

IPv6 Readiness Report

apu.edu.my — apu.edu.my



Scan to verify

Category: Education • Generated: 16 Sep 2026, 22:00 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 C1237F91BA7E276E7362EBB0470BA0F5F591830
```

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=UI0vxfBax1KRmwKu"
apu.edu.my. 60 IN TXT "atlassian-domain-verification=JT6PN8jzAbqRhokNIVzGAYVXh46Vs5KUTNOV99yyUlhs2KBmAzG7a2XHXFkN4zMg"
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=qru0UtnDJAhV6_sVgrLJ9hhxZ9HqZ2nS3v4tpYtKmU8"
apu.edu.my. 60 IN TXT "google-site-verification=vyng7y70IaqPyim-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 pRkV5/617wWSA3P0wdsc7/0sA8yqlA==
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+6d5cd8yqntbo0qZzqNBpCGTp/KLb1nTMEcYgJ2AyHmbqq ve1NBYdQvqotPPN15V66Hn9Y5IU/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:PKKEY: 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+zANBqkqhkiG9w0BAQsFADA8
M0swCQYDVQGEwJVUzEPMA0GA1UEChMGQW1hem9uMRwwGgYDVQQDExNBbWwFb24g
U1NBIDlwNDggTTA0MB4XDTI2MDUxNzAwMDAwMfOXDTI2MTEzMDIzNTk1OVowGTEX
MBUGA1UEAxM0d3d3LmFwdS5lZHUubXkwggEiMA0GCsGSIb3DQEBAQUAAIIBDwAw
ggEKAAIBAQClbxiFjJaUS5PgqiDjuZaSHLzR/djqoDsQ3pNsJlyxCkuFM2Yu0UmHB
4LDZiedEeGZJNgq2xfR0daa5+rQkDR00dG5FLzrMMumk1lCkw+zhb+gzbBxCcuQD
WRR7C06Wg0/DwctGzINHGnt0r1DpCL+1wGwD+5FcNBSQqH1ZhVJdBA4UyELY6TW8
Q86sGF6l64p5hYokFFbPS88gBpCrEwcxLGCQyYjL5CeRHjgFnQHarV1ubBsG3LL0
G0wt2LPJ30LLsoG1706y+Z+QYFNl+967D2pSjvonh2eGLDYinc5z7fp0LBZ0uo
LPKPntyQgPz/OCafRPdAFrDkHjCQ0u0ZAgMBAAGjggNYMIIIDVDAfBgNVHSMEGDAW
gBQUpJhVoJuf4Fm2B09CqoyXIfdCDAdBgNVHQ4IEFgU0RcJ466vInIrtmnyWXDf
pmgN+NowgZQGA1UdEQSBjDCBiYI0d3d3LmFwdS5lZHUubXmCEiouBG1zLmFwaWl0
LmVkdS5teYIKYXB1LmVkdS5teYIOKiShcGlPdC5lZHUubXmCFCouc2l0ZXMuYXBp
aXQwZWRLm15ggwQlMfwdS5lZHUubXmCDGFwaWl0LmVkdS5teYIVKi53ZWJzCGFj
ZS5hcHJlZHUubXm15MBMGAlUdIAQMMAowCAYGZ4EMAQIBMA4GA1UdDwEB/wQEAwIF
oDAtBgNVHSUEDDAKBgggRgEFBQCDA7BgNVHR8ENDAyMDCGQlQAshipodHRwOi8v
Y3J3LnIyYbTA0LmFtYXpvcnRydXN0LmNvbS9yMm0wNC5jcmwmdQYIKwYBBQUHAQEE
