


IPv6 Readiness Report

hmetro.com.my — hmetro.com.my

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

Audit trail: <https://ipv6.my6.my/audit/1588b3f4-f47b-488e-a0fa-39431d652b04>

 Partially Compliant <small>MGv6C-1.0</small>	82% Partial Support	IPv6-ONLY READINESS Website: ✓ Ready DNS: ✓ Ready Email: ✗ Not Ready
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IPv6 ADDRESSES
2606:4700::6812:187a
2606:4700::6812:197a

IPv4 ADDRESSES
35.186.241.124

Network Information (WHOIS / RDAP)

	IPv6 Network	IPv4 Network
Organization	Cloudflare, Inc.	Google LLC
Country	US	US
ASN	AS13335	AS396982
ASN Name	CLOUDFLARENET - Cloudflare, Inc., US	GOOGLE-CLOUD-PLATFORM - Google LLC, US
Network (CIDR)	2606:4700::/32	35.184.0.0/13

Web Services (35%)				8 / 8
#	CHECK	RESULT	DETAIL	
1	AAAA Record	PASS	2606:4700::6812:187a, 2606:4700::6812:197a	
2	Globally Routable IPv6	PASS	All addresses are globally routable.	
3	HTTP over IPv6	PASS	HTTP (port 80) responds over IPv6.	
4	HTTPS over IPv6	PASS	HTTPS (port 443) responds over IPv6 — 78ms TTFB.	
5	IPv6-Only Reachability	PASS	Site is fully reachable via IPv6-only.	
6	TLS Certificate Valid (IPv6)	PASS	Certificate valid — issued by C = US, O = Google Trust Services, CN = WE1, expires May 22 04:59:18 2026 GMT	
7	Dual-Stack (IPv4 + IPv6)	PASS	Domain has both A and AAAA records.	
8	HTTP/3 (QUIC)	PASS	Alt-Svc: h3 header detected.	

DNS & DNSSEC (25%)				3 / 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	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.	

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

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: google._domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	35.186.241.124
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 192ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 57ms TTFB.

Audit Trail & Evidence Record

Verification ID	1588b3f4-f47b-488e-a0fa-39431d652b04
Domain	hmetro.com.my
Check Mode	Manual
Status	Completed
Started	07 Mar 2026, 01:17:22 MYT
Finished	07 Mar 2026, 01:18:30 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/1588b3f4-f47b-488e-a0fa-39431d652b04

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	5457ecaf2f636cca71b66d64d6dad4cf186cf508adcbec7bdaeb68e568429955
http_headers	2275b800837bd51c40d550bc0cd9539d897b700a2072c5a238c39d8b41c87133
dns_responses	84b5c5b4267794323aafacab925fb9df393c104e6b70a60b0ee75007140f7194
tls_handshake	65085fd270e6f88f856334847b02a0fca76d5a8c26f4f223e49a6bd6e3b2e73a
connectivity_log	11e242d84260076ad24299cd5547262bcb844c6d3b6204d8202cacbe6d89831a
dns_resolution_times	b86bf478d80462f8465bd5ddc43a74ea020f67c36719059d4bc3f62a445b6385

Test Node Identity

Os	Linux srv1440888 6.8.0-101-generic #101-Ubuntu SMP PREEMPT_DYNAMIC Mon Feb 9 10:15:05 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.30
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	11.03	23.57	20.06	20.34	+9
Google	IPv4	28.19	30.81	26.83	34.95	-1.4
Google	IPv6	25.93	40.46	37.4	55.48	+11.5
Cloudflare	IPv4	27.08	33.79	32.33	32.47	+5.3
Cloudflare	IPv6	34.39	47.24	22.04	51	-12.4

