

# IPv6 Readiness Report

petronas.com — petronas.com



Scan to verify

Category: Enterprise • Generated: 04 Jul 2026, 22:12 MYT • Last Checked: 04 Jul 2026, 03:44 MYT • Verification ID: 576491d2-e1bf-43c9-b7ec-5692294d0126

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

Audit trail: <https://ipv6.my6.my/audit/576491d2-e1bf-43c9-b7ec-5692294d0126>

<p><b>X</b></p> <p><b>Non-Compliant</b></p> <p>MGv6C-1.0</p>	<p><b>43%</b></p> <p><b>No IPv6 Support</b></p>	<p><b>IPv6-ONLY READINESS</b></p> <p>Website: <b>X Not Ready</b></p> <p>DNS: <b>✓ Ready</b></p> <p>Email: <b>X Not Ready</b></p>
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<p><b>IPv4 ADDRESSES</b></p> <p>4.144.136.71</p>
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## Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Microsoft Corporation
Country	US
ASN	AS8075
ASN Name	MICROSOFT-CORP-MSN-AS-BLOCK - Microsoft Corporation, US
Network (CIDR)	4.144.0.0/12

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%)				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	<b>Signing Algorithm</b>	<b>INFO</b>	No DNSKEY record found.

**Email Services** (25%) 3 / 6

#	CHECK	RESULT	DETAIL
1	<b>MX Record Exists</b>	<b>PASS</b>	MX record found.
2	<b>MX Server Has IPv6</b>	<b>FAIL</b>	MX server has no IPv6 address.
3	<b>SMTP Reachable via IPv6</b>	<b>FAIL</b>	SMTP is not reachable over IPv6.
4	<b>STARTTLS over IPv6</b>	<b>FAIL</b>	STARTTLS not available over IPv6.
5	<b>SPF Record</b>	<b>PASS</b>	SPF record found.
6	<b>DKIM Selector</b>	<b>INFO</b>	DKIM selector found: selector1_domainkey
7	<b>DMARC Record</b>	<b>PASS</b>	DMARC record found.

**IPv4 Baseline** (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	<b>A Record</b>	<b>PASS</b>	4.144.136.71
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 143ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 109ms TTFB.

### Audit Trail & Evidence Record

Verification ID	576491d2-e1bf-43c9-b7ec-5692294d0126
Domain	petronas.com
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:44:08 MYT
Finished	04 Jul 2026, 03:44:12 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/576491d2-e1bf-43c9-b7ec-5692294d0126

### Integrity Verification

<p>✓ <b>INTEGRITY VERIFIED</b></p>	
Algorithm	hmac-sha256-v1
Root Hash	c939ee4e66aab18c4b0bba0b610fc42a03449d27411d38798065bb826760d8e3
http_headers	cff7e4185f0cf2786ce2c7a7495dbf93d9807c2b1be2c58f83a1913bf2c7c988
dns_responses	0879116c6eabac740baa9e16fb01e472b775b09ee74f2096576d0cc549c6221e
tls_handshake	b40069d1b4987d1cf455efa802c748fe950872f5b099f4b037cb42cf09a27663
connectivity_log	532258a0f7e08d1c468e3ce099d10b2ceb86c4cfbae863ac6445d15bdb49ce46
dns_resolution_times	7c09b836c3fbddcbb39a99f401de8027cc7799cc888a6de4c4e71a2f4cc92ab9

### 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	21.25	22.39	11.27	12.13	-10
Google	IPv4	31.69	33.63	29.06	30.46	-2.6
Google	IPv6	18.7	19.33	27.94	27.96	+9.2
Cloudflare	IPv4	9.12	10.04	9.17	9.93	+0.1
Cloudflare	IPv6	38.8	47.87	23.29	73.43	-15.5



**DNS Evidence**

**A**

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 17654
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
petronas.com. 3600 IN A 4.144.136.71
```

**DS**

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 37341
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com. 898 IN SOA a.gtld-servers.net. nstld.verisign-grs.com. 1783107821 1800 900 604800 900
```

**MX**

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 52120
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

