IPv6 Readiness Report

khazanah.com.my — khazanah.com.my

Scan to verify

Category: Enterprise • Generated: 02 Nov 2026, 03:11 MYT • Last Checked: 08 Aug 2026, 18:30 MYT • Verification ID: 4cd071fb-4675-46ec-ba81-67d2d0f53ec9
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/4cd071fb-4675-46ec-ba81-67d2d0f53ec9

⚠

Partially Compliant

MGv6C-1.0

81%

Partial Support

IPV6-ONLY READINESS

Website: ✗ **Not Ready**

DNS: ✓ **Ready**

Email: ✗ **Not Ready**

IPV6 ADDRESSES

2600:9000:215c:4e00:1:ca45:7c80:93a1
2600:9000:215c:a00:1:ca45:7c80:93a1
2600:9000:215c:ae00:1:ca45:7c80:93a1
2600:9000:215c:e800:1:ca45:7c80:93a1
2600:9000:215c:ce00:1:ca45:7c80:93a1
2600:9000:215c:e600:1:ca45:7c80:93a1
2600:9000:215c:5600:1:ca45:7c80:93a1
2600:9000:215c:8e00:1:ca45:7c80:93a1

IPV4 ADDRESSES

65.9.168.115
65.9.168.108
65.9.168.87
65.9.168.107

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	65.9.128.0/18

Web Services (35%) — 6 / 8

#	CHECK	RESULT	DETAIL
1	**AAAA Record**	PASS	2600:9000:215c:4e00:1:ca45:7c80:93a1, 2600:9000:215c:a00:1:ca45:7c80:93a1, 2600:9000:215c:ae00:1:ca45:7c80:93a1, 2600:9000:215c:e800:1:ca45:7c80:93a1, 2600:9000:215c:ce00:1:ca45:7c80:93a1, 2600:9000:215c:e600:1:ca45:7c80:93a1, 2600:9000:215c:5600:1:ca45:7c80:93a1, 2600:9000:215c:8e00:1:ca45:7c80:93a1
2	**Globally Routable IPv6**	PASS	All addresses are globally routable.
3	**HTTP over IPv6**	PASS	HTTP (port 80) responds over IPv6 — 14ms TTFB.
4	**HTTPS over IPv6**	PASS	HTTPS (port 443) responds over IPv6 — 8ms 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 = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36, expires Apr 3 23:59:59 2027 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.

#	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%) — 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	65.9.168.115, 65.9.168.108, 65.9.168.87, 65.9.168.107
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4 — 46ms TTFB.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4 — 27ms TTFB.

Audit Trail & Evidence Record

Verification ID	4cd071fb-4675-46ec-ba81-67d2d0f53ec9
Domain	khazanah.com.my
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:30:34 MYT
Finished	08 Aug 2026, 18:30:56 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/4cd071fb-4675-46ec-ba81-67d2d0f53ec9

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	fcc00232d3b873cc943828c27af6a6991e3128de40231447c666c91c96023c95
http_headers	7d93125458023216251f1f85c3aa8b8954bc7889e07225d56c7bd75c8e172719
dns_responses	466f868f7355d2e7e96f9034ae97ba7cab9acac6c7f145b66c2e78d2877b7afc
tls_handshake	1ec56fa837b4e4eeabb34f4d92b61ac1ef42d9e14d118156fc4dcc13025e6005
connectivity_log	6ba552cff47a0bfa6fcc9647bc32454960a78d4ec947affe736f577157e0d1c3
dns_resolution_times	dc46f07bcf57152022e8b4e9db21a4dd7d3c719628b4632d3a32b8ecaf0ad48d

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	26.79	29.16	24.83	26.95	-2
Google	IPv4	70.46	115.38	80.35	102.88	+9.9
Google	IPv6	88.97	281.25	60.86	430.58	-28.1
Cloudflare	IPv4	23.17	23.41	21.3	21.99	-1.9
Cloudflare	IPv6	71.01	157.07	34.55	95.26	-36.5