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 52383
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
hmetro.com.my. 300 IN A 35.186.241.124
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 36889
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; AUTHORITY SECTION:
com.my. 1800 IN SOA b.nic.my. hostmaster.nic.my. 2026018483 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 40149
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
hmetro.com.my. 300 IN MX 5 alt1.aspmx.l.google.com.
hmetro.com.my. 300 IN MX 10 alt4.aspmx.l.google.com.
hmetro.com.my. 300 IN MX 5 alt2.aspmx.l.google.com.
hmetro.com.my. 300 IN MX 10 alt3.aspmx.l.google.com.
hmetro.com.my. 300 IN MX 1 aspmx.l.google.com.
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 3985
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
hmetro.com.my. 21600 IN NS ns-cloud-c2.googledomains.com.
hmetro.com.my. 21600 IN NS ns-cloud-c3.googledomains.com.
hmetro.com.my. 21600 IN NS ns-cloud-c4.googledomains.com.
hmetro.com.my. 21600 IN NS ns-cloud-c1.googledomains.com.
```

TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 22006
;; flags: qr rd ra; QUERY: 1, ANSWER: 17, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; ANSWER SECTION:
hmetro.com.my. 300 IN TXT "adobe-idp-site-verification=a8e5385c-6f7a-4ed4-87f1-b1c9ee921f34"
hmetro.com.my. 300 IN TXT "I6ovDNR+cy6d7JTK62iISSWR5S4S5J7R6KETfLEHYS19Bi4LCNZAbsSuWE3he8n/L0sgvCN/JxLPMV/ZI4cUvsw=="
hmetro.com.my. 300 IN TXT "dailymotion-domain-verification=dm3erdttgq92hyny0m"
hmetro.com.my. 300 IN TXT "google-site-verification=V9xjtl352SagxUidN54_f8lXGvk3yCAi_rUA2KYfwNs"
hmetro.com.my. 300 IN TXT "google-site-verification=OD7LmCLiy7wMTsp4GiLwPQ8MXCiz-wUleP4h4HjtJW8"
hmetro.com.my. 300 IN TXT "google-site-verification=drFQ9mj5gy2pJYl31eNa_mu6dBaLqGPws8Iu2k-0UCs"
hmetro.com.my. 300 IN TXT "google-site-verification=gqfWhv5Z15xDbzS4K5u2g2pr4NloQ7nH3oHvBmfzAfQ"
hmetro.com.my. 300 IN TXT "workplace-domain-verification=NGZDCtEmddHA1duaksqJ89ZbaTqcg3"
hmetro.com.my. 300 IN TXT "v=spf1 include:_spf.google.com ~all"
hmetro.com.my. 300 IN TXT "google-site-verification=c9uAdjIgJhT-HFQ6fq_1Ht76ayWH3jhVjTmKmnReE"
hmetro.com.my. 300 IN TXT "MS=ms78723063"
hmetro.com.my. 300 IN TXT "facebook-domain-verification=vp80fpkrl88rtj2aln73pi6uttdqqa"
hmetro.com.my. 300 IN TXT "google-site-verification=GfB13ymhwYGG_6S8JAJURo9715wTdBp15RtdVEaCjWw"
hmetro.com.my. 300 IN TXT "google-site-verification=_XYyik-65c9UhsHLGpa2NV7JdkYYqhSKHJk3usN7Y"
hmetro.com.my. 300 IN TXT "ppe-85d935e15af1723e936a54318517073435e2a96d"
```

```
hmetro.com.my.[]300[]IN[]TXT[]"google-site-verification=PbGqcn-95B4I0XpGCaCSwQ9iq0kyZ0JQ3ocVqmaEzqM"  
hmetro.com.my.[]300[]IN[]TXT[]"google-site-verification=2TWSVWTOdMYUzMj7vNxQy6z18eroAt97NW3-tu16PVA"
```

AAAA

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 54889  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 512  
;; AUTHORITY SECTION:  
hmetro.com.my.[]165[]IN[]SOA[]ns-cloud-c1.googledomains.com. cloud-dns-hostmaster.google.com. 2 21600 3600 259200 300
```

RRSIG

```
ns-cloud-c1.googledomains.com. cloud-dns-hostmaster.google.com. 2 21600 3600 259200 300
```

DNSKEY

```
;; Got answer:  
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 32357  
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 512  
;; AUTHORITY SECTION:  
hmetro.com.my.[]300[]IN[]SOA[]ns-cloud-c1.googledomains.com. cloud-dns-hostmaster.google.com. 2 21600 3600 259200 300
```

DNSSEC_VALIDATION

```
; unsigned answer  
hmetro.com.my.[]21600[]IN[]SOA[]ns-cloud-c1.googledomains.com. cloud-dns-hostmaster.google.com. 2 21600 3600 259200 300
```


TLS Handshake Evidence

IPV4 Connection

IP Used	35.186.241.124
IP Version	4