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

**NS**

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 50345
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
petronas.com. 3600 IN NS ns1.al.impervasecuredns.net.
petronas.com. 3600 IN NS ns1.a0.impervasecuredns.net.
```

**TXT**

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 55699
;; flags: qr rd ra; QUERY: 1, ANSWER: 17, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
petronas.com. 3600 IN TXT "google-site-verification=NPFMRjJ5Vz9Rm2vinjKYBa7ufHUM0IRjmMCHfaTao-o"
petronas.com. 3600 IN TXT "google-site-verification=9-6x9rz55XDQGS08T6q0_gfLY9oWKZjHieUrWuMRJo"
petronas.com. 3600 IN TXT "v=spf1 include:spfint.petronas.com include:spfext.petronas.com include:spf.protection.outlook.com include:spf_c.oraclecloud.com include:ap.rp.oracleemaildelivery.com include:spf.mailjet.com -all"
petronas.com. 3600 IN TXT "dtm-domain-verification=n_8QBd3-I96Td6ssTCTefRvNdUrVfrSyuPmZn7ciXLI"
petronas.com. 3600 IN TXT "apple-domain-verification=ZxTixvtMz4XnoXDR"
petronas.com. 3600 IN TXT "sitecore-domain-verification=994e932a01874b18b2ee43b2efdd2b05"
petronas.com. 3600 IN TXT "sitecore-domain-verification=3458c1e18aa246b4bafa41823f00856e"
petronas.com. 3600 IN TXT "_qb8tx3tx86m16y3m186e6fldqc3n0g6"
petronas.com. 3600 IN TXT "ms-domain-verification=8d4379ee-8d16-4902-9279-9bba623b85df"
petronas.com. 3600 IN TXT "MS=ms47820606"
petronas.com. 3600 IN TXT "gk6-g5f-ar2"
petronas.com. 3600 IN TXT "7pHss+hSJSIK9bqxPmx0Cv+pYbKW875qYw1LAXPjvrByLY9+2FAnXztJ4MRf00IzybZZKEljDqBD+Wnj+SB2Ew=="
petronas.com. 3600 IN TXT "ptsg-1cmsdb01.azurewebsites.net"
petronas.com. 3600 IN TXT "miro-verification=a7fdc7b8f3aead47187e1bb8014ad6c84cbe5040"
petronas.com. 3600 IN TXT "docuSign=c63e3df6-5d91-4ece-b12e-036f340d851e"
petronas.com. 3600 IN TXT "docuSign=63457d71-741e-4b40-a4aa-20348a7a32eb"
petronas.com. 3600 IN TXT "PSWB6WFU7ZH151MC7TL8U1NG4X07RWLFEWG7QSUO"
```

**AAAA**

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 52079
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
petronas.com. 3598 IN SOA ns1.a0.impervasecuredns.net. sysadmin.petronas.com. 2013056900 10800 3600 604800 86400
```

## RRSIG

```
ns1.a0.impervasecuredns.net. sysadmin.petronas.com. 2013056900 10800 3600 604800 86400
```

## DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 13435
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
petronas.com. 3598 IN SOA ns1.a0.impervasecuredns.net. sysadmin.petronas.com. 2013056900 10800 3600 604800 86400
```

## DNSSEC\_VALIDATION

```
; unsigned answer
petronas.com. 3598 IN SOA ns1.a0.impervasecuredns.net. sysadmin.petronas.com. 2013056900 10800 3600 604800 86400
```