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 40226
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
khazanah.com.my.	41	IN	A	65.9.168.87
khazanah.com.my.	41	IN	A	65.9.168.115
khazanah.com.my.	41	IN	A	65.9.168.108
khazanah.com.my.	41	IN	A	65.9.168.107
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 5596
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my.		3033	IN	SOA	e.nic.my. hostmaster.nic.my. 2026062862 1800 900 604800 3600
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 20556
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
khazanah.com.my.	300	IN	MX	5 khazanah-com-my.mail.protection.outlook.com.
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 728
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
khazanah.com.my.	59539	IN	NS	zara.ns.cloudflare.com.
khazanah.com.my.	59539	IN	NS	cody.ns.cloudflare.com.
```

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 18949
;; flags: qr rd ra; QUERY: 1, ANSWER: 10, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
khazanah.com.my.	300	IN	TXT	"MS=763EFC153EF4DE77DC231596FBB43E1253198427"
khazanah.com.my.	300	IN	TXT	"anthropic-domain-verification-5110j3=pRpVVngq9RpcYAC8YXwv6DB9x"
khazanah.com.my.	300	IN	TXT	"docusign=8576750b-4953-478f-84fd-6912b949b2cf"
khazanah.com.my.	300	IN	TXT	"globalsign-domain-verification=kbbR0MxiJ4MduhvKssCbLHpVMy-ONfT05h27bAmUzH"
khazanah.com.my.	300	IN	TXT	"heygen-verification=zy4vr7kmdxopu3f0dz39vnaah4t548s1"
khazanah.com.my.	300	IN	TXT	"successfactors-site-verification=YzhlNThkYTYxZjVjNmM3NWU0NDhmNGNlZGJkYTA3ZTA5MTI3NTI3MzUwMmY5YzhhYjVlMzE1YTlkZmYwMDhiNA=="
khazanah.com.my.	300	IN	TXT	"v=spf1 ip4:210.187.94.101 include:spf.protection.outlook.com include:_spf-dc44.sapsf.com include:_spf-dc10.sapsf.com mx ~all"
khazanah.com.my.	300	IN	TXT	"yoT+kJn5Ek6xqwgfXrqhiARgDOoWoztVG+le8RmESSSq5pb+PS6gSZF5Xs/y346RC5QTUBuwldQ2+3trj7gLyQ=="
khazanah.com.my.	300	IN	TXT	"278363695-551643838"
khazanah.com.my.	300	IN	TXT	"2e0e39ab-a35c-4a0c-baf0-be35abd25039"
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 37242
;; flags: qr rd ra; QUERY: 1, ANSWER: 8, AUTHORITY: 0, ADDITIONAL: 1

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

```
;; ANSWER SECTION:
khazanah.com.my.␣41␣IN␣AAAA␣2600:9000:215c:4e00:1:ca45:7c80:93a1
khazanah.com.my.␣41␣IN␣AAAA␣2600:9000:215c:a00:1:ca45:7c80:93a1
khazanah.com.my.␣41␣IN␣AAAA␣2600:9000:215c:ae00:1:ca45:7c80:93a1
khazanah.com.my.␣41␣IN␣AAAA␣2600:9000:215c:e600:1:ca45:7c80:93a1
khazanah.com.my.␣41␣IN␣AAAA␣2600:9000:215c:5600:1:ca45:7c80:93a1
khazanah.com.my.␣41␣IN␣AAAA␣2600:9000:215c:8e00:1:ca45:7c80:93a1
khazanah.com.my.␣41␣IN␣AAAA␣2600:9000:215c:e800:1:ca45:7c80:93a1
khazanah.com.my.␣41␣IN␣AAAA␣2600:9000:215c:ce00:1:ca45:7c80:93a1
```

RRSIG

```
cody.ns.cloudflare.com. dns.cloudflare.com. 2411214307 10000 2400 604800 1800
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 28327
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
khazanah.com.my.␣1781␣IN␣SOA␣cody.ns.cloudflare.com. dns.cloudflare.com. 2411214307 10000 2400 604800 1800
```

DNSSEC_VALIDATION

```
; unsigned answer
khazanah.com.my.␣1781␣IN␣SOA␣cody.ns.cloudflare.com. dns.cloudflare.com. 2411214307 10000 2400 604800 1800
```

TLS Handshake Evidence

IPV4 Connection

IP Used	65.9.168.115
IP Version	4