```

depth=2 C = US, O = Google Trust Services LLC, CN = GTS Root R1
verify return:1
depth=1 C = US, O = Google Trust Services, CN = WR3
verify return:1
depth=0 CN = hmetro.com.my
verify return:1
CONNECTED(00000010)
...
Certificate chain
 0 s:CN = hmetro.com.my
  i:C = US, O = Google Trust Services, CN = WR3
  a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
  v:NotBefore: Jan 19 11:54:46 2026 GMT; NotAfter: Apr 19 12:48:40 2026 GMT
-----BEGIN CERTIFICATE-----
MIIFJzCCBA+gAwIBAgIRANofz9Lt1Ck5CqouHqllPqAwDQYJKoZIhvcNAQELBQAw
OzELMAkGA1UEBhMCVWxHjAcBgNVBAoTFUdvb2dsZS5SUcnVzdCBTZj2aWNLczEM
MAoGA1UEAxMDV1IzMB4XDTI2MDExOTExNTQ0N0l0XDTI2MDQyOTExNDg0MFow
GDEWMBQGA1UEAxMNAg1ldHJvLmNvb5S5teTCCASiWdQYJKoZIhvcNAQEBBQADggEP
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QH90fMfBuexJyzZxOZ//BJyKV5uLYJMybeMaKdEagg9X3lT8E/4vbdmp9uip2tEf
5BtaHI92fF0VRmS88LFAP8sin25+XehS6BZvaosRmfnFuZxjTcvSMXfacbrbe6jF0
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2Mf1mKt6S3PIP+ZecLKL6xbCm8PNJHKApqi0DczFAZKA0iNUdUp5bjEcvHEoLjxS
T78wiQ/w9DxwWEDf7R8WPhjWRRY7/eUCAwEAa0CAkcgwgJDMA4GA1UdDwEB/wQE
AwIFoDATBgNVHSEDDAKBgggrBgEFBQcDATAMBGNVHRMBAf8EAjAAMB0GA1UdDgQW
BBT/k6TU08AC24IULBfU2cG6S0fEIDAFBGNVHSMEDGAWgBTHgFX9jojZADxNY6JQ
MSGz1P+IzBeBgggrBgEFBQcBAQRSMFAwJwYIKwYBBQUHMAGG2h0dHA6Ly9vLnBr
a55nb29nL3Mvd3IzLzJoODAlBgggrBgEFBQcwoAoYzAhR0cDovL2kuGtPlmdvb2cv
d3IzLmNmYDdAYBgNVHREETAPgglobWV0cm8uY29tLm15MBMGAlUdIAQMMAowCAYG
Z4EMAQIBMDYGA1UdHwQvMC0wK6ApoCeGJWh0dHA6Ly9jLnBra55nb29nL3dyMy9o
RDE2QWx2Q0duZy5jcmwvGgEFBgggrBgEEAdZ5AgQCBiH2BIHzAPEAdwCWL2S/VV1x
rfdh2g3CEJ36fA61fak8ZzUrQ/D8qpxgAAAzVwUnesAAAEAwBIMEYCIQDzevni
KX1cZUpuPMtYUvCVVp5deTLWY74Gg+6S5s9wIhAMkRX1QrSXpIq7j+ZkrvW7J4
XgUxr00H2tpAE0S1+ryCAHYASZybad4df0z8Nt7Nh25muFuvCoeAGdFVUvvp6ynd
+MMAAGb1LJ3hgAABAMARzBFAiBm40nBGNEldryalUwdW6qp7Yfe42LEerL2uF0/L
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GADmKdPLXud0Q1Xb5U4iLBUytLrLkHzi5FINoGiNoaTjXAL0PPAVASzmdwRyr3n4
UoArC0Xv/FhbtFhVfOLjZxECRCZKZ11TpnGR
-----END CERTIFICATE-----
 1 s:C = US, O = Google Trust Services, CN = WR3
  i:C = US, O = Google Trust Services LLC, CN = GTS Root R1
  a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
  v:NotBefore: Dec 13 09:00:00 2023 GMT; NotAfter: Feb 20 14:00:00 2029 GMT
-----BEGIN CERTIFICATE-----
MIIFCzCCAv0gAwIBAgIQf/AFqRv01jq8IoYWhKpLWjANBgkqhkiG9w0BAQsFADBH
MQswCQYDVQQGEwJVUzEiMCAgA1UEChMZR29vZ2x1IFRydXN0IFNlcnZpY2VzIExM
QzEUMBIjA1UEAxMLR1R1IFR1b3QgUjEwHhcNMjMxMjE2MDQyOTExNDg0MFowGDEW
MTQwMDAwMjA7MQswCQYDVQQGEwJVUzEiMCAgA1UEChMZR29vZ2x1IFRydXN0IFNl
cnZpY2VzMQswCgYDVQQDEwNXUjMwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEK
AoIBAQCpNHwHr4RyFI0HEJFvA6zx1Ag1mhnymxiJNGyYj3rU3e0F6N4bfIXUerp5
ivsYDQ18n0P90050XsYzy0aJb0ag6TdjdzM1Zd0Mq17HSMFufV75U0Y0Lxx1N4
GLHtp1SyfIa+8FRFvIe6mVkd9LjBAPuBT0YrYL6x0UqFyOsoR7FjuVe/XEefa50
I30EUrI00t+ZrIftGTLf+0ZPjnwSwrIwRpLQtg3H5Iln/z9ULCdL4wHISiyEL2Vf
za1c/aatQVvcTD8XlpF9qdg8Uyoc00bUd+ZDSsK3+Eiiza1jtSVrlnIdgUvVhmnE
50Z4TDHmoX+nAXMKh++H1XLm08WNAgMBAAGjg4wGfswDgYDVR0PAQH/BAQDAGG
MB0GA1UdJQkqMBGQCcsGAQUFBwMBBggrBgEFBQcDAjASBgNVHRMBAf8ECDAGAQH/
AgEAMB0GA1UdDgQWBBTHgFX9jojZADxNY6JQMSGz1P+IzAFBGNVHSMEDGAWgBTK
rysmcRorSceFL1JmL0/w1RNxpJA0BgggrBgEFBQcBAQQ0MCYwJAYIKwYBBQUHMAGK
Gh0dHA6Ly9pLnBra55nb29nL3IzLmNmYDdAYBgNVHREJDAiMCCGhQACHpodHRW
018vYy5wa2kuZ29vZy9yL3IzLmNmYDdAYBgNVHSAEEDAKMAgGBmeBDAECATANBgkq
hkiG9w0BAQsFAAQCAgEAnI1DLJQzSKwbyXXrJ5sGkMo6K674TMqhsuTg67a0FX0
2752+eiJ5Ys0Jc8D0VHaLwp0vbuPdl5BuAEgIK4Va7l9j3J9M1/EjeWjGTM3Ros
zmB3Gu82oz6EWi5q75xeF+onJmh2Hm98a/yJA1/m0DXo5LoFyc09AfffKp9ZMzu+Y
wM+/qHqyX2Jha0ntvL7i85+1Y8CcKEqM1NFk4s4EBYPRFjZDaw0HX7f5chbSMVP
n5Nu04LrU6xufuZqRosEQw2o0UayzDoyA52NXzJTWr1G2FVg/0A9hdRQ/6fe9G31
67zKXnQXers6MpHttEouGbpM2ftzrmcruYxTfxc4G2GwBi3LFLozNpy042gdFXB
zDyN1staWsy7+QnzMLR59Fz6jB0k5R4L+ma0+KjnfRmH5T2ucm69HkvnQzDLV
a1tLU1zs0zLEdQSehTcjZ65YsGt2bMVK6dvtxzcyCP00DUFnNXcwgw12+mgGSAuj

```

