGAQUFBzAChkNodHRwOi8vY3J0LnNlY3R3R28uY29tLlNlY3R3
Z290dWJsaWNTZXJ2ZXJBdXRoZW50aWNoZGlvb1Jvb3RSNDYucDdjMCMGCCsGAQUF
BzABhhodHRwOi8vb2NzcC5zZWNoaWdvLmNvbTANBgkqhkiG9w0BAQwFAAOCAgEA
BZXWdHWC3ubb/e1I1kzi8LPF1K/ZUoH09ufmV0rc50bYH/XKkUuexSPqRkwKFKr
7r80Ug+p7VNB8rifX6uopqKAgsVZtZsq7iAFw04To6vNcxeBt1Eush3cQ4b8nbQR
MQLChgEAqwhuXp9P48T4QEBSksYav7+aFjNySsLYLPzNqVM3RNwvBdvp6vgDtGwc
xLKQZVuuNVIAoYyls8swxDeSHKpRdxRauTLZ+pl+wGvy0pnrLEJGSz9m0Emfbod
e/XopR2NGqAHJ6bjYxPu6UtyQGI26En7UAEOzACrHz06Nx2jTAY9E6NeB6XuobE
wLK025ZRmvgLcURG1BrV24tGHHTGxCe8M3oGlpUSMTKQ2dkgLjZVYt+gKdFtWELZ
MuRdi+X3XsrR8LFz+aLuiDRfQqhmv3RxiYVkvvu9UPYYlnsvxYmFnUSeM+2q1z/
iPury+xDY9MC6+iHlEkT094VKdFVp7LXH42+vvwU+17LroLQ2mK2N/nBLVBwaIhIb
QXw4VYKwB86Bc6e56iqsc94KEgD/U4VsJmgfhK+Xp4NM+VYzTTa3QeV3p8x0M0cw
q1p8oZFA+0Bcz3FYWpDIe5j0NWkLw9hXsTyPY/HeZUV59aksKS0SR5mdfe8wJDPX
58uB9/7Lud0G3x0pxQAcffP0ayKavNwDtw4UfJ34cEw=
-----END CERTIFICATE-----
2 s:C = GB, 0 = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
i:C = US, ST = New Jersey, L = Jersey City, 0 = The USERTRUST Network, CN = USERTrust RSA Certification Authority
a:PKKEY: rsaEncryption, 4096 (bit); sigalg: RSA-SHA384
v:NotBefore: Mar 22 00:00:00 2021 GMT; NotAfter: Jan 18 23:59:59 2038 GMT
-----BEGIN CERTIFICATE-----
MIITGCCBH2gAwIBAgIRANJ/u8HeNZ55Fq1hSVhgmcQwDQYJKoZIhvcNAQEMBQAw
```

IPv6 Connection

IP Used	2606:4700:10::6814:1c5e
IP Version	6

```
depth=2 C = GB, 0 = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
verify return:1
depth=1 C = GB, 0 = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
verify return:1
depth=0 C = MY, ST = Sarawak, 0 = SWINBURNE UNIVERSITY OF TECHNOLOGY, CN = *.swinburne.edu.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
0 s:C = MY, ST = Sarawak, 0 = SWINBURNE UNIVERSITY OF TECHNOLOGY, CN = *.swinburne.edu.my
i:C = GB, 0 = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Oct 13 00:00:00 2025 GMT; NotAfter: Oct 8 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIHMTCCBZmgAwIBAgIQML1FjU1q2oIdzKq/EgakBzANBgkqhkiG9w0BAQsFADBg
MQswCQYDQVQVQGEwJH0jEYMBYGA1UEChMPU2VjdGlnbyBMaW1pdGVKMTCwNQYDVQVQ
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MB4XDTI1MTAxMzAwMDAwMfoXDTI2MTAwODIzNTk1OVovaTElMAkGA1UEBhMCTVxk
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QTA1BgwrBgEEAbIxAQIBAwQwJTAjBggrBgEFBQcCARYXaHR0cHM6Ly9zZWNoaWdv
LmNvbS9DUFMwCAYGZ4EMAQICMFGA1UdHwRNMESw5BHoEWGQ2h0dHA6Ly9jcmw
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```