```
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 = Wilayah Persekutuan Kuala Lumpur, O = Khazanah Nasional Berhad, CN = *.khazanah.com.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:C = MY, ST = Wilayah Persekutuan Kuala Lumpur, O = Khazanah Nasional Berhad, CN = *.khazanah.com.my
   i:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Mar  3 00:00:00 2026 GMT; NotAfter: Apr  3 23:59:59 2027 GMT
-----BEGIN CERTIFICATE-----
MIIHRjCCBa6gAwIBAgIRAO0C1ys6qJpFsty8vFL0BugwDQYJKoZIhvcNAQELBQAw
YDELMAkGA1UEBhMCR0IxGDAWBgNVBAoTD1NlY3RpZ28gTGltaXRlZDE3MDUGA1UE
AxMuU2VjdGlnbyBQdWJsaWMgU2VydmVyIEF1dGhlbnRpY2F0aW9uIENBIE9WIFIz
NjAeFw0yNjAzMDMwMDAwMDBaFw0yNzA0MDMyMzU5NTlaMHcxCzAJBgNVBAYTAk1Z
MSkwJwYDVQQIEyBXaWxheWFoIFBlcnNla3V0dWFuIEt1YWxhIEx1bXB1cjEhMB8G
A1UEChMYS2hhemFuYWggTmFzaW9uYWwgQmVyaGFkMRowGAYDVQQDDBEqLmtoYXph
bmFoLmNvbS5teTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAM/BmKf+
9dkoAPWIo/Z+azl2ZcDSPebfLaRPz9Y3XggUp4Zj5VuPQmBKxE49+bjx8TTJoWXR
iGKTbu5JojVgxWSLCHJLhkTtcWlBM4KSczfch8H7CmEizLZMpGCgY9Ljd9r4KI1p
a2NU1or78pbafODWIQSe10wwuiDX9MdQ0nzU7uXCsV88K9uC2WikDMYAVYGHnKru
bDh7k96GDzIhJJ7e+npwQQOmTn+DnurX+6ewLQsww22eOcT6l0VSRdnz9aBrOvwa
jAH4qpQrZxFPMlWA+3UF3rZQiQSOVjZPWvVPmLeleuuJk5mLMXhGcxun4XnRcdLD
1ZsDhw/APftHNVUCAwEAAaOCA2IwggNeMB8GA1UdIwQYMBaAFONmdLtwaI0sXU4O
pkqPmzcinIKSMB0GA1UdDgQWBBQhildTfSxfpMHCQHW4bsDKqanJ9zAOBgNVHQ8B
Af8EBAMCBaAwDAYDVR0TAQH/BAIwADATBgNVHSUEDDAKBggrBgEFBQcDATBKBgNV
HSAEQzBBMDUGDCsGAQQBsjEBAgEDBDAlMCMGCCsGAQUFBwIBFhdodHRwczovL3Nl
Y3RpZ28uY29tL0NQUzAIBgZngQwBAgIwVAYDVR0fBE0wSzBJoEegRYZDaHR0cDov
L2NybC5zZWN0aWdvLmNvbS9TZWN0aWdvUHVibGljU2VydmVyQXV0aGVudGljYXRp
b25DQU9WUjM2LmNybDCBhAYIKwYBBQUHAQEEeDB2ME8GCCsGAQUFBzAChkNodHRw
Oi8vY3J0LnNlY3RpZ28uY29tL1NlY3RpZ29QdWJsaWNTZXJ2ZXJBdXRoZW50aWNh
dGlvbkNBT1ZSMzYuY3J0MCMGCCsGAQUFBzABhhdodHRwOi8vb2NzcC5zZWN0aWdv
LmNvbTAtBgNVHREEJjAkghEqLmtoYXphbmFoLmNvbS5teYIPa2hhemFuYWguY29t
Lm15MIIBjwYKKwYBBAHWeQIEAgSCAX8EggF7AXkAdwAcn2gs6frwRWlQ+BuWiofd
2zIQ2EzmyLLjglJKxM9ZnwAAAZyyEadnAAAEAwBIMEYCIQDicachGQpRHK8zcy0M
5GLqIgwtNlasTq6pNIGnpNATDwIhAKJDTa07i6rWXaeXWwnkf+K3XlD1aD9ovjQH
lIrzsFfkAH4AjspHC6zeavOiBrCkeoS3Rv4fxr+VPiXmm07kAkjzxugAAAGcshGo
/QAIAAAFAAMBE64EAwBHMEUCIQCXkzbzeWlNwHrM3WJhQuLhSkcs8JoDXUt60mSu
qRvNKAIgIBELhFkU+gqEcn75MdeilOl6hMkodPSMJyurtSR4nSUAfgBZbmwzhpSy
WXKiVsig6N2QSnboCD3ahzsBCDgoFDzuWQAAAZyyEabiAAgAAAUAADCztQQDAEcw
RQIhAKLMb9j1hUF1iEh39pS3IXAYyn/ZLVkshkaN0lIS1rX1AiBllLmsUI+zonq9I
EbcDInhBQgIqi5eVFSZie7bU5fmo5jANBgkqhkiG9w0BAQsFAAOCAYEATrwOpt0x
Ow6a5KNfHfOcjwYbG3nq/8Fp3GpqaNGdsFm4F+vh8MxOlaqpwsa88za/zCOVkoj1
Ly3//FiT2cZ5caQb8hU8fB18K/BLEsnoTp7/x1zpVkLiSLqghbGAGC4jOxv28S7o
thVKP17IF5uhJGrB6I6bGFDLoylOtuXuSQT2GejVzgixgqqsL9LogzWOXAn0FwbO
k4QAbrl8lZ0J+wCsiYPkHl/1iOsjOgL81G1FciAfrvrVxMZICTnv4Q8By9+sPYhq
yL6kO1k+6AXZIyEca7WOIlXelst26WL37OH5lm5QuhMqvq1BWmMgeaj/cf4Xft0g
XLY9zcDtBCOe0MmTtyzR+eeGKzutp7lF1PN051q2/EkVll67e9cexIMBGXP51gez
EG4U+LNbrLFNxRhoJ+2oQ+MWLGobD62V6bmtmxCKEOQU6Zh63ujLmFR8R3dxyC8x
0U6nkfvci46Bf08OJu6petrd2y39VIFr8rN4IoN7SrAnX3yOSi/JfL4a
-----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:PKEY: 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-----
MIIGTDCCBDSgAwIBAgIQLBo8dulD3d3/GRsxiQrtcTANBgkqhkiG9w0BAQwFADBf
MQswCQYDVQQGEwJHQjEYMBYGA1UEChMPU2VjdGlnbyBMaW1pdGVkMTYwNAYDVQQD
Ey1TZWN0aWdvIFB1YmxpYyBTZXJ2ZXIgQXV0aGVudGljYXRpb24gUm9vdCBSNDYw
HhcNMjEwMzIyMDAwMDAwWhcNMzYwMzIxMjM1OTU5WjBgMQswCQYDVQQGEwJHQjEY
MBYGA1UEChMPU2VjdGlnbyBMaW1pdGVkMTcwNQYDVQQDEy5TZWN0aWdvIFB1Ymxp
YyBTZXJ2ZXIgQXV0aGVudGljYXRpb24gQ0EgT1YgUjM2MIIBojANBgkqhkiG9w0B
AQEFAAOCAY8AMIIBigKCAYEApkMtJ3R06jo0fceI0M52B7K+TyMeGcv2BQ5AVc3j
lYt76TvHIu/nNe22W/RJXX9rWUD/2GE6GF5x0V4bsY7K3IeJ8E7+KzG/TGboySfD
u+F52jqQBbY62ofhYjMeiAbLI02+FqwHeM8uIrUtcX8b2RCxF358TB0NHVccAXZc
FYgZndZCeXxjuca7pJJ20LLUnXtgXcjAE1vY4WvbReW0W6mkeZyNGdmpTcFs5Y+s
yy6LtE5Zocji9J9NlNnReox2RWVyEXpA1ChZ4gqN+ZpVSIQ0HBorVFbBKyhdZyEX
gZgNSNtBRwxqwIzJePJhYd4ZUhO1vk+/uP3nwDk0p95q/j7naXNCSvESnrHPypaB
WRK066nKfPRPi9m9kIOhMdYfS8giFRTcdgL24Ycilj7ecAK9Trh0VbjwouJ4WH+x
```