```

40Ri8kMRpnL8UEjkNbdw9KL1eYbEC3D0GPue2Yk2AGhxkcmcdm1Bo0p05kYw/Nnqg
h7QW8KyBTUHbjH0pXLL10sSOY+C1h1eTM+Do6rSjgGnD0eUXylZmPCmuveaw38I
VnBaaEiz6pngZ1u60e0/1UzfhmyTm0n0G+9JZ3KS2Mq08isNgXHLnhLHJaphE=
-----END CERTIFICATE-----
2 s:C = US, 0 = Google Trust Services LLC, CN = GTS Root R1
i:C = BE, 0 = GlobalSign nv-sa, OU = Root CA, CN = GlobalSign Root CA
a:PKKEY: rsaEncryption, 4096 (bit); sigalg: RSA-SHA256
v:NotBefore: Jun 19 00:00:42 2020 GMT; NotAfter: Jan 28 00:00:42 2028 GMT
-----BEGIN CERTIFICATE-----
MIFjYCCBEqgAwIBAgIQd70NbnS2+RrQIQ/E8FjTDTANBqkqkiG9w0BAQsFADBx
MQswCQYDVQQGEwJCRTEZMBCGA1UEChMQR2xvYmFsU2lnbiBudilzYTEQMA4GA1UE
CxMHUm9vdCBDQTEbMBkGA1UEAxMSR2xvYmFsU2lnbiBSb290IENBMB4XDTEwMDYx
OTAwMDA0M1oXDTI4MDEyODAwMDA0M1owRzELMakGA1UEBhMCMVVMxIjAgBgNVBAoT
Gudvb2dsZS5BUcnVzdCBTZjJ2aWNLcyBMTEMxZDAsBgNVBAMTC0UUYyBSb290IFIx
MIIICjANBgkqhkiG9w0BAQEFAAOCAg8AMIICCgKCAgEAtHECix7j0Xeb09y/LD63
ladAPKH9gvl9MgaCcFb2jh/76Nu8ai6X160MS/kr9rH5zoQdsfnL97vufKj6bwS
iV6nqLKr+CMny6SxnGPb15L+8Ape62im9MZAraWlNEDEPjTrEto8gYbEvs/AmQ351k
KSUjB6G00j0uYODP0gmHu81I8E3CwnqIiru6z1kZ1q+PsAewnJHxgsHA3y6mbWwZ
DrXYfiYaRQM9sHmkLCitD38m5agI/pboPGiUU+6D0ogrFZYJsuB6jC51lpzrp1Zk
j5ZPaK4918KEj8C8QMALXL32h7M1bKwYUH+E4EzNktMg6T08UpmvMrUpsyUqtEj5
cuHKZPFmghCN6J3Cioj60GaK/GP5Afl4/Xtcd/p2h/rs37E0eZVXtL0m79YB0esW
CruQC7XfXpVq90s6pFLKcwZpDILLtirxZUTQAs6qzk06p98g7BAe+dQ6ds0499
iYH6TKX/1Y7DkzvgtdizjKXpdsDtQcV9Uw+wp9U7DbGKogPeMa3M+pvez7W35Ei
Eua+tgY/BBjFFfy3L3WfP09KwGz7zpm7AekJt8T11dLeCfeXkkuAKIAf5qoIbap
sZwWpbkNFhHax2xIPEDgfg1azVY80ZcFuctL7TLnMQ/0LUTbiSw1nH69MG6z00b
9f6B0dgAmD06yK56mDcYBZUCAwEAa0CATgwgE0MA4GA1UdDwEB/wQAwIBhJAP
BgNVHRMBAf8EBTADAQH/MB0GA1UdDgQWBTKrYsmcRorSCEFL1JmL0/wiRNxPjAFA
BgNVHSMGDAWgBRge2YaRQ2XyoLQL30EzTS0//z9S2BgBggRBgEFBQcBAQRUMFIw

```

IPv6 Connection

IP Used	2606:4700::6812:187a
IP Version	6