MIIGlTCCBH2gAwIBAgIRANJ/u8HeNZ5SFq1hSVhgmcQwDQYJKoZIhvcNAQEMBQAw

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	403
Connected IP	104.20.28.94
Connect Time	28.19 ms
TTFB	115.97 ms
Total Time	116.62 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:53:21 GMT",
  "2": "Content-Type: text/html; charset=UTF-8",
  "3": "Connection: keep-alive",
  "4": "Location: https://swinburne.edu.my/",
  "5": "X-Content-Type-Options: nosniff",
  "6": "Server: cloudflare",
  "7": "CF-RAY: a1586f95e82b40c5-SIN",
  "8": "alt-svc: h3=\":443\"; ma=86400",
  "10": "HTTP/2 301",
  "11": "date: Fri, 03 Jul 2026 19:53:21 GMT",
  "12": "content-type: text/html; charset=UTF-8",
  "13": "location: https://www.swinburne.edu.my/",
  "14": "strict-transport-security: max-age=15552000; includeSubDomains; preload",
  "15": "x-content-type-options: nosniff",
  "16": "server: cloudflare",
  "17": "cf-ray: a1586f963e9ef8fe-SIN",
  "18": "alt-svc: h3=\":443\"; ma=86400",
  "20": "HTTP/2 403",
  "21": "date: Fri, 03 Jul 2026 19:53:21 GMT",
  "22": "content-type: text/html; charset=UTF-8",
  "23": "content-length: 5219",
  "24": "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",
  "25": "cf-mitigated: challenge",
  "26": "content-security-policy: default-src 'none'; script-src 'nonce-13lGIEUnE6m032suPbgLeW' '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'",
  "27": "server: cloudflare",
  "28": "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",
  "29": "cross-origin-embedder-policy: require-corp",
  "30": "cross-origin-opener-policy: same-origin",
  "31": "cross-origin-resource-policy: same-origin",
  "32": "origin-agent-cluster: ?1",
  "33": "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=*",
  "34": "referrer-policy: same-origin",
  "35": "server-timing: chlrays;desc=\\\"a1586f967e4c87e9\\\"\"",
  "36": "x-content-type-options: nosniff",
  "37": "x-frame-options: SAMEORIGIN",
  "38": "strict-transport-security: max-age=15552000; includeSubDomains; preload",
  "39": "cf-ray: a1586f967e4c87e9-SIN",
  "40": "alt-svc: h3=\":443\"; ma=86400"
}
```

IPv6 HTTP (port 80)

HTTP Status	403
Connected IP	2606:4700:10::ac42:a483
Connect Time	29.05 ms
TTFB	118.63 ms
Total Time	119.68 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:53:21 GMT",
```

```

    "2": "Content-Type: text/html; charset=UTF-8",
    "3": "Connection: keep-alive",
    "4": "Location: https://swinburne.edu.my/",
    "5": "X-Content-Type-Options: nosniff",
    "6": "Server: cloudflare",
    "7": "CF-RAY: a1586f94aa059c6f-SIN",
    "8": "alt-svc: h3=\":443\"; ma=86400",
    "10": "HTTP/2 301",
    "11": "date: Fri, 03 Jul 2026 19:53:21 GMT",
    "12": "content-type: text/html; charset=UTF-8",
    "13": "location: https://www.swinburne.edu.my/",
    "14": "strict-transport-security: max-age=15552000; includeSubDomains; preload",
    "15": "x-content-type-options: nosniff",
    "16": "server: cloudflare",
    "17": "cf-ray: a1586f950ed3cde2-SIN",
    "18": "alt-svc: h3=\":443\"; ma=86400",
    "20": "HTTP/2 403",
    "21": "date: Fri, 03 Jul 2026 19:53:21 GMT",
    "22": "content-type: text/html; charset=UTF-8",
    "23": "content-length: 5240",
    "24": "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",
    "25": "cf-mitigated: challenge",
    "26": "content-security-policy: default-src 'none'; script-src 'nonce-5Z0q5zETvFs5glsHgu0GSh' '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'",
    "27": "server: cloudflare",
    "28": "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",
    "29": "cross-origin-embedder-policy: require-corp",
    "30": "cross-origin-opener-policy: same-origin",
    "31": "cross-origin-resource-policy: same-origin",
    "32": "origin-agent-cluster: ?1",
    "33": "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=*",
    "34": "referrer-policy: same-origin",
    "35": "server-timing: chlrays;desc=\\\"a1586f95492dc662\\\"\"",
    "36": "x-content-type-options: nosniff",
    "37": "x-frame-options: SAMEORIGIN",
    "38": "strict-transport-security: max-age=15552000; includeSubDomains; preload",
    "39": "cf-ray: a1586f95492dc662-SIN",
    "40": "alt-svc: h3=\":443\"; ma=86400"
  }
}
```