```
bt47u68ZFCD/ac55I0DNHkCpaPruj6e9Rmr7K46wZDAYXuEAqB7tGG/jd6JAA+H2
O44CV98NRsU213f1kScIZntNAgMBAAGjggGBMIIBfTAfBgNVHSMEGDAWgBRWc1hk
lfmSGrASKgRieaFAFYghSTAdBgNVHQ4EFgQU42Z0u3BojSxdTg6mSo+bNyKcgpIw
DgYDVR0PAQH/BAQDAgGGMBIGA1UdEwEB/wQIMAYBAf8CAQAwHQYDVR0lBBYwFAYI
KwYBBQUHAwEGCCsGAQUFBwMCMBsGA1UdIAQUMBIwBgYEVR0gADAIBgZngQwBAgIw
VAYDVR0fBE0wSzBJoEegRYZDaHR0cDovL2NybC5zZWN0aWdvLmNvbS9TZWN0aWdv
UHVibGljU2VydmVyQXV0aGVudGljYXRpb25Sb290UjQ2LmNybDCBhAYIKwYBBQUH
AQEEeDB2ME8GCCsGAQUFBzAChkNodHRwOi8vY3J0LnNlY3RpZ28uY29tL1NlY3Rp
Z29QdWJsaWNTZXJ2ZXJBdXRoZW50aWNhdGlvblJvb3RSNDYucDdjMCMGCCsGAQUF
BzABhhdodHRwOi8vb2NzcC5zZWN0aWdvLmNvbTANBgkqhkiG9w0BAQwFAAOCAgEA
BZXWDHWC3cubb/e1I1kzi8lPFiK/ZUoH09ufmVOrc5ObYH/XKkWUexSPqRkwKFKr
7r8OuG+p7VNB8rifX6uopqKAgsvZtZsq7iAFw04To6vNcxeBt1Eush3cQ4b8nbQR
MQLChgEAqwhuXp9P48T4QEBSksYav7+aFjNySsLYlPzNqVM3RNwvBdvp6vgDtGwc
xlKQZVuuNVIaoYyls8swhxDeSHKpRdxRauTLZ+pl+wGvy0pnrLEJGSz9mOEmfbod
e/XopR2NGqaHJ6bIjyxPu6UtyQGI26En7UAEozACrHz06Nx2jTAY9E6NeB6XuobE
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58uB9/7lud0G3x0pxQAcffP0ayKavNwDTw4UfJ34cEw=
-----END CERTIFICATE-----
---
Server certificate
subject=C = MY, ST = Wilayah Persekutuan Kuala Lumpur, O = Khazanah Nasional Berhad, CN = *.khazanah.com.my
issuer=C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
---
No client certificate CA names sent
```

IPV6 Connection

IP Used	2600:9000:215c:4e00:1:ca45:7c80:93a1
IP Version	6