```

depth=2 C = US, 0 = Google Trust Services LLC, CN = GTS Root R4
verify return:1
depth=1 C = US, 0 = Google Trust Services, CN = WE1
verify return:1
depth=0 CN = hmetro.com.my
verify return:1
CONNECTED(00000010)
---
Certificate chain
0 s:CN = hmetro.com.my
i:C = US, 0 = Google Trust Services, CN = WE1
a:PKKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA256
v:NotBefore: Feb 21 03:59:22 2026 GMT; NotAfter: May 22 04:59:18 2026 GMT
-----BEGIN CERTIFICATE-----
MIIDQzCCA1KgAwIBAgIQfPD/vpF/jxUN8kGH2zKoNTAKBggqhkiOPOQDAjA7M0sw
CQYDVQQGEwJVUzEeMBwGA1UEChMVR29vZ2x1IFRydXN0IFNlcnZpY2VzMQwwCgYD
VQQDEwNXRTEwHhcnMjYwMjIxMDM1OTIyYWhcNmJYwWNTYMDQ1OTE4WjAYMRyWFAyD
VQQDEwIobWV0cm8uY29tLm15MFkwEwYHKoZIzj0CAQYIKoZIzj0DAQcDQgAESejw
YmQue1tF06Rb8o3zP21Uj6qL16VKKNVBYSadTAPkIq19xtZ3RoyLJVh0BnfkBAEL
m/BsRRA4Z8gIQNkb260CA1kwggJVMA4GA1UdDwEB/wQAwIEHDAQBGNVHsUEDDAK
BggRBgEFBQcDATAMBgnVHRMBAf8EAjAAMB0GA1UdDgQWBToLSpIwNG6DtlqisNN
Nyr4eTdeqTafBgNVHSMGDAWgBSQd5I1Z8T/qMyP5nvZgHl7zJP50DBeggrBgEF
BQcBAQRSMFAwJwYIKwYBBQUHMAAGG2h0dHA6Ly9vLnBra5nb29nL3Mvd2UxL2ZQ
QTA1BggRBgEFBQcAoYzAHR0cDovL2kucGtpLmdvb2cvd2UxLmNydApBgNVHREE
IjAgggIobWV0cm8uY29tLm15gg8qLmhtZXRYby5j20ubXkwEwYDVR0gBAwwCjAIBg
ZnGQwBAGewNgYDVR0fBC8wLTAr0cmGj4Y1aHR0cDovL2MucGtpLmdvb2cvd2Ux
L0J3WwtkNVhrWThjLmNybDCCCAQYGCisGAQQB1nkCBAIEGfCegfQA8gB3AJaxZL9V
WJEt900HaDcIQnfp8DrV9qTzNm5GpD8PygnGAAABnH6RFc0AAAQDAEgwRgIhAMkt
kyTPNdCiBwQI7trL0j6U/MzzXRps8LTIaxL5uPAIEArNM02GMw6/1WmlrTRISDn
iXWfDoF959xD1+7R+y03/sQAdwDLOPcviXyEoURfW8Hd+8Lu8ppZzUcKaQWfSmsU
wxRY5AAAZx+kRRCAAAEAwBIMEYCIQCZFBnS69K6iUiludfaNvYWRGQzCaMpSlh
QDLEBrrYwgIhAJXJVIAQQfZGYM6q2UvYhi4tyq25vhgRonZQTxdGbv/8MAoGCCqG
SM49BAMCA0CAMEQCIHrsGfjraF2RC+jtz8U+5daRSXJra/zMLln4GF3CYkmaIBZ
LACAKP0ZvTP4Z9iZsZ764/Ww1MKqyTpeSqJyLJMqGA==
-----END CERTIFICATE-----
1 s:C = US, 0 = Google Trust Services, CN = WE1
i:C = US, 0 = Google Trust Services LLC, CN = GTS Root R4
a:PKKEY: id-ecPublicKey, 256 (bit); sigalg: ecdsa-with-SHA384
v:NotBefore: Dec 13 09:00:00 2023 GMT; NotAfter: Feb 20 14:00:00 2029 GMT
-----BEGIN CERTIFICATE-----
MIICnzCCAiwAwIBAgIQf/MZd5csIkp2FV0TttaF4zAKBggqhkiOPOQDAzBHM0sw
CQYDVQQGEwJVUzEiMCAGA1UEChMZR29vZ2x1IFRydXN0IFNlcnZpY2VzIExMQzEw
MBIGAEIUEAxMLR1RTIFJvb3QgUjQwHhcnMjYwMjIxMDM1OTIyYWhcNmJYwWNTYMDQ1
MDAwWjA7MQswCQYDVQQGEwJVUzEeMBwGA1UEChMVR29vZ2x1IFRydXN0IFNlcnZp
Y2VzMQwwCgYDVQQDEwNXRTEwWTATBgqhkiOPOQIBBggqhkiOPOQMBwNCAARvzTr+

```

