

IPv6 Readiness Report

apu.edu.my — apu.edu.my



Scan to verify

Category: Education • Generated: 04 Jul 2026, 22:12 MYT • Last Checked: 04 Jul 2026, 03:51 MYT • Verification ID: 391b778c-f83b-4d27-a1b8-170cffe701d9

Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>

Audit trail: <https://ipv6.my6.my/audit/391b778c-f83b-4d27-a1b8-170cffe701d9>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>52%</p> <p>No IPv6 Support</p>	<p>IPv6-ONLY READINESS</p> <p>Website: X Not Ready</p> <p>DNS: ✓ Ready</p> <p>Email: X Not Ready</p>
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IPv4 ADDRESSES
18.140.221.176
47.130.216.243
54.254.24.211

Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Amazon Technologies Inc.
Country	US
ASN	AS16509
ASN Name	AMAZON-02 - Amazon.com, Inc., US
Network (CIDR)	18.32.0.0/11

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 / 6

#	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	18.140.221.176, 47.130.216.243, 54.254.24.211
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 49ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 47ms TTFB.

Audit Trail & Evidence Record

Verification ID	391b778c-f83b-4d27-a1b8-170cffe701d9
Domain	apu.edu.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:51:34 MYT
Finished	04 Jul 2026, 03:51:58 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/391b778c-f83b-4d27-a1b8-170cffe701d9

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	0cabd33da0baa36caaf0f1b5b7c36c846c7de20252692f7c08133670f3fbf685
http_headers	c04b546dcc09f5aa0082a73912adebb629691e5fb145419dfa8b1aaaa834e1e1
dns_responses	91a4f058ed4a74248a2219c8b13be203b3358308e5ecda4a7041087da78a34a5
tls_handshake	b81949de015047e65096a24ed8e2d53c5d9530e88a473b340edd6b253cc35456
connectivity_log	3ea668ddebb712904dedace9e3c12669bc62bb0f987e5af43ce5c0ba6d6512df
dns_resolution_times	e5ae9153e48d32bce6c261b7b56996250451e87fba7d44a4e10ca46b3b8ae2fa

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	19.07	19.91	10.03	19.96	-9
Google	IPv4	31.76	33.99	18.91	30.99	-12.9
Google	IPv6	43.4	47.61	27.98	29	-15.4
Cloudflare	IPv4	20.98	21.06	9.12	10.54	-11.9
Cloudflare	IPv6	20.18	32.66	73.13	74.6	+53

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 39768
;; 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. 00600IN[A]47.130.216.243
apu.edu.my. 00600IN[A]18.140.221.176
apu.edu.my. 00600IN[A]54.254.24.211
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 11719
;; 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. 00863780IN[DS]61385 13 1 C1237F91BA7E276E7362EBB0470BA0F5F591830
apu.edu.my. 00863780IN[DS]61385 13 2 705A390725C27E7DF5DD86B2B0B8D13D414A90790917328FA07AEED 9CBC7C01
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 58634
;; 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. 0036000IN[MX]10 smtp01.apu.edu.my.
apu.edu.my. 0036000IN[MX]0 apu-edu-my.mail.protection.outlook.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 44671
;; 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. 00864000IN[NS]ns-1242.awsdns-27.org.
apu.edu.my. 00864000IN[NS]ns-1768.awsdns-29.co.uk.
apu.edu.my. 00864000IN[NS]ns-294.awsdns-36.com.
apu.edu.my. 00864000IN[NS]ns-819.awsdns-38.net.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14245
;; 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. 00600IN[TXT]"apple-domain-verification=UI0vxfBax1KRmwKu"
apu.edu.my. 00600IN[TXT]"atlassian-domain-verification=JT6PN8jzAbqRhokNIVzGAYVXh46Vs5KUTNOV99yyUlh2KBmAzG7a2XHXFkN4zMG"
apu.edu.my. 00600IN[TXT]"atlassian-sending-domain-verification=afc8a821-d620-42b0-b3d5-b70f47ed4ec5"
apu.edu.my. 00600IN[TXT]"brevo-code:b91e860777b7e11e1b7e6b92da9ad852"
apu.edu.my. 00600IN[TXT]"google-site-verification=qru0UtnDJAhV6_sVgrLJ9hxxZ9HqZ2nS3v4tpYtKmU8"
apu.edu.my. 00600IN[TXT]"google-site-verification=vyng7y701aqPyim-ftieTq5XK46ctMmt3Fd_ksb4jxE"
apu.edu.my. 00600IN[TXT]"include:_spf.atlassian.net"
apu.edu.my. 00600IN[TXT]"v=spf1 include:enginemailer.org include:spf.mailjet.com include:spf.protection.outlook.com include:_spf.atlassian.net ~all"
apu.edu.my. 00600IN[TXT]"MS=ms82326364"
apu.edu.my. 00600IN[TXT]"MS=ms87429007"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 47190
;; 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 20260703210635 20260703185135 43056 apu.edu.my. P0sbzCT6pzZ2AcbkdM/feYzMxGCR4De3y2WaU3TkL25tLftIW5RV7oCA Eim6SKo9IyWtUjLICv0hkTemuheX2A==
```

DNSKEY

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 64097
;; 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. 3578 IN DNSKEY 257 3 13 2o+j0AMreR/L7gn3xyR0kgXI dsjckLJ7wudS qegKJfDqQad+Jm/vg/9F BYONXhUN2icRyyIDuqoTQn5jFgB8Ag==
apu.edu.my. 3578 IN DNSKEY 256 3 13 WEq7SWRQ7NdvjpY8eA7ZcJUTyYFYfJUjxArb/vDSQM8gPHYUppTJgLyinAgEvJhDkdLu3MaMeCquoqcYEa2V7A==
apu.edu.my. 3578 IN DNSKEY 256 3 13 uT20o6gZdxJuZTp14dmOnRTdI3v+zoAqV3hLCmX1+ej5yortah7+tl3 bDKASpY0kHQMS+B370k1xy/ojUkPUg==
```