```
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 = Wilayah Persekutuan Kuala Lumpur, O = Khazanah Nasional Berhad, CN = *.khazanah.com.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:C = MY, ST = Wilayah Persekutuan Kuala Lumpur, O = Khazanah Nasional Berhad, CN = *.khazanah.com.my
   i:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Mar  3 00:00:00 2026 GMT; NotAfter: Apr  3 23:59:59 2027 GMT
-----BEGIN CERTIFICATE-----
MIIHRjCCBa6gAwIBAgIRAO0C1ys6qJpFsty8vFL0BugwDQYJKoZIhvcNAQELBQAw
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```

```
Ow6a5KNfHfOcjwYbG3nq/8Fp3GpqaNGdsFm4F+vh8MxOlaqpwsa88za/zCOVkoj1
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-----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:PKEY: 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-----
MIIGTDCCBDSgAwIBAgIQLBo8dulD3d3/GRsxiQrtcTANBgkqhkiG9w0BAQwFADBf
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58uB9/7lud0G3x0pxQAcffP0ayKavNwDTw4UfJ34cEw=
-----END CERTIFICATE-----
---
Server certificate
subject=C = MY, ST = Wilayah Persekutuan Kuala Lumpur, O = Khazanah Nasional Berhad, CN = *.khazanah.com.my
issuer=C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA OV R36
---
No client certificate CA names sent
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	403
Connected IP	65.9.168.108
Connect Time	18.44 ms
TTFB	47.13 ms
Total Time	47.22 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Server: CloudFront",
    "2": "Date: Sat, 08 Aug 2026 10:30:56 GMT",
    "3": "Content-Type: text/html",
    "4": "Content-Length: 167",
    "5": "Connection: keep-alive",
    "6": "Location: https://khazanah.com.my/",
    "7": "X-Cache: Redirect from cloudfront",
    "8": "Via: 1.1 11487263bad381d0f94fe76dc67ed7e2.cloudfront.net (CloudFront)",
    "9": "X-Amz-Cf-Pop: SIN3-P4",
    "10": "X-Amz-Cf-Id: 0eai8BJCyx1_IpaLetNPcuvN6JfjKhUgpb8gbWCs7nZy3A8T6htrkw==",
    "12": "HTTP/2 403",
    "13": "server: CloudFront",
    "14": "date: Sat, 08 Aug 2026 10:30:56 GMT",
    "15": "content-type: text/html",
    "16": "content-length: 919",
    "17": "x-cache: Error from cloudfront",
    "18": "via: 1.1 c41bff90583bb010b834bd950babd00e.cloudfront.net (CloudFront)",
    "19": "x-amz-cf-pop: SIN3-P4",
    "20": "x-amz-cf-id: Z8gkdIAZnaHv9CwRqOEQqlwMlW7qz7cEzGOBIdR6299FvQEQMN8ExA=="
}
```