```

Z1dHTCEDhUDCR127WecPQMFcF4XGGTfn1XzthkubgdnXGh0LCgP4mMTG6J7/EFmP
LCaY9eYmJbsPAvpw04H+MIH7MA4GA1UdDwEB/wQEAWIBhJAdBgNVHSUEFjAUBggg
BgEFBQcDAQYIKwYBBQUHAwIwEgYDVR0TAQH/BAgwBgEB/wIBADAdBgNVHQ4EFgQU
kHeSNWfE/6jMqeZ72YB5e8yT+TgwHwYDVR0jBBgwFoAUgEzW63T/STaj1dj8tT7F
avCUHYwWNAyIKwYBBQUHAQEEDAmMCGCCsGAQUFBzAChhhodHRwOi8vaS5wa2ku
Z29vZy9yNC5jcnQwKwYDVR0fBCQwIjAgoB6GHIYaHR0cDovL2MucGtpLmdvb2cv
ci9yNC5jcmwEwYDVR0gBAwwCjAIBgZngQwBAGewCgYIKoZIzj0EAwMDaAAwZQIX
A0cCq1HW900VznX+0RGU1cxAQXomvtgMBzITpZCuF08jSBJJz5keR0v9aYsAm5V
sQIUwJonMaAFi54mrfhf0FNZEfuNMSQ6/bIBiNLiyoX46FohQvKeIoJ99cx7sUkFN
7uJW
-----END CERTIFICATE-----
2 s:C = US, 0 = Google Trust Services LLC, CN = GTS Root R4
i:C = BE, 0 = GlobalSign nv-sa, OU = Root CA, CN = GlobalSign Root CA
a:PKKEY: id-ecPublicKey, 384 (bit); sigalg: RSA-SHA256
v:NotBefore: Nov 15 03:43:21 2023 GMT; NotAfter: Jan 28 00:00:42 2028 GMT
-----BEGIN CERTIFICATE-----
MIIDejCCAmKgAwIBAgIQf+UwvzMTQ77dghYQST2KGzANBgkqhkiG9w0BAQsFADBX
M0sCQYDVQGEwJCRTEZMBCGA1UEChMQR2xvYmFsU2lnbiBudilzYTEQMA4GA1UE
CxMHUm9vdCBDQTEbMBkGA1UEAxMSR2xvYmFsU2lnbiBSb290IENBMB4XDTEzMTEx
NTA2NDMyMVoXDTI4MDEyODAwMDA0M1owRzELMAkGA1UEBhMCMVVMxIjAgBgNVBAoT
GUdub2dsZSBSUcnVzdCBTZXJ2aWNLcyBMTExFMDASBgNVBAMTC0UUYyBSb290IFI0
MHYWEAYHkoZiZj0CAQYFK4EEACIDYgAE83Rzp2iLYK5DuDXFgTB7S0md+8Fhzube
Rr1r1WEYNa5A3XP3iZEwLus87oV8okB206nGuEfyKueSkWpz6bFy0Z8pn6KY019e
WIZLD6GEZQbR3IvJx3PIjGov5cSr0R2Ko4H/MIH8MA4GA1UdDwEB/wQEAWIBhJAd
BgNVHSUEFjAUBgggBgEFBQcDAQYIKwYBBQUHAwIwEgYDVR0TAQH/BAUwAwEB/zAd
BgNVHQ4EFgQUgEzW63T/STaj1dj8tT7FavCUHYwWNAyIKwYBBQUHAQEEDAmMCGCCs
GAQUFBzAChhhodHRwOi8vaS5wa2kuZ29vZy9yNC5jcnQwKwYDVR0fBCQwIjAgoB6G
HIYaHR0cDovL2MucGtpLmdvb2cvci9yNC5jcmwEwYDVR0gBAwwCjAIBgZngQwBAGew
CgYIKoZIzj0EAwMDaAAwZQIXA0cCq1HW900VznX+0RGU1cxAQXomvtgMBzITpZCuF08j
SBJJz5keR0v9aYsAm5VsQIUwJonMaAFi54mrfhf0FNZEfuNMSQ6/bIBiNLiyoX46FohQv
KeIoJ99cx7sUkFN7uJW
-----END CERTIFICATE-----
---
Server certificate
subject=CN = hmetro.com.my
issuer=C = US, 0 = Google Trust Services, CN = WE1
---
No client certificate CA names sent
Peer signing digest: SHA256
Peer signature type: ECDSA
Server Temp Key: X25519, 253 bits
---
SSL handshake has read 2830 bytes and written 395 bytes
Verification: OK
---
New, TLSv1.3, Cipher is TLS_AES_256_GCM_SHA384
Server public key is 256 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
No ALPN negotiated

