IPv6 Readiness Report

apu.edu.my — apu.edu.my

Scan to verify

Category: Education • Generated: 02 Nov 2026, 02:48 MYT • Last Checked: 08 Aug 2026, 18:32 MYT • Verification ID: 9c51b57f-4183-4f75-89c2-bfee61302e23
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/9c51b57f-4183-4f75-89c2-bfee61302e23

⚠
Partially Compliant
MGv6C-1.0

60%
Partial Support

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

IPV4 ADDRESSES
13.250.86.84
18.138.82.156
52.221.125.223

Network Information (WHOIS / RDAP)

	IPv4 Network
Organization	Amazon Data Services Singapore
Country	US
ASN	AS16509
ASN Name	AMAZON-02 - Amazon.com, Inc., US
Network (CIDR)	13.250.0.0/15

Web Services (35%) 0 / 8

#	CHECK	RESULT	DETAIL
1	**AAAA Record**	FAIL	No AAAA record found in DNS.
2	**Globally Routable IPv6**	FAIL	IPv6 address is not globally routable.
3	**HTTP over IPv6**	FAIL	HTTP is not accessible over IPv6.
4	**HTTPS over IPv6**	FAIL	HTTPS is not accessible over IPv6.
5	**IPv6-Only Reachability**	FAIL	Site is not reachable when limited to IPv6-only.
6	**TLS Certificate Valid (IPv6)**	FAIL	TLS certificate is invalid, expired, or hostname mismatch over IPv6.
7	**Dual-Stack (IPv4 + IPv6)**	FAIL	Domain is IPv6-only or IPv4-only.
8	**HTTP/3 (QUIC)**	FAIL	No HTTP/3 support detected.

DNS & DNSSEC (25%) 4 / 5

#	CHECK	RESULT	DETAIL
1	**NS Has AAAA Record**	PASS	Nameserver has IPv6 address.
2	**NS Reachable via IPv6**	PASS	Nameserver is reachable via IPv6 on port 53.
3	**NS Answers Queries via IPv6**	PASS	DNS queries answered over IPv6.
4	**DNSSEC Validated**	PASS	DNSSEC fully validated.
5	**Reverse DNS (PTR)**	FAIL	No PTR record found.
6	**DS Record at Parent**	PASS	DS record found at parent zone.

#	CHECK	RESULT	DETAIL
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	13.250.86.84, 18.138.82.156, 52.221.125.223
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4 — 35ms TTFB.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4 — 55ms TTFB.

Audit Trail & Evidence Record

Verification ID	9c51b57f-4183-4f75-89c2-bfee61302e23
Domain	apu.edu.my
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:32:12 MYT
Finished	08 Aug 2026, 18:32:31 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/9c51b57f-4183-4f75-89c2-bfee61302e23

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	f6c1f06d262eaad68bd4c206884a8e30ad91fb871079afc534edd03eecef6afa
http_headers	4d0bbced75408aa38a0a45d31f03c568c4c4cb9fadfd9f21e8e2cb9927fc64a0
dns_responses	c32c84bc24cbd30efc2ab40b8f8369b02412d06042315a75852da479826cb3cf
tls_handshake	5c0f73e7fd8b1dc40fb671a05c92263b881302cd2b50b01d838a3e4a1ad0ee54
connectivity_log	84c591d2233d5da0c1082bf5a94fb5edeeefc4ff8f543c862cc8fa85ee38f25d
dns_resolution_times	af202ebe7ddb93b5176df0c51c76b2b4eb2da893f3abbf952c0ea13aebda3c64

Test Node Identity

Os	Linux srv1440888 6.8.0-136-generic #136-Ubuntu SMP PREEMPT_DYNAMIC Wed Jul 1 21:53:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.33
Server Ipv4	76.13.221.142
Server Ipv6	2a02:4780:5e:2789::1

DNS Resolution Performance

Comparison of A (IPv4) vs AAAA (IPv6) query times across resolvers and transports. Shows median (p50) and 95th percentile (p95) of 3 samples per tuple.