DNSSEC_VALIDATION

```
; fully validated
apu.edu.my. 878 IN SOA ns-294.awsdns-36.com. awsdns-hostmaster.amazon.com. 1 7200 900 1209600 86400
apu.edu.my. 878 IN RRSIG SOA 13 3 900 20260703210635 20260703185135 43056 apu.edu.my. P0sbzCT6pzZ2AcbkdM/feYzMxGCR4De3y2WaU3TkL25tLftIW5RV7oCA Eim6SKo9IyWtUjLICv0hkTemuheX2A==
```


TLS Handshake Evidence

IPV4 Connection

IP Used	18.140.221.176
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-----
MIIG0TCCBSGgAwIBAgIQB5mzxq8CtH2zDQBYkouh+zANBgkqhkiG9w0BAQsFADA8
MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGMGQW1hem9uMRwwGgYDVQQDEwNBbWV6b24g
UUNBIDUwNDggTAA0MB4XDTI2MDUxNzAwMDAwMmFoXDTI2MTEzMDIzNTk1OVowGTEEX
MBUjAUEAaXMD3d3LmFwdS5LZHUubXkxwggEiMA0GCsGQSIb3DQEBAQUAA4IBDwAw
ggEKAAIBAQClbxi fJJaUS5PggqI dJuZaSHLzR/dj qoDs q3pNsJlyx CkuFM2Yu0UmHB
4LDZiedEeGZJNgq2xf r0daa5+rQkDR00dG5FLz rMMumk1LcKw+zhb+gzbBxCcuqD
WRR7C06Wg0/DwctGzINHgt0r1DpCL+1wGwD+5FCnBSQqH1ZHVjdBA4UyELY6TW8
Q86sGF61b4p5hYokFFbPS88gBpCrEwCXLGCQyYjL5CeRHjgFnQHarV1ubBsG3LL0
G0wt2LPJ30LLso9G17D06y+Z+QYFNl+967D2pSjvonh2eGLDYinc5z7fp0LBZ0u0
LPKPntyQgPz/OCaFRPdAFrDkHjCQ0u0ZAgMBAAGjggNYMIIDVDAfBgNVHSMEGDAW
gBQfUpJhVoJUf4Fm2B09CqoyXIFdCDAdBgNVHQ4EFgQU0rcJ466vInIrtmnyWXdF
pmgN+NowgZQA1UdEQSBJDCBiYI0d3d3LmFwdS5LZHUubXmCEioubG1zLmFwalW0
LmVkdS5teYIKYXB1LmVkdS5teYIOkI5hcGlpdC5LZHUubXmCFcouc2L0ZXMuYXBP
aXQuZWR1Lm15ggwqLmFwdS5LZHUubXmCDGfwalW0LmVkdS5teYIVki53ZjZjCGfJ
Z5shcUuZWR1Lm15MBMGA1UAIAQMMaowCAYGZ4EMAQIBMA4GA1UdDwEB/wQEAwIF
oDATBgNVHUEDDAKBgggRgEFBQC DATA7BgNVHR8ENDAyMDCGlgAshipodHRwOiBv
Y3J3LnIy bTA0LmFtYXpvbnRydXN0LmNvbS9yMm0wNC5jcmwmdQYIKwYBBQUHAQE
aTBMCOGCSsGAQUFBzABhiFodHRwOi8vb2Nzc5YmM0wNC5hbWV6b250cnVzdC5j
b20wNgYIKwYBBQUHMAKGMh0dHA6Ly9jcnQucjJtMDQyYWIhem9udHJ1c3QyY29t
L3Iy bTA0LmNl cjAMBgNVHRMBAf8EAjAAMIIBfYQKwYBBABwEIEAg5CAW0EggFp
AwAdQDCMX5XRRmjRe5/ON6ykEHrx8IhWiK/f9W1rXaa2Q5SZAQAAZ4zT9w2AAAE
AwBGMQCIDd6flk6+r1tgu00fszPB3u9n1vwJbyFXdEAGc4Dn4AiAhLfi6crau
my3it423mXh4J35Y258fZp3iPFFf1IsLwBIANG3VTUUT3r/yBYZb5RPhauw+Pxe
1UmDxRRLnK7RUSUAABNjNP3FAAAAQDAEYwRAIgy95LmHkEGOXr0hYAF6i6/MqZ
qqv707U2Fr2s1zC9B3wCIGbBF8bCjJpgJKmyscxLXmDyNSuggAXPXCKLjMtB3I
AHCALe5Dh/rswE+B8xkKjgqYZQH0H184AgE/cmd9VTcGgdGAAAGeM0/cPAAABAMA
SDBGAiEAXJ0T26GET8B8eArherMPqGdLIMNcV7PZBnJuIwPTMCIQCnL0UahtMp
efI+RqBLmu5nc97+N3PbyxH4SLuobr+54zANBgkqhkiG9w0BAQsFAAQAQEAHxFe
86rWXXZLWX6uossE+AHwpQb3Fdd7GM4yfkjY9Pu+9F+7aLTyzjTAp2XIE+mQGUW
H4y21bt6sdCFB3p3b9KU36IWOE77C3ZXznRkx4tAUz3M06mqNkg7HDfeXyE62
zxox+GTqTcdQ3J385TLlRjU8dEb3CzrRbB19uTJ2Q0Va+NlCh9gpyt4Ip04boXw
dTGpm0WqBU5fMtPgEYDvZbx8PzUx6Q27FTTvhqe9Fkwfhu06bBQue42fn7sYTGKD
GqDHXGc9iui f8KUZ9MUH/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-----
MIIEXjCCA0agAwIBAgITB3MSTyqVLj7RiLi9uF0bwM5fJzANBgkqhkiG9w0BAQsF
ADA5MQswCQYDVQQGEwJVUzEPMA0GA1UEChMGMGQW1hem9uMRkwFwYDVQQDEwBBbWV6
b24gUm9vdCBDQSaxMB4XDTIyMDgyMzIyMjYzNVowXDTMMDgyMzIyMjYzNVowPDEEL
MAKGA1UEBHMCMVVMxZDzANBgNVBAoTBkFtYXpvbjEcbMoGA1UEAxMTQW1hem9uIFJT
QSAyMDQ4IE0wNDCCASiW0YJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAM3pVR6A
lQ0p4xe776FdePXyejgA38mYx1ou9/jrpV6Sfn+/oqBKgwhY6ePsQHHQayWBJd8n
v4Wz363qRI4Xuh9swBFJ11TnZ3LQ0mVhmMq2+L0A0P0t0fXDJ2fHBLrBrrngtJ/GB
0p5oLAVYrSZgvQGP16Rf8ddtNyxEEhYm3HuhmNi+vSeAq1tLYJPAVRXCXonTpwSD
xY6hvdmxLqTYi82AtBXSfpGQ58HMH0hw0C6aQakgrhwi5fgsLL0qzpiMMIcsT7c
qa0GJx6JfKqJqmQQNpL02h8n9ZsFJgBowof01ppdotLAWg6caMOM0om/VILKaa30F
9W/r80jah7LtgVKCAwEAACAOCaVowggFWMBIGA1UdEwEB/wQIMAYBAf8CAQAwGDYD
VR0PAQH/BAQDAgGMB0GA1UdJQQWMBQGCsGAQUFBwMBBggrBgEFBQcDAjAdBgNV
HQ4EFgQUH1KSYVaCVH+BZtgdPQ0qMLyH3QgwhWYDVR0jBBgwFoAUhbjMhTtsvAyU
LC4IwZzHshB0CggwewYIKwYBBQUHAQEebzBtMC8GCSsGAQUFBzABhiNodHRwOi8v
b2Nzc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbTA6BgggrBgEFBQcwoAyuahR0cDov
L2Nydc5yb290Y2ExLmFtYXpvbnRydXN0LmNvbS9y b290Y2ExLmNl cjA/BgNVHR8E
0DA2MDSgMqAwHi5odHRwOi8vY3J3LnIy b3RjYTEuYWIhem9udHJ1c3QyY29tL3Jv
b3RjYTEuY3J3sMBMGA1UAIAQMMaowCAYGZ4EMAQIBMA0GCsGQSIb3DQEBCwUA4IB
AQA+105UsAaNUw3LHzJtpNgWbnZd9QEYFtxpIAnIaV4qApnGS90cW5ZPwie7YSLD
```