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	104.18.24.122
Connect Time	5.32 ms
TTFB	47.95 ms
Total Time	48.02 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Server: nginx/1.18.0 (Ubuntu)",
  "2": "Date: Fri, 06 Mar 2026 09:18:29 GMT",
  "3": "Content-Type: text/html",
  "4": "Content-Length: 178",
  "5": "Location: https://www.hmetro.com.my/",
  "6": "Via: 1.1 google",
  "8": "HTTP/2 200",
  "9": "date: Fri, 06 Mar 2026 09:18:29 GMT",
  "10": "content-type: text/html; charset=UTF-8",
  "11": "cf-ray: 9d8045fd3f858b74-KUL",
  "12": "cf-cache-status: HIT",
  "13": "age: 3",
  "14": "cache-control: public, max-age=30",
  "15": "expires: Fri, 06 Mar 2026 09:18:59 GMT",
  "16": "last-modified: Fri, 06 Mar 2026 09:18:26 GMT",
  "17": "server: cloudflare",
  "18": "strict-transport-security: max-age=2592000; includeSubDomains; preload",
  "19": "vary: accept-encoding",
  "20": "via: 1.1 google",
  "21": "referrer-policy: strict-origin-when-cross-origin",
  "22": "x-content-type-options: nosniff",
  "23": "x-frame-options: allow-from http://digital.nstp.com.my/",
  "24": "alt-svc: h3=\":443\"; ma=86400",
  "25": "speculation-rules: \"/cdn-cgi/speculation\"",
  "26": "x-xss-protection: 1; mode=block",
  "27": "set-cookie: __cf_bm=CQA2yKU_D6i4rmUkkZN4j0aV8isPcvx0Z2gIzt1.v0g-1772788709.9539618-1.0.1.1-vUxfPVUzi4txelQwkli3Kr3rGWqa71xs9AZhTSqDhMmoyfImo25lEb6YFphPQWJewgN3x1Vm8eUc2YpEhtxGMsk8jkr0u0jkbG06cZmFwjvaeVBH0trfUs_.ziMTL1; HttpOnly; Secure; Path=/; Domain=hmetro.com.my; Expires=Fri, 06 Mar 2026 09:48:29 GMT"
}
```

IPv6 HTTP (port 80)

HTTP Status	301
Connected IP	2606:4700::6812:187a
Connect Time	0.93 ms
TTFB	7.23 ms
Total Time	8.39 ms
Error	Could not resolve host: hmetro.com.my

Response Headers:

```
[
  "HTTP/1.1 301 Moved Permanently",
  "Date: Fri, 06 Mar 2026 09:18:29 GMT",
  "Connection: keep-alive",
  "Location: https://hmetro.com.my/",
  "X-Content-Type-Options: nosniff",
  "Speculation-Rules: \"/cdn-cgi/speculation\"",
  "set-cookie: __cf_bm=AevZ1.9nWPBSrEY0t7twLyZj28uIb3hVKTpgJBhZwdk-1772788709.687596-1.0.1.1-KWYovVjAj2o0ZSTXjePbcAuu4_YW5DmtBseq9F5zwyRYAyS07E0DpiIc3fw9WqHuyQMzEyzktuxcfBE7EBD7Aj8d0VKgyJRYwP10iNUXjzhCzy8mR8WYUvN2_nLkd_I7; HttpOnly; Path=/; Domain=hmetro.com.my; Expires=Fri, 06 Mar 2026 09:48:29 GMT",
  "Referrer-Policy: strict-origin-when-cross-origin",
  "X-Frame-Options: allow-from http://digital.nstp.com.my/",
  "Server: cloudflare",
  "CF-RAY: 9d8045fb88da5e2b-KUL",
  "alt-svc: h3=\":443\"; ma=86400"
]
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	104.18.25.122
Connect Time	8.11 ms
TTFB	60.76 ms
Total Time	60.83 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "server: nginx/1.18.0 (Ubuntu)",
  "2": "date: Fri, 06 Mar 2026 09:18:30 GMT",
  "3": "content-type: text/html",
  "4": "content-length: 178",
  "5": "location: https://www.hmetro.com.my/",
  "6": "via: 1.1 google",
  "7": "alt-svc: h3=\":443\"; ma=2592000,h3-29=\":443\"; ma=2592000",
  "9": "HTTP/2 200",
  "10": "date: Fri, 06 Mar 2026 09:18:30 GMT",
  "11": "content-type: text/html; charset=UTF-8",
  "12": "server: cloudflare",
  "13": "cf-ray: 9d8045fddfe4cf0c-KUL",
  "14": "cf-cache-status: HIT",
  "15": "age: 4",
  "16": "cache-control: public, max-age=30",
  "17": "expires: Fri, 06 Mar 2026 09:19:00 GMT",
  "18": "last-modified: Fri, 06 Mar 2026 09:18:26 GMT",
  "19": "strict-transport-security: max-age=2592000; includeSubDomains; preload",
  "20": "vary: accept-encoding",
  "21": "via: 1.1 google",
  "22": "alt-svc: h3=\":443\"; ma=86400",
  "23": "speculation-rules: \"/cdn-cgi/speculation\"",
  "24": "x-xss-protection: 1; mode=block",
  "25": "set-cookie: __cf_bm=gTfDFaJ2rFKBsY.08xH8DMXyKB5cFiEvv0rP.50AvFU-1772788710-1.0.1.1-BYTHzqd0LwSx05eIA5HIjJ5.vJPKjY6XrD5VCX0rqn80osv9bKiSg.cXNoEfz5R.JFzdR0h5wKIFz3Dc9vi_KLBpqqEuulviChwanAjmz8; path=/; expires=Fri, 06-Mar-26 09:48:30 GMT; domain=.hmetro.com.my; HttpOnly; Secure",
  "26": "referrer-policy: strict-origin-when-cross-origin",
  "27": "x-content-type-options: nosniff",
  "28": "x-frame-options: allow-from http://digital.nstp.com.my/"
}
```

IPv6 HTTPS (port 443)

HTTP Status	200
Connected IP	2606:4700::6812:197a
Connect Time	11.76 ms
TTFB	92.98 ms
Total Time	93.06 ms

Response Headers:

```
{
  "0": "HTTP/2 301",
  "1": "date: Fri, 06 Mar 2026 09:18:29 GMT",
  "2": "content-type: text/html",
  "3": "location: https://www.hmetro.com.my/",
  "4": "cf-ray: 9d8045fc5979ab5b-SIN",
  "5": "via: 1.1 google",
  "6": "alt-svc: h3=\":443\"; ma=86400",
  "7": "cf-cache-status: DYNAMIC",
  "8": "set-cookie: __cf_bm=PLegZVe4ZSchGcdGhCq2Z13UrUt77Fwvf3gSrtKQjvQ-1772788709-1.0.1.1-5Ivi6CiSeTtS8H3lx4s6rHerKD9mKkflRvHf9ZMP0yNozwDnTld.r6LioWl2wHc4ZnaIQFkphDU_G.6PWYRRXPTYRwCfBJmHtCJ6gk7M5Q; path=/; expires=Fri, 06-Mar-26 09:48:29 GMT; domain=.hmetro.com.my; HttpOnly; Secure",
  "9": "strict-transport-security: max-age=2592000; includeSubDomains; preload",
  "10": "speculation-rules: \"/cdn-cgi/speculation\"",
  "11": "referrer-policy: strict-origin-when-cross-origin",
  "12": "x-content-type-options: nosniff",
  "13": "x-frame-options: allow-from http://digital.nstp.com.my/",
  "14": "server: cloudflare",
  "16": "HTTP/2 200",
  "17": "date: Fri, 06 Mar 2026 09:18:29 GMT",
  "18": "content-type: text/html; charset=UTF-8",
}
```

```

"19": "cf-ray: 9d8045fc9ba2b2e8-KUL",
"20": "cf-cache-status: HIT",
"21": "age: 3",
"22": "cache-control: public, max-age=30",
"23": "expires: Fri, 06 Mar 2026 09:18:59 GMT",
"24": "last-modified: Fri, 06 Mar 2026 09:18:26 GMT",
"25": "server: cloudflare",
"26": "strict-transport-security: max-age=2592000; includeSubDomains; preload",
"27": "vary: accept-encoding",
"28": "via: 1.1 google",
"29": "referrer-policy: strict-origin-when-cross-origin",
"30": "x-content-type-options: nosniff",
"31": "x-frame-options: allow-from http://digital.nstp.com.my/",
"32": "alt-svc: h3=\":443\"; ma=86400",
"33": "speculation-rules: \"/cdn-cgi/speculation\"",
"34": "x-xss-protection: 1; mode=block",
"35": "set-cookie: __cf_bm=WzEdsZDy9BuUw9vLhLKxCDbhsgw7Gxc8NJ104kGzbeQ-1772788709.8561516-1.0.1.1-6YJZAnVJiY6G56RgVZeUQC29VNhxvSIk3knwjPA1UCfPpZ2Ipe593KLVJEyc1LoQsgHZSP7ngNBq7W0xdTzp9p3VUznZhKY.Gx00Koy4xllurHnBG_LSMdPwG1W7ZM; HttpOnly; Secure; Path=/; Domain=hmetro.com.my; Expires=Fri, 06 Mar 2026 09:48:29 GMT"
}
    
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.001369 0.015376
TCP Connect IPv6 → port 80	301 0.003469 0.012095
TCP Connect IPv4 → port 443	301 0.004017 0.055011
TCP Connect IPv6 → port 443	301 0.000803 0.064613

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
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142
    
```