aTBnMC0GCCsGAQUFBzABhIFodHRwOi8vb2Nzc5Ym0wNC5hbWwFb250cnVzdC5j
b20wNgYIKwYBBQUHMAKGMh0dHA6Ly9jcnQucjJtMDQwYUw1hem9udHJ1c3QyY29t
L3IyYbTA0LmNlcjAMBgNVHRMBAf8EABjAAMIIBfQYKkwYBBAHweQIEAgSCAw0EggFp
AWcAdQDCMX5XRRmjRe5/ON6yKEHrx8IhWiK/f9W1rXaa2Q5SZAQAAZ4zT9w2AAAE
AWBGMQCIDd6flk6+r1tgu00fszxPBj3u9n1vwJbyFXdEAGc4Dn4AiAhLf16crau
my3it423mXh4J35Y258fZp3iPFFf1IsLwB1ANG3VTUUT3r/yBYZb5RPhauw+Pxe
lUmDxXRLnK7RUsUAAABnjNP3FAAAQDAEYwRAIgy95lMhKEG0Xr0hYAF616/MqZ
qvq707U2Fr2s1zC9B3wCIGbbF8bCyJpgJKmyscxLLXmDyNSuggAXXPXCKLjMtB3I
AHCALe5Dh/rswe+B8xkkJqgYZQHh0184AgE/cmd9VTcGgdGAAAGeM0/cPAAABAMA
SDBGAiEAxJ0TZ6GET8B8eArherMPqGdDlIMNcV7PZBnJuIiwPTMCIQCNL0UahTmP
efI+RqBLmu5nc97+N3PbyxH4SLuobR+54zANBqkqhkiG9w0BAQsFAA0CAQEhXfe
86rWXXZXLWXuossE+AhwpQb3Fdd7GM4yfkYjY9Pu+9F+7aLTyzjTAp2XIe+mQGwU
H4y21bt6sdCFB3p3b9KU36IWOEX7TC3ZXznRkb4TAUz3M06mqKnKg7HDfeXyE62
zxox+GtqTcdQ3J385TLlrJtU8dEb3CzrRbB19uTJ2QbVa+NlCh9gpyt4Ip04boXw
dTGpm0WqbU5fMtPgEYDvZbx8PzUx6Q27FTTvhqe9Fkwfhu06bBQue42fn7sYTGKD
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:PKKEY: 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-----
MIIEXjCCA0agAwIBAgITB3MSTyqVLj7Rili9uF0bwM5fJzANBqkqhkiG9w0BAQsF
ADA5MQswCQYDVQGEwJVUzEPMA0GA1UEChMGQW1hem9uMRkwFwYDVQQDExBbWwFb24g
Um9vdCB0QSAxMB4XDTIyMDgyMzIyMjYzNVoxDTMwMDgyMzIyMjYzNVowPDEl
MAkGA1UEBhMCVVMxODzANBgNVBAoTBkFtYXpvcjEcbBoGA1UEAxMTQW1hem9uIFJT
QSAyMDQ4IE0wNDCCASiW0YJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAM3pVR6A
lQ0p4xe776FdePXyejgA38mYx1ou9/jrpV6Sfn+/oqBkgwhY6ePsQHHQayWBJd8n
v4Wz363qRI4Xuh9swBFJ11TnZ3LQ0mVhmWq2+LoA0QP0t0fXJ2fHBLrBrngtJ/GB
0p5oLAVYrSZgvQGP16Rf8ddtNyxEEhYm3HuhmNi+vSeAq1tLYJPavRCXonTpwSDS
xy6hvdmxlqTYi82AtBX5fpGQ58HHM0h0C6aQakghrWw5fGsLlOqzpiMmIisT7c
qa0GJx6JfKqJqmQQNpL02h8n9ZsFJgBowof01ppd0LAWg6caMOM0om/VILKaa30F
9W/r8Qjah7ltGVkCAwEAACAwCAVowggFWMBIGA1UdEwEB/wQIMAYBAf8CAQAwGDYD
VR0PAQH/BAQDAgGMB0GA1UdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAdBgNV
HQ4EFqQUH1KSYVaCVH+BZtgdpQ0qMlyH3QgWwYDVR0jBBgwFoAUhBjMhTtsvAyU
lC4IWZzHshB0CggwewYIKwYBBQUHAQEebZtMC8GCCsGAQUFBzABhINodHRwOi8v
b2Nzc5yb290Y2ExLmFtYXpvcnRydXN0LmNvbTA6BgggRgEFBQcwoAoYuaHR0cDov
L2Nydc5yb290Y2ExLmFtYXpvcnRydXN0LmNvbS9yb290Y2ExLmNlcjA/BgNVHR8E
ODA2MDSgMqAwHi5odHRwOi8vY3J3LnJvb3RjYTEuYW1hem9udHJ1c3QyY29tL3Jv
b3RjYTEuY3J3MBMGAlUdIAQMMAowCAYGZ4EMAQIBMA0GCsGSIb3DQEBCwUAAIIB
AQAA+105UsAaNUw3LHzjtpNgwBnzD9QEYFtxp1AnIaV4qApnGS90Cw5ZPwie7YSLD
```

```

Zf5YpPfsFhUC209uJHy/CRV1b5hIiGH0+ws5PgkiY1MuW8VA8vAjJfXvuhM7a/e
fN2T1w1d6WcL6YRiSunjQ0rSP+unqC8A540JnYJ3T0E3jVqat30ZBGgMvihdj2w
Y23EpwesrKiQzkH2mwSH67PwW4ycbP08HVZnBz5NrlGG9bwXR3fNTaz+c+Ej6c
5AnwI3qk0FgSkG3Y75cdFz6p0/oLK+e3AqygAcv0WjzmkDPuBjssuZjCHMC56oH3
GJkV29Di2j5prHJbwZjG1nU
-----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
ADCBDELMAkGA1UEBhMCVVMwEDABBgNVBARTB0FyaXpwbmExExARBgNVBACtLnJn
b3R0c2RhbgGUAJXjBgnVBAAoThFN0YXJmaWVsZCBZU2NoNm9sbzdpZXMxIEluYy4x
OzA5BgNVBAMTMlN0YXJmaWVsZCBZBTZJ2jAwNlcyB5b290IENlcnRmZmljYXRXIEF1
dGhvcml0eSAtIEcyMB4XDTE1MDUyNTYyMDAwMFAwXDTM3MTIzMTAxMDAwMFowOTEL
MAkGA1UEBhMCVVMwEDABBgNVBARTBkftYXpwbjEZMBcGA1UEAxMQQW1hem9uIFJv
b30g00EgMTCASiW0YjKoZiHvcNAQEBAQADggEPADCCAQoCggEBALJ4gHHKeNXj
ca9HgF80W7Y14h29Jl091ghYPl0hAEvrAiTh0gQ3p0sqTQNr0Bvo3bSMgHFZM
906I18c+6zf1tRn45Wiw3te5djgdY26k/oI2peVKVURf4fn9tBb6dNqcmzU5L/qw
IFAGbHrQgLKm+a/sRxmPUdGh3KKH0Vj4utWp+UhnMJbulHheb4mjUcAwhmahRwa6
V0uujw5HS5Nz/0egwLX0tdHA114kg957EwW67c4X8jJGKLhd+rcdqsq08p8kDiIL
93fCXmn/6pUCyziKrLA4b9v7LWIbxcveVF346fID5yHI9Y/QCB/IIDEgEw+0yQm
jgSubJrIqq0CAwEAAsOATEwggEtmA8GA1UdEwEB/wQFMAMBA8wDgYDVR0PAQH/
BAQDAAGGMB0GA1UdSgQWBBSEgMYFN0y8DJULghZnMeyEE4KCDafBgNVHSMGEGAww
BAGCwXwDfggHMCs4iKK4bUqc8MhGrGzB4BggrRbEgFBGQcBAQRsMGowLYiKwYBBQUH
MBSG1mh0dHA6L9vY3NwLnJvb3RnMi5hbW6b250cnVzdC5jb2w0OAYIKwYBBQUH

```

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
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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