TLS Handshake Evidence

IPV4 Connection

IP Used	4.144.136.71
IP Version	4

```

depth=2 C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
verify return:1
depth=1 C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
verify return:1
depth=0 C = MY, L = Kuala Lumpur, O = PETROLIAM NASIONAL BERHAD (PETRONAS), CN = www.petronas.com
verify return:1
CONNECTED(00000010)
...
Certificate chain
0 s:C = MY, L = Kuala Lumpur, O = PETROLIAM NASIONAL BERHAD (PETRONAS), CN = www.petronas.com
i:C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Oct 22 00:00:00 2025 GMT; NotAfter: Oct 21 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIG5jCCBc6gAwIBAgIQDbk2HIU0JAXBDUrmEXycrjANBgkqhkiG9w0BAQsFADBz
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMTMwMQYDVQDEYmE
awdpQ2VydCBHbG9iYWwRZiGVEzIFJTOU5jBUQ0SjB0EBAQAAIIBDwAwgEKAoIBAQ
Cw9aP0CbSCduILYI2MSLyby2v29/Q
hUwawP6Bwt6P8cbVUdm7iaTeQW67RE+SVZHe9cmLMEqJdCLFfQv8kDRM9Xz0V/C
rLZhLxcz3AW6so30A1LZxv7uHJAKsu2f/1WG5FTUpesQiEcuh03EdJxY57ro4e0x
zwkJLhHDbNof1CK5vxLupV9L7Ec4eT9nQuoMok0P7YanDjI38Lh9mvQyTWZSKMNY
244XY7MojbRlnnbfpXsz+v660crrPTDAAAdkaq6gEp1wrEFkgMc/j4d0b2bhZiXa
hDJ0a7QKQ8nHWQ8e03B3bmarHVAVndv2jmZSeGz9EHqME3dTQ0SFZXVAgMBAAG
ggOTMTIDJzAFBgNVHSMGDAWgBR0hYDAZsffn97PvSk3qgMdvu3NFzAdBgNVHQ4E
FgQUleDwAsgiKxCsrSxJ7eN3bG6b7+sMwKQYDVR0RBCIWIiQd3d3LnBlDhJvbmFz
LmNvbWVIMcV0cm9uYXN0Y29tMD4GA1UdIAQ3MDUwMwYz4EMAQICMCKwJwYIKwYB
BOUHAQEwGZhdHAG6L9y3d3cuZGlnaWNLcnQuY29tL0NQUzA0BgNVHQ8BAf8EBAMC
BaAwEwYDVR0LBAwwCgYIKwYBBQUHAwEwgZ8GA1UdHwSBlzCBLDBoEagRIZCaHR0
cDovL2NybmDMuZGlnaWNLcnQuY29tL0RZL0R2X0R2X0YmFzRzJUTFNUS0FTSEY
NTYyMDIwQ0ExL0EY3J3SEigRqBEhkJodHRw0i8vY3J3NC5kaWdpY2VydC5jY2b2v
RGlnaUNlcnRhbG9iYWwHMLRMU1JTQVNIQTIIInjIwMjBDQTEtMS5jcmwvYyYkYkYkYk
AQUFBwEBBHSwEgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRg
MEFEGCCGAUQFBzAChkVodHRw0i8vY2FjZjX0cy5kaWdpY2VydC5jY2b2vRGlnaUNl
cnRhbG9iYWwHMLRMU1JTQVNIQTIIInjIwMjBDQTEtMS5jcnQwDAYDVR0TAQH/BAIw
ADCCAYEGCisGAQQB1nkCBAlEgGFxBIIBbQFRhCA1219ENGn9XfCx+lf1wC+/+YLJ
M1p14dCzAXMxMjFaXcAAAGaC1zcIAAABAMASDBGA1EAnbyUeNzRTwimgx+XWkvS
E8xC1LF5pQRkBJZ14ZyBdoCIQD6C1sUVgQA3sr9Wm9r17m00KIUIFhw0i/0vXW
2rgmKQB3AMIxflDFGaNf7n843rK0QevHwiFaI9/1bWtdprZDLNAAABmgtc3FBA
AAQDAEGwRgIhAI72FLc5SNsMedXLOYQNERdoug/nyU0oUwsk4ZoF1CgAiEAI8Ry
9jW8MFy/i/c/wP1TRwcu3HcW9456jVX2xPNK0SAAdwCUTkOH+uzB74HzG5mqBhL
AcftXzCAT9yZ31VNy4Z2AAAAZ0LXn8AAAEAwBIMEYCIQciYxr8kkwDMV1Tnrby
H0voq15iAo17bMLP0TquEegi1AIhAPYMSRjhzIvBKOILr0VbaBC85s02vKk1LvcD
0NnkeGjKMA0GCSqGSIb3DQEBcUAAIABAQ9M91FH+WrZZ/+pd59saClSxK/Fwn
TXC2Hk3QY+8K1oudouLS1HvkwJ/1BhUKA2H8eb25PhQ61RBtpMYaINTHxkvY7P7
XqhkTg51cjJPib3tvy0C07mnqdJL1Qy0a979ivf0a1YVC6zCg5T5DCQA9aw7zeyC
ubNKR68vxfjIDoKTRz88sMb4gksa6wsHuT29r344D0werQ8x20Qvein7BEPfZf
BNSgNOxthc6dmsovzAFytJgzJtrV2MTv6ycLQNOPzpxD0HGUVr23UzB01BXsDzX
f3R7bsQvwtYp4P6CNL7KSLhBYd02/G2sJ0aUE2Z5Cvtva/FI2bVUINh
-----END CERTIFICATE-----
1 s:C = US, O = DigiCert Inc, CN = DigiCert Global G2 TLS RSA SHA256 2020 CA1
i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Mar 30 00:00:00 2021 GMT; NotAfter: Mar 29 23:59:59 2031 GMT
-----BEGIN CERTIFICATE-----
MIIEyDCCA7CgAwIBAgIQDPW9BItWAvR6uFAsI8zwZjANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExBz
d3cuZGlnaWNLcnQuY29tMSAwHgYDVQDEYmEwawdpQ2VydCBHbG9iYWwUm9vdCBH
MjAeFw0yMTAzMzAwMDAwMDBAFw02MTAzMjkyMzU5NTU1aWwvY29tL0NQUzA0BgNV
BAVTMRUwEwYDVR0QEWwEawdpQ2VydCBjbmMxMzAxXG9wY29tL0NQUzA0BgNVBAYTAVU
cBCHMIIBUTFMgULNBTFNIQTIIInAiyMDIwYDVR0RBCIWIiQd3d3LnBlDhJvbmFzLmN
vgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgEgE
ggEPADCCAQcCggEBAMz3EGJpPrtjb+2QUlbFb5d7ehJwiVh0+dbn4Y+9LavyYEEV
cNs5APonCrvX0ft9sLGTcZU0akGUWzUb+nv6u8W+JDD+Vu/E832X4xT1FE3LpxDy
FuqrIvAxIhFhaZAmunjZlx/jfwardUSV8cis/+9dCOPzQ+Gssjop80j812s3wWPc
3kbw20X+fSP9k0hRBx5Ro1/tSUZufyyIxfQtnJcVPAPooTncaQwywa8W0yