IPv6 Readiness Report

akademik.upm.edu.my — akademik.upm.edu.my

Scan to verify

Category: Education • Generated: 02 Nov 2026, 02:49 MYT • Last Checked: 08 Aug 2026, 18:15 MYT • Verification ID: 8234aac0-c058-4dc2-8261-24f717e43ad3
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/8234aac0-c058-4dc2-8261-24f717e43ad3

✗
Non-Compliant
MGv6C-1.0

15%
No IPv6 Support

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

IPV4 ADDRESSES
`119.40.116.110`

Network Information (WHOIS / RDAP)

	IPv4 Network
Organization	UNIVERSITI PUTRA MALAYSIA
Country	MY
ASN	AS38868
ASN Name	UPM-AS-AP - Universiti Putra Malaysia AS, MY
Network (CIDR)	119.40.112.0/20

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%) — 0 / 5

#	CHECK	RESULT	DETAIL
1	**NS Has AAAA Record**	FAIL	No nameserver has an AAAA record.
2	**NS Reachable via IPv6**	FAIL	No nameserver is reachable over IPv6.
3	**NS Answers Queries via IPv6**	FAIL	Nameserver does not answer queries 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**	PASS	DS record found at parent zone.
7	**RRSIG Valid**	FAIL	No valid RRSIG found.

#	CHECK	RESULT	DETAIL
8	**Signing Algorithm**	INFO	No DNSKEY record found.

Email Services (25%) — 0 / 6

#	CHECK	RESULT	DETAIL
1	**MX Record Exists**	FAIL	No MX record found in DNS.
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**	FAIL	No SPF record found.
6	**DKIM Selector**	INFO	No common DKIM selector found.
7	**DMARC Record**	FAIL	No DMARC record found.

IPv4 Baseline (15%) — 3 / 3

#	CHECK	RESULT	DETAIL
1	**A Record**	PASS	119.40.116.110
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4 — 1215ms TTFB.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4 — 885ms TTFB.

Audit Trail & Evidence Record

Verification ID	8234aac0-c058-4dc2-8261-24f717e43ad3
Domain	akademik.upm.edu.my
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:15:27 MYT
Finished	08 Aug 2026, 18:15:33 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/8234aac0-c058-4dc2-8261-24f717e43ad3

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	3f95af94974a7fd6fd1ce8e215b7c3cc0237a725cad983a9b66f1192839bdff8
http_headers	0036f51351d01fb5e10ef7d87e09e2cad0b62b9f48f694134abe3ec4643a0905
dns_responses	5c96ac326632f693bb82141a43de6cbce7568471cbee7658d270197f80b84add
tls_handshake	d6527a657df36200fdacd93f77d3d5f5d3700993a8de3a9ceeb2abb368b3f3c6
connectivity_log	54a3b95f8a3b56cd551151b01018a1e113e54b95dad3608a8e261f1f2082c4a8
dns_resolution_times	d35d5ebec5afa3aec2f192ac420db3efbde394c1fc30c9597f23b668641d6ffb

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	29.14	31.84	23.81	27.06	-5.3
Google	IPv4	48.68	161.29	32.56	248.07	-16.1
Google	IPv6	43.86	171.31	225	241.32	+181.1
Cloudflare	IPv4	20.98	22.33	25.67	27.85	+4.7
Cloudflare	IPv6	21.67	59.12	25.6	43.55	+3.9

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 25169
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
akademik.upm.edu.my.␣297␣IN␣CNAME␣spelextha.upm.edu.my.
spelextha.upm.edu.my.␣297␣IN␣A␣119.40.116.110
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 36361
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
akademik.upm.edu.my.␣297␣IN␣CNAME␣spelextha.upm.edu.my.

;; AUTHORITY SECTION:
upm.edu.my.␣␣3597␣IN␣SOA␣ns1.upm.edu.my. wanhafizi.upm.edu.my. 3581 3600 600 1209600 3600
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 29163
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
akademik.upm.edu.my.␣297␣IN␣CNAME␣spelextha.upm.edu.my.

;; AUTHORITY SECTION:
upm.edu.my.␣␣3597␣IN␣SOA␣ns1.upm.edu.my. wanhafizi.upm.edu.my. 3581 3600 600 1209600 3600
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 11155
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
akademik.upm.edu.my.␣297␣IN␣CNAME␣spelextha.upm.edu.my.

;; AUTHORITY SECTION:
upm.edu.my.␣␣3597␣IN␣SOA␣ns1.upm.edu.my. wanhafizi.upm.edu.my. 3581 3600 600 1209600 3600
```

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 29302
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
akademik.upm.edu.my.␣297␣IN␣CNAME␣spelextha.upm.edu.my.

;; AUTHORITY SECTION:
upm.edu.my.␣␣3597␣IN␣SOA␣ns1.upm.edu.my. wanhafizi.upm.edu.my. 3581 3600 600 1209600 3600
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 22361
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

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

```
;; ANSWER SECTION:
akademik.upm.edu.my.□297□IN□CNAME□spelextha.upm.edu.my.

;; AUTHORITY SECTION:
upm.edu.my.□□3597□IN□SOA□ns1.upm.edu.my. wanhafizi.upm.edu.my. 3581 3600 600 1209600 3600
```

RRSIG

```
spelextha.upm.edu.my.
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 46633
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
akademik.upm.edu.my.□297□IN□CNAME□spelextha.upm.edu.my.

;; AUTHORITY SECTION:
upm.edu.my.□□3597□IN□SOA□ns1.upm.edu.my. wanhafizi.upm.edu.my. 3581 3600 600 1209600 3600
```

DNSSEC_VALIDATION

```
;; resolution failed: ncache nxrrset
; unsigned answer
akademik.upm.edu.my.□297□IN□CNAME□spelextha.upm.edu.my.
; spelextha.upm.edu.my.□3597□IN□\-SOA□;-$NXRRSET
; upm.edu.my. SOA ns1.upm.edu.my. wanhafizi.upm.edu.my. 3581 3600 600 1209600 3600
```

TLS Handshake Evidence

IPV4 Connection

IP Used	119.40.116.110
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 DV R36
verify return:1
depth=0 CN = *.upm.edu.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:CN = *.upm.edu.my
   i:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA DV R36
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
   v:NotBefore: Jun  9 00:00:00 2026 GMT; NotAfter: Dec 24 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGhTCCBO2gAwIBAgIRAKXx+/0my/oc2e0RIMg2UwQwDQYJKoZIhvcNAQELBQAw
YDELMAkGA1UEBhMCR0IxGDAWBgNVBAoTD1NlY3RpZ28gTGltaXRlZDE3MDUGA1UE
AxMuU2VjdGlnbyBQdWJsaWMgU2VydmVyIEF1dGhlbnRpY2F0aW9uIENBIERWIFIz
NjAeFw0yNjA2MDkwMDAwMDBaFw0yNjEyMjQyMzU5NTlaMBcxFTATBgNVBAMMDCou
dXBtLmVkdS5teTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAJXThWAa
siEliRIUiAWdmP5GTjo2UTzxYjC8d5pIGNqGACA0uAUefSRHl50/lzOumHjWwG+y
gt/42TFf0Ye+1l4PXPclH6H2bcqAOaLwc6sIvc2k9d9QNJwd6SIwL3D87nAdSeit
a/N+YRl7MOVFucr7PCJlJZwlcMeTV5lignH/Sz3NAOPB6PsizfFoKvMAyaIjOrLk
EcVYwtSQ/Z9YgCYQwljHj8puqCSp1uiE7TEyjqkDe+r6FNQccYKNHYl3mOc9lQzQ
pobj/6ZDZcCLrzBRXiBxXaecBBHms+Dp3t8xbY8sU3DaotKjIL9eDL6Ix5EtiOq/
WBAikXIjoZ9g0O0CAwEAAaOCAwEwggL9MB8GA1UdIwQYMBaAFGjAEhYYDq/O9oem
MlejRlFdywcnMB0GA1UdDgQWBBTguvxyho/ykTvbkm/vBPysoOCtRTAOBgNVHQ8B
Af8EBAMCBaAwDAYDVR0TAQH/BAIwADAdBgNVHSUEFjAUBggrBgEFBQcDAQYIKwYB
BQUHAwIwSQYDVR0gBEIwQDA0BgsrBgEEAbIxAQICBzAlMCMGCCsGAQUFBwIBFhdo
dHRwczovL3NlY3RpZ28uY29tL0NQUzAIBgZngQwBAgEwgYQGCCsGAQUFBwEBBHgw
djBPBggrBgEFBQcwAoZDaHR0cDovL2NydC5zZWN0aWdvLmNvbS9TZWN0aWdvUHVi
bGljU2VydmVyQXV0aGVudGljYXRpb25DQURWUjM2LmNydDAjBggrBgEFBQcwAYYX
aHR0cDovL29jc3Auc2VjdGlnby5jb20wIwYDVR0RBBwwGoIMKi51cG0uZWR1Lm15
ggp1cG0uZWR1Lm15MIIBhQYKKwYBBAHWeQIEAgSCAXUEggFxAW8AdgDXbX0Q0af1
d8LH6V/XAL/5gskzWmXh0LMBcxfAyMVpdwAAAZ6sr3DMAAAEAwBHMEUCIFRfAH6Q
xH+l3t2NIc4H5OTCLRZdo+QnwoDyJCUioMP4AiEAsQfSWd9Ae9aZqRz4+DYr6wVv
drSC6cX0VYHyuCekEr8AdQDIo8R/x7OtuTVrAT9qehJt4zpOQ6XGRvmXrTl1mR3P
mgAAAZ6sr3BqAAAEAwBGMEQCIB80GGEPV/sCEp3OJj5kzCKxy60dymK+kxzQelb6
G84WAiBy9nW1MoqepU6D8to4OsMwihXTkzSdPCeXmZESj5tJ+QB+AI7KRwus3mrz
ogawpHqEt0b+H8a/lT4l5ptO5AJI88boAAABnqyvc8wACAAABQADgj6eBAMARzBF
AiEArsrXDSJblMUq7cIFYi7k+f6A1wXglCKNnPH09/SaOi4CIC4/iqAH1VU9dsOp
bPk2XHRUq5STqAimzvSs+rLKn60KMA0GCSqGSIb3DQEBCwUAA4IBgQAdjkzz977e
FQkCzPZKKOR2DfwEXe9BHiQvGWr/U26F0UKvoFUteLDqsPYsbJDO7pWMzYtKzqoQ
Sbf/+BnefGFk3oFD1uJV2OYX4LhiSAtd++ncztpPIhVmOVCHztF7je9084ssTFYV
au5/ETDYWvJ+ZRrVAO8HYG56M/hUnFzrbThTbPjzOA6oZn+WV+myKbpqE8GobgUF
rnOdl1VKA+TWPOE/zWeZK5OUf03O/ZWshxbzjI8FKs/uiGu8ZlqPRDkL2lXZ9aJ/
OJROxETYaZT5N73uNsgXJGsZGUkkcNMpRnNa4SyekdRpSIpFwcx/ZULc9t1d/2kb
S8QeLvdmPsrH57Kdgw3MzRh7fLf4s0ql6lkXEVez1bPWRmCZshWB51vWstr4hWDC
lls5rSQurfllYJ4ZjnB5yRaQBCYTAB5EeniGmqZIMZzjRflT9enfyp1u4WxvMEFp
PDL/Tl6dtYxrEXc0Z5x6G5uI4/E1inKMSRNWiXcwJHjZUIUX1IqaCd8=
-----END CERTIFICATE-----
 1 s:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication CA DV 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-----
MIIGTDCCBDSgAwIBAgIQOXpmzCdWNi4NqofKbqvjsTANBgkqhkiG9w0BAQwFADBf
MQswCQYDVQQGEwJHQjEYMBYGA1UEChMPU2VjdGlnbyBMaW1pdGVkMTYwNAYDVQQD
Ey1TZWN0aWdvIFB1YmxpYyBTZXJ2ZXIgQXV0aGVudGljYXRpb24gUm9vdCBSNDYw
HhcNMjEwMzIyMDAwMDAwWhcNMzYwMzIxMjM1OTU5WjBgMQswCQYDVQQGEwJHQjEY
MBYGA1UEChMPU2VjdGlnbyBMaW1pdGVkMTcwNQYDVQQDEy5TZWN0aWdvIFB1Ymxp
YyBTZXJ2ZXIgQXV0aGVudGljYXRpb24gQ0EgRFYgUjM2MIIBojANBgkqhkiG9w0B
AQEFAAOCAY8AMIIBigKCAYEAljZf2HIz7+SPUPQCQObZYcrxLTHYdf1ZtMRe7Yeq
RPSwygz16qJ9cAWtWNTcuICc++p8Dct7zNGxCpqmEtqifO7NvuB5dEVexXn9RFFH
12Hm+NtPRQgXIFjx6MSJcNWuVO3XGE57L1mHlcQYj+g4hny90aFh2SCZCDEVkAja
EMMfYPKuCjHuuF+bzHFb/9gV8P9+ekcHENF2nR1efGWSKwnfG5RawlkaQDpRtZTm
M64TIsv/r7cyFO4nSjs1jLdXYdz5q3a4L0NoabZfbdxVb+CUEHfB0bpulZQtH1Rv
38e/lIdP7OTTIlZh6OYL6NhxP8So0/sht/4J9mqIGxRFc0/pC8suja+wcIUna0HB
pXKfXTKpzgis+zmXDL06ASJf5E4A2/m+Hp6b84sfPAwQ766rI65mh50S0Di9E3Pn
2WcaJc+PILsBmYpgtmgWTR9eV9otfKRUBfzHUHcVgarub/XluEpRlTtZudU5xbFN
xx/DgMrXLUAPaI60fZ6wA+PTAgMBAAGjggGBMIIBfTAfBgNVHSMEGDAWgBRWc1hk
lfmSGrASKgRieaFAFYghSTAdBgNVHQ4EFgQUaMASFhgOr872h6YyV6NGUV3LBycw
DgYDVR0PAQH/BAQDAgGGMBIGA1UdEwEB/wQIMAYBAf8CAQAwHQYDVR0lBBYwFAYI
KwYBBQUHAwEGCCsGAQUFBwMCMBsGA1UdIAQUMBIwBgYEVR0gADAIBgZngQwBAgEw
```

```
VAYDVR0fBE0wSzBJoEegRYZDaHR0cDovL2NybC5zZWN0aWdvLmNvbS9TZWN0aWdv
UHVibGljU2VydmVyQXV0aGVudGljYXRpb25Sb290UjQ2LmNybDCBhAYIKwYBBQUH
AQEEeDB2ME8GCCsGAQUFBzAChkNodHRwOi8vY3J0LnNlY3RpZ28uY29tL1NlY3Rp
Z29QdWJsaWNTZXJ2ZXJBdXRoZW50aWNhdGlvblJvb3RSNDYucDdjMCMGCCsGAQUF
BzABhhdodHRwOi8vb2NzcC5zZWN0aWdvLmNvbTANBgkqhkiG9w0BAQwFAAOCAgEA
YtOC9Fy+TqECFw40IospI92kLGgoSZGPOSQXMBqmsGWZUQ7rux7cj1du6d9rD6C8
ze1B2eQjkrGkIL/OF1s7vSmgYVafsRoZd/IHUrkoQvX8FZwUsmPu7amgBfaY3g+d
q1x0jNGKb6I6Bzdl6LgMD9qxp+3i7GQOnd9J8LFSietY6Z4jUBzVoOoz8iAU84OF
h2HhAuiPw1ai0VnY38RTI+8kepGWVfGxfBWzwH9uIjeooIeaosVFvE8cmYUB4TSH
5dUyD0jHct2+8ceKEtIoFU/FfHq/mDaVnvcDCZXtIgitdMFQdMZaVehmObyhRdDD
4NQCs0gaI9AAgFj4L9QtkARzhQLNyRf87Kln+YU0lgCGr9HLg3rGO8q+Y4ppLsOd
unQZ6ZxPNGIfOApbPVf5hCe58EZwiWdHIMn9lPP6+F404y8NNugbQixBber+x536
WrZhFZLjEkhp7fFXf9r32rNPfb74X/U90Bdy4lzp3+X1ukh1BuMxA/EEhDoTOS3l
7ABvc7BYSQubQ2490OcdkIzUh3ZwDrakMVrbaTxUM2p24N6dB+ns2zptWCva6jzW
r8IWKIMxzxLPv5Kt3ePKcUdvkBU/smqujSczTzzSjIoR5QqQA6lN1ZRSnuHIWCvh
JEltkYnTAH41QJ6SAWO66GrrUESwN/cgZzL4JLEqz1Y=
-----END CERTIFICATE-----
 2 s:C = GB, O = Sectigo Limited, CN = Sectigo Public Server Authentication Root R46
   i:C = US, ST = New Jersey, L = Jersey City, O = The USERTRUST Network, CN = USERTrust RSA Certification Authority
   a:PKEY: 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-----
MIIGlTCCBH2gAwIBAgIRANJ/u8HeNZ5SFq1hSVhgmcQwDQYJKoZIhvcNAQEMBQAw
gYgxCzAJBgNVBAYTAlVTMRMwEQYDVQQIEwpOZXcgSmVyc2V5MRQwEgYDVQQHEwtK
ZXJzZXkgQ2l0eTEeMBwGA1UEChMVVGhlIFVTRVJUUlVTVCBOZXR3b3JrMS4wLAYD
VQQDEyVVU0VSVHJ1c3QgUlNBIENlcnRpZmljYXRpb24gQXV0aG9yaXR5MB4XDTIx
MDMyMjAwMDAwMFoXDTM4MDExODIzNTk1OVowXzELMAkGA1UEBhMCR0IxGDAWBgNV
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	119.40.116.110
Connect Time	10.71 ms
TTFB	288.21 ms
Total Time	288.31 ms

Response Headers:


```
{
    "0": "HTTP/1.1 302 Object moved",
    "1": "Location: https://akademik.upm.edu.my/",
    "2": "Content-Length: 74",
    "3": "Content-Type: text/html",
    "5": "HTTP/1.1 200 OK",
    "6": "Date: Sat, 08 Aug 2026 10:15:33 GMT",
    "7": "Server: Apache/2.4.41 (Ubuntu)",
    "8": "Host: akademik.upm.edu.my",
    "9": "Content-type: text/html; charset=utf-8",
    "10": "Expires: Thu, 19 Nov 1981 08:52:00 GMT",
    "11": "Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
    "12": "Pragma: no-cache",
    "13": "X-Content-Type-Options: nosniff",
    "14": "Referrer-Policy: origin",
    "15": "Feature-Policy: camera 'self'; execution-while-not-rendered: 'none'",
    "16": "Cross-Origin-Resource-Policy: same-site | same-origin",
    "17": "Permissions-Policy: document-domain=(self)",
    "18": "X-Frame-Options: SAMEORIGIN",
    "19": "Strict-Transport-Security: max-age=2592000",
    "20": "X-Powered-By: iDEC UPM 2017",
    "21": "Set-Cookie: PHPSESSID=jd7luiht82lelvt9o836gakns5; path=/",
    "22": "Set-Cookie: cookiesession1=678B288DB1951C9D7F8354841C381873;Expires=Sun, 08 Aug 2027 10:15:33 GMT;Path=/;HttpOnly"
}
```


IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	119.40.116.110
Connect Time	4.39 ms
TTFB	35.23 ms
Total Time	35.27 ms

Response Headers:


```
[
    "HTTP/1.1 200 OK",
    "Date: Sat, 08 Aug 2026 10:15:33 GMT",
    "Server: Apache/2.4.41 (Ubuntu)",
    "Host: akademik.upm.edu.my",
    "Content-type: text/html; charset=utf-8",
    "Expires: Thu, 19 Nov 1981 08:52:00 GMT",
    "Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0",
    "Pragma: no-cache",
    "X-Content-Type-Options: nosniff",
    "Referrer-Policy: origin",
    "Feature-Policy: camera 'self'; execution-while-not-rendered: 'none'",
    "Cross-Origin-Resource-Policy: same-site | same-origin",
    "Permissions-Policy: document-domain=(self)",
    "X-Frame-Options: SAMEORIGIN",
    "Strict-Transport-Security: max-age=2592000",
    "X-Powered-By: iDEC UPM 2017",
    "Set-Cookie: PHPSESSID=6fi6od35ddg7uakss6b7b83ap0; path=/",
    "Set-Cookie: cookiesession1=678B288D0DFB8AC033C7FDB216F993AF;Expires=Sun, 08 Aug 2027 10:15:33 GMT;Path=/;HttpOnly"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	302 0.004273 0.029331
TCP Connect IPv4 → port 443	200 0.004417 0.074296

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
```