IPv4 HTTPS (port 443)

HTTP Status	403
Connected IP	104.20.28.94
Connect Time	16.59 ms
TTFB	76.22 ms
Total Time	76.9 ms

Response Headers:

```

{
  "0": "HTTP/2 301",
  "1": "date: Fri, 03 Jul 2026 19:53:21 GMT",
  "2": "content-type: text/html; charset=UTF-8",
  "3": "location: https://www.swinburne.edu.my/",
  "4": "strict-transport-security: max-age=15552000; includeSubDomains; preload",
  "5": "x-content-type-options: nosniff",
  "6": "server: cloudflare",
  "7": "cf-ray: a1586f96bf71820d-SIN",
  "8": "alt-svc: h3=\":443\"; ma=86400",
  "10": "HTTP/2 403",
  "11": "date: Fri, 03 Jul 2026 19:53:21 GMT",
  "12": "content-type: text/html; charset=UTF-8",
  "13": "content-length: 5219",
  "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-Wv1larAEhp04zDbimP0w7Y0' '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: chlr;desc=\"a1586f96fe479b93\"",
  "26": "x-content-type-options: nosniff",
  "27": "x-frame-options: SAMEORIGIN",
  "28": "strict-transport-security: max-age=15552000; includeSubDomains; preload",
  "29": "cf-ray: a1586f96fe479b93-SIN",
  "30": "alt-svc: h3=\":443\"; ma=86400"
}
```

IPv6 HTTPS (port 443)

HTTP Status	403
Connected IP	2606:4700:10::ac42:a483
Connect Time	19.64 ms
TTFB	78.49 ms
Total Time	78.58 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "date: Fri, 03 Jul 2026 19:53:21 GMT",
  "2": "content-type: text/html; charset=UTF-8",
  "3": "location: https://www.swinburne.edu.my/",
  "4": "strict-transport-security: max-age=15552000; includeSubDomains; preload",
  "5": "x-content-type-options: nosniff",
  "6": "server: cloudflare",
  "7": "cf-ray: a1586f958cfcd176-SIN",
  "8": "alt-svc: h3=\":443\"; ma=86400",
  "10": "HTTP/2 403",
  "11": "date: Fri, 03 Jul 2026 19:53:21 GMT",
  "12": "content-type: text/html; charset=UTF-8",
  "13": "content-length: 5240",
  "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-CqzTnEfSHHnB7LlJy835c8' '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: chlr;desc=\"a1586f95c8776494\"",
  "26": "x-content-type-options: nosniff",
  "27": "x-frame-options: SAMEORIGIN",
  "28": "strict-transport-security: max-age=15552000; includeSubDomains; preload",
  "29": "cf-ray: a1586f95c8776494-SIN",
  "30": "alt-svc: h3=\":443\"; ma=86400"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.009649 0.038656
TCP Connect IPv6 → port 80	301 0.007687 0.032909
TCP Connect IPv4 → port 443	301 0.006835 0.032448
TCP Connect IPv6 → port 443	301 0.008400 0.038651

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
fe80::/64 dev eth0 proto kernel metric 256 pref medium
default via 2a02:4780:5e::1 dev eth0 proto static metric 1024 pref medium

IPv4 Routes

default via 76.13.221.254 dev eth0 proto static
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