```

ZF5yFPsFhUC2Q9uJHY/CRV1b5hIiGH0+6+w5PgKiY1MwuWT8VAaJjFvxvuhM7a/e
fN2TIw1Wd6WCL6YRiSunjQ0rSP+unqC8A540JNyZ1J0E3jVqat30ZBggMvihdj2w
Y23EpwesrKiQzkHzmv5H67PVW4yCbPy08HVZnBx25NrLGG9bwXR3fNTaz+c+Ej6c
5AnwI3qk0FgSkg3Y75cdFz6p0/oLK+e3AqygAcv0WjzmkDPuBjssuZJCHMC56oH3
G3kV29Di2j5prHjBwZjG1inU
-----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:PKKEY: 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+USionzFP6wq4rAfkI7rnExjANBqkqhkiG9w0BAQsF
ADC8mDELMAKGA1UEBhMCVVMxEDA0BGNVBAgTB0FyaXpvmExEzARBgNVBAcTCLNj
b3R0c2RhbgUxJTAjBgNVBAoTTHFN0YXJmaWVsZCBUZWNobm9sb2dpZXMsIEluYy4x
OzA5BGNVBAmtLlN0YXJmaWVsZCBTZjJ2aWNLcyBSb290IENlcnRpZmljYXRRIEF1
dGhvcml0eSAtIEcyMB4XDTE1MDUyNTEyMDAwFoaXDTM3MTIzMTAxMDAwMFowTEl
MAKGA1UEBhMCVVMxZDZANBgNVBAoTBkFtYXpvcjEzMjcGA1UEAxMQW1hem9uIFJv
b3Qg00EgMTCCASiWdQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBALJ4gHKeNXj
ca9HgFB0fw7Y14h29Jlo91ghYPl0hAEvrAItht0gQ3p0sqTQNroBvo3b5MgHFZM
906I8c+6zf1tRn45Wiw3te5djjdYZ6k/oI2peVKVuRF4fn9tBb6dNqcmzU5L/qw
IFAGbHrQgLKm+a/sRxmPUDgH3KKHOVj4utWp+UhnMJbuLHheb4mjUcAwhmahRWa6
V0ujw5H5SNz/0egwLX0tdHA114gk957EwM67c4cX8jJGKLhd+rcdsq08p8kDi1L
93FcXmn/6pUCyziKrLA4b9v7LWIbxcceV0F34GfID5yHI9Y/QCB/IIDEgEw+OyQm
jgSubJrIqq0CAwEAAaOCATEwggEtMA8GA1UdEwEB/wQFMAMBAf8wDgYDVR0PAQH/
BAQDAgGGMB0GA1UdDgQWBBSEgMyFN0y8DJSULghZnMeyEE4KCDAfBgNVHSMEGDAW
gB5cXwDfqqHXMCs4iKK4bUqc8hGRgzB4BgggRgEFBQcBAQRsMGowLgYIKwYBBQUH
MAGGIh0dHA6Ly9vY3NwLnJvb3RnMi5hbWV6b250cnVzdC5jb2w0YAIKwYBBQUH

```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	18.140.221.176
Connect Time	7.2 ms
TTFB	37.66 ms
Total Time	37.72 ms

Response Headers:

```
[
  "HTTP/1.1 200 OK",
  "Date: Fri, 03 Jul 2026 19:51:58 GMT",
  "Content-Type: text/html; charset=UTF-8",
  "Content-Length: 430372",
  "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: Fri, 03 Jul 2026 17:44:31 GMT",
  "ETag: \"1783100671\"",
  "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	18.140.221.176
Connect Time	8.78 ms
TTFB	50.73 ms
Total Time	50.77 ms

Response Headers:

```
[
  "HTTP/2 200",
  "date: Fri, 03 Jul 2026 19:51:58 GMT",
  "content-type: text/html; charset=UTF-8",
  "content-length: 430374",
  "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: Fri, 03 Jul 2026 17:48:57 GMT",
  "etag: \"1783100937\"",
  "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 0.009209 0.046774
TCP Connect IPv4 → port 443	200 0.007985 0.062614

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
```