Resolver	Transport	A p50 (ms)	A p95 (ms)	AAAA p50 (ms)	AAAA p95 (ms)	Delta (ms)
System	Default	23.47	23.56	24.64	25.55	+1.2
Google	IPv4	82.04	123.29	90.49	110.02	+8.4
Google	IPv6	81.92	92.58	86.16	94.99	+4.2
Cloudflare	IPv4	22.74	23.03	23.04	24.12	+0.3
Cloudflare	IPv6	21.58	22.91	23.47	40.19	+1.9

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 58651
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
apu.edu.my.	60	IN	A	52.221.125.223
apu.edu.my.	60	IN	A	13.250.86.84
apu.edu.my.	60	IN	A	18.138.82.156
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 177
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
apu.edu.my.	59592	IN	DS	61385 13 2 7D5A390725C27E7DF5DD86B2B0B8D13D414A90790917328FA07AEDED 9CBC7C01
apu.edu.my.	59592	IN	DS	61385 13 1 C1237F91BA7E276E7362EBBB0470BA0F5F591830
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 15007
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
apu.edu.my.	3600	IN	MX	0 apu-edu-my.mail.protection.outlook.com.
apu.edu.my.	3600	IN	MX	10 smtp01.apu.edu.my.
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 53328
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
apu.edu.my.	59592	IN	NS	ns-1768.awsdns-29.co.uk.
apu.edu.my.	59592	IN	NS	ns-294.awsdns-36.com.
apu.edu.my.	59592	IN	NS	ns-819.awsdns-38.net.
apu.edu.my.	59592	IN	NS	ns-1242.awsdns-27.org.
```

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 4183
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 10, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
apu.edu.my.	60	IN	TXT	"apple-domain-verification=UIOvxfBax1KRmwKu"
apu.edu.my.	60	IN	TXT	"atlassian-domain-verification=JT6PN8jzAbqRhokNIVzGAYVXh46Vs5KUTNOV99yyUlhi2KBmAzG7a2XHXFkN4zMG"
apu.edu.my.	60	IN	TXT	"atlassian-sending-domain-verification=afc8a821-d620-42b0-b3d5-b70f47ed4ec5"
apu.edu.my.	60	IN	TXT	"brevo-code:b91e860777b7e11e1b7e6b92da9ad852"
apu.edu.my.	60	IN	TXT	"google-site-verification=qruOUtnDJAhV6_sVgrlJ9hhxZ9HqZ2nSJv4tpYtKmU8"
apu.edu.my.	60	IN	TXT	"google-site-verification=vyng7y7O1aqPyim-ftieTq5XK46ctMmT3Fd_ksb4jxE"
apu.edu.my.	60	IN	TXT	"include:_spf.atlassian.net"
apu.edu.my.	60	IN	TXT	"v=spf1 include:enginemailer.org include:spf.mailjet.com include:spf.protection.outlook.com include:_spf.atlassian.net ~all"
apu.edu.my.	60	IN	TXT	"MS=ms82326364"
apu.edu.my.	60	IN	TXT	"MS=ms87429007"
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 33390
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
```

```
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
apu.edu.my.□□900□IN□SOA□ns-294.awsdns-36.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
```

RRSIG

```
ns-294.awsdns-36.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
SOA 13 3 900 20260808114712 20260808093212 5934 apu.edu.my. UbopKlyb3+3vUNVLH6cMM/GcVRiUG+zd6nFL6Kca3DyW/IdLwvfpX5xC 1JBu0q0KCqn3foXd6cSFirBC7JaASg==
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 19295
;; flags: qr rd ra ad; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
apu.edu.my.□□3583□IN□DNSKEY□256 3 13 FF+z2h3ou93pEDLo1+JBv2RwIO/Lq+/TMyiels66KiL2wF7XUhKLzuVy pRkV5/617wWSA3POwdsc7/OsA8yqlA==
apu.edu.my.□□3583□IN□DNSKEY□257 3 13 2o+j0AMreR/L7gn3xyRQkgXIdsjcKlJ7wudSqegKJfDqQaD+Jm/vg/9F BYONXhUN2icRyyIDuqoTQn5jFgB8Ag==
apu.edu.my.□□3583□IN□DNSKEY□256 3 13 EEzs7+dVlk+6d5cd8yqntboOqZzqNByCGTp/KLb1nTMEcYGj2AyHmbqq ve1NBYdQvqotPPNl5V66Hn9Y5IU/iQ==
```

DNSSEC_VALIDATION

```
; fully validated
apu.edu.my.□□883□IN□SOA□ns-294.awsdns-36.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
apu.edu.my.□□883□IN□RRSIG□SOA 13 3 900 20260808114712 20260808093212 5934 apu.edu.my. UbopKlyb3+3vUNVLH6cMM/GcVRiUG+zd6nFL6Kca3DyW/IdLwvfpX5xC
1JBu0q0KCqn3foXd6cSFirBC7JaASg==
```

TLS Handshake Evidence

IPV4 Connection

IP Used	13.250.86.84
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 M04
verify return:1
depth=0 CN = www.apu.edu.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = www.apu.edu.my
   i:C = US, O = Amazon, CN = Amazon RSA 2048 M04
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: May 17 00:00:00 2026 GMT; NotAfter: Nov 30 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGOTCCBSGgAwIBAgIQB5mzxq8CtH2zDQBYkouh+zANBgkqhkiG9w0BAQsFADA8
MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGQW1hem9uMRwwGgYDVQQDExNBbWF6b24g
UlNBIDIwNDggTTA0MB4XDTI2MDUxNzAwMDAwMFoXDTI2MTEzMDIzNTk1OVowGTEX
MBUGA1UEAxMOd3d3LmFwdS5lZHUubXkwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAw
ggEKAoIBAQClbxifJaUS5PgqiDjuZaSHLzR/djqoDsq3pNsJ1yxCkuFM2Yu0UmHB
4LDZIedEeGZJNgq2xfrOdaa5+rQkDRO0dG5FLzrMMumk11cKw+zhb+gzbBxCcuqD
WRR7CO6WgO/DwctGzINHGntOr1DpCL+1wGWd+5FcNBSQqH1ZhVJdBA4UyElY6TW8
Q86sGF61b4p5hYokFFbPS88gBpCrEWcxLGCQyYjL5CeRHjgFnQHarV1ubBsG3LL0
GQwt2LPJ3OLLso9G17D6y+Z+QYFNl+967D2pSjvonh2eGlDYIinc5z7fp0LBZ0uo
lPKPntyQgPz/OCafRPdAFrDkHjCQ0uOZAgMBAAGjggNYMIIDVDAfBgNVHSMEGDAW
gBQfUpJhVoJUf4Fm2B09CqoyXIfdCDAdBgNVHQ4EFgQUOrcJ466vInIrtmnyWXDf
pmgN+NowgZQGA1UdEQSBjDCBiYIOd3d3LmFwdS5lZHUubXmCEioubG1zLmFwaWl0
LmVkdS5teYIKYXB1LmVkdS5teYIOKi5hcGlpdC5lZHUubXmCFCouc2l0ZXMuYXBp
aXQuZWR1Lm15ggwqLmFwdS5lZHUubXmCDGFwaWl0LmVkdS5teYIVKi53ZWJzcGFj
ZS5hcHUuZWRlLm15MBMGA1UdIAQMMAowCAYGZ4EMAQIBMA4GA1UdDwEB/wQEAwIF
oDATBgNVHSUEDDAKBggrBgEFBQcDATA7BgNVHR8ENDAyMDCgLqAshipodHRwOi8v
Y3JsLnIybTA0LmFtYXpvbnRydXN0LmNvbS9yMm0wNC5jcmwwdQYIKwYBBQUHAQEE
aTBnMC0GCCsGAQUFBzABhiFodHRwOi8vb2NzcC5yMm0wNC5hbWF6b250cnVzdC5j
b20wNgYIKwYBBQUHMAKGKmh0dHA6Ly9jcnQucjJtMDQuYW1hem9udHJ1c3QuY29t
L3IybTA0LmNlcjAMBgNVHRMBAf8EAjAAMIIBfQYKKwYBBAHWeQIEAgSCAW0EggFp
AWcAdQDCMX5XRRmjRe5/ON6ykEHrx8IhWiK/f9W1rXaa2Q5SzQAAAZ4zT9w2AAAE
AwBGMEQCIDd6flk6+ritguO0fszxPBJ3u9n1vwJbyFXdEAGc4Dn4AiAhLfi6crau
my3it423mXh4J35YT58fZp3iPFFff1IslwB1ANgJVTuUT3r/yBYZb5RPhauw+Pxe
h1UmDxXRLnK7RUsUAAABnjNP3FAAAAQDAEYwRAIgY95lMhKEGOXrOhYAF6i6/MqZ
qvq7O7U2Fr2s1zC9B3wCIGbbF8bCyJpgJKmyscxLlXmDyNSuggAXXPXCKLjMtB3I
AHcAlE5Dh/rswe+B8xkkJqgYZQHH0184AgE/cmd9VTcuGdgAAAGeM0/cPAAABAMA
SDBGAiEAxJ0TZ6GET8B8eArherMPqGdDLIMNcV7PZBnJuIIwPTMCIQCNL0UaHTMp
efI+RqBLmu5nc97+N3PbyxH4SLuobR+54zANBgkqhkiG9w0BAQsFAAOCAQEAhXfe
86rWXZZXLWX6uossE+AHwpQb3Fdd7GM4yfKjY9Pu+9F+7aLTyzjtAp2XIe+mQGwU
H4y21bt6sdCFB3p3b9KU36IWOEX7TC3ZXznRkbx4TAUz3M06mqQnKg7HDfeXyE62
xzxo+GTqTCdQ3J385TllrJtU8dEb3CzrRbB19uTJ2QbVa+NlCh9gpyt4Ip04boXw
dTGpmOWqbU5fMtpGEYDvZbx8PzUx6Q27FTTvHqe9Fkwfhu06bBQue42fn7sYTGKD
GqDHXGc9iuif8KUZ9MUH/ChNjIRb6iXwZYBkX0b8xxvg2Mxutu6b/R0yVyDrGK3X
NT/8Mck/N4I3NZAQcw==
-----END CERTIFICATE-----
 1 s:C = US, O = Amazon, CN = Amazon RSA 2048 M04
   i:C = US, O = Amazon, CN = Amazon Root CA 1
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Aug 23 22:26:35 2022 GMT; NotAfter: Aug 23 22:26:35 2030 GMT
-----BEGIN CERTIFICATE-----
MIIEXjCCA0agAwIBAgITB3MSTyqVLj7Rili9uF0bwM5fJzANBgkqhkiG9w0BAQsF
ADA5MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGQW1hem9uMRkwFwYDVQQDExBBbWF6
b24gUm9vdCBDQSAxMB4XDTIyMDgyMzIyMjYzNVoXDTMwMDgyMzIyMjYzNVowPDEL
MAkGA1UEBhMCVVMxDzANBgNVBAoTBkFtYXpvbjEcMBoGA1UEAxMTQW1hem9uIFJT
QSAyMDQ4IE0wNDCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAM3pVR6A
lQOp4xe776FdePXyejgA38mYx1ou9/jrpV6Sfn+/oqBKgwhY6ePsQHHQayWBJdBn
v4Wz363qRI4XUh9swBFJ11TnZ3LqOMvHmWq2+loA0QPtOfXdJ2fHBLrBrngtJ/GB
0p5olAVYrSZgvQGP16Rf8ddtNyxEEhYm3HuhmNi+vSeAq1tLYJPAvRCXonTpWdSD
xY6hvdmxlqTYi82AtBXSfpGQ58HHM0hw0C6aQakghrwWi5fGslLOqzpimNMIsT7c
qa0GJx6JfKqJqmQQNplO2h8n9ZsFJgBowof01ppdoLAWg6caMOM0om/VILKaa30F
9W/r8Qjah7ltGVkCAwEAAaOCAVowggFWMBIGA1UdEwEB/wQIMAYBAf8CAQAwDgYD
VR0PAQH/BAQDAgGGMB0GA1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAdBgNV
HQ4EFgQUH1KSYVaCVH+BZtgdPQqqMlyH3QgwHwYDVR0jBBgwFoAUhBjMhTTsvAyU
lC4IWZzHshBOCggwewYIKwYBBQUHAQEEbzBtMC8GCCsGAQUFBzABhiNodHRwOi8v
b2NzcC5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTA6BggrBgEFBQcwAoYuaHR0cDov
L2NydC5yb290Y2ExLmFtYXpvbnRydXN0LmNvbS9yb290Y2ExLmNlcjA/BgNVHR8E
ODA2MDSgMqAwhi5odHRwOi8vY3JsLnJvb3RjYTEuYW1hem9udHJ1c3QuY29tL3Jv
b3RjYTEuY3JsMBMGA1UdIAQMMAowCAYGZ4EMAQIBMA0GCSqGSIb3DQEBCwUAA4IB
AQA+1O5UsAaNuW3lHzJtpNGwBnZd9QEYFtxpiAnIaV4qApnGS9OCw5ZPwie7YSlD
```

```
ZF5yyFPsFhUC2Q9uJHY/CRV1b5hIiGH0+6+w5PgKiY1MWuWT8VAaJjFxvuhM7a/e
fN2TIw1Wd6WCl6YRisunjQOrSP+unqC8A540JNyZ1JOE3jVqat3OZBGgMvihdj2w
Y23EpwesrKiQzkHzmvSH67PVW4ycbPy08HVZnBxZ5NrlGG9bwXR3fNTaz+c+Ej6c
5AnwI3qkOFgSkg3Y75cdFz6pO/olK+e3AqygAcv0WjzmkDPuBjssuZjCHMC56oH3
GJkV29Di2j5prHJbwZjG1inU
-----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
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	13.250.86.84
Connect Time	8.19 ms
TTFB	39.66 ms
Total Time	39.71 ms

Response Headers:


```
[
    "HTTP/1.1 200 OK",
    "Date: Sat, 08 Aug 2026 10:32:31 GMT",
    "Content-Type: text/html; charset=UTF-8",
    "Content-Length: 435916",
    "Connection: keep-alive",
    "Server: Apache/2.4.62 (Debian)",
    "X-Powered-By: PHP/8.3.11",
    "Cache-Control: max-age=60, public",
    "X-Drupal-Dynamic-Cache: MISS",
    "Content-language: en",
    "X-Content-Type-Options: nosniff",
    "X-Frame-Options: SAMEORIGIN",
    "Expires: Sun, 19 Nov 1978 05:00:00 GMT",
    "Last-Modified: Sat, 08 Aug 2026 09:33:23 GMT",
    "ETag: \"1786181603\"",
    "Vary: Cookie,Accept-Encoding",
    "X-Generator: Drupal 10 (https://www.drupal.org)",
    "X-Drupal-Cache: HIT"
]
```


IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	13.250.86.84
Connect Time	7.44 ms
TTFB	54.11 ms
Total Time	54.15 ms

Response Headers:


```
[
    "HTTP/2 200",
    "date: Sat, 08 Aug 2026 10:32:31 GMT",
    "content-type: text/html; charset=UTF-8",
    "content-length: 435918",
    "server: Apache/2.4.62 (Debian)",
    "x-powered-by: PHP/8.3.11",
    "cache-control: max-age=60, public",
    "x-drupal-dynamic-cache: MISS",
    "content-language: en",
    "x-content-type-options: nosniff",
    "x-frame-options: SAMEORIGIN",
    "expires: Sun, 19 Nov 1978 05:00:00 GMT",
    "last-modified: Sat, 08 Aug 2026 09:33:03 GMT",
    "etag: \"1786181583\"",
    "vary: Cookie,Accept-Encoding",
    "x-generator: Drupal 10 (https://www.drupal.org)",
    "x-drupal-cache: HIT"
]
```


Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	200 0.006936 0.041544
TCP Connect IPv4 → port 443	200 0.007348 0.054276

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
```