IPv6 HTTP (port 80)

HTTP Status	403
Connected IP	2600:9000:215c:ae00:1:ca45:7c80:93a1
Connect Time	4.94 ms
TTFB	12.84 ms
Total Time	12.9 ms

Response Headers:


```
{
    "0": "HTTP/1.1 301 Moved Permanently",
    "1": "Server: CloudFront",
    "2": "Date: Sat, 08 Aug 2026 10:30:55 GMT",
    "3": "Content-Type: text/html",
    "4": "Content-Length: 167",
    "5": "Connection: keep-alive",
    "6": "Location: https://khazanah.com.my/",
    "7": "X-Cache: Redirect from cloudfront",
    "8": "Via: 1.1 4a868a9cd6800c1ab6367ca0036cd1be.cloudfront.net (CloudFront)",
    "9": "X-Amz-Cf-Pop: KUL51-P1",
    "10": "X-Amz-Cf-Id: PL-I9_sP16ToBNcNeBcUwLXKnhdqhrsCOFHXtYZfQmzGtD7pIjqc2w==",
    "12": "HTTP/2 403",
    "13": "server: CloudFront",
    "14": "date: Sat, 08 Aug 2026 10:30:55 GMT",
    "15": "content-type: text/html",
    "16": "content-length: 919",
    "17": "x-cache: Error from cloudfront",
    "18": "via: 1.1 a356aaf8ab38822aa1457359f4d5f082.cloudfront.net (CloudFront)",
    "19": "x-amz-cf-pop: KUL51-P1",
    "20": "x-amz-cf-id: moDmRyXX5R5vJVu_SSffzzh0Tghbok8PjNrkMEjUfXfvVOCR7jbjlw=="
}
```


IPv4 HTTPS (port 443)

HTTP Status	403
Connected IP	65.9.168.115

Connect Time	7.47 ms
TTFB	28.13 ms
Total Time	28.16 ms

Response Headers:

```
[
    "HTTP/2 403",
    "server: CloudFront",
    "date: Sat, 08 Aug 2026 10:30:56 GMT",
    "content-type: text/html",
    "content-length: 919",
    "x-cache: Error from cloudfront",
    "via: 1.1 04b6d0a731d8e448d409f0f62d7aa250.cloudfront.net (CloudFront)",
    "x-amz-cf-pop: SIN3-P4",
    "x-amz-cf-id: RJEZyKlyEJEVtq41YaN1F4nxX8iAVHG_kME402UYjzBi_ErHWH653g=="
]
```

IPv6 HTTPS (port 443)

HTTP Status	403
Connected IP	2600:9000:215c:4e00:1:ca45:7c80:93a1
Connect Time	1.2 ms
TTFB	7.62 ms
Total Time	7.64 ms

Response Headers:

```
[
    "HTTP/2 403",
    "server: CloudFront",
    "date: Sat, 08 Aug 2026 10:30:56 GMT",
    "content-type: text/html",
    "content-length: 919",
    "x-cache: Error from cloudfront",
    "via: 1.1 fe1780c1f2e3d2e8204e713312157628.cloudfront.net (CloudFront)",
    "x-amz-cf-pop: KUL51-P1",
    "x-amz-cf-id: hiQ1myWHHJG_ySfjF37Wyhabl-PMHa3lZIfuqgMuPp84Fe48YXN8Xg=="
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.007599 0.015728
TCP Connect IPv6 → port 80	301 0.001414 0.003162
TCP Connect IPv4 → port 443	200 0.007765 0.038942
TCP Connect IPv6 → port 443	200 0.001428 0.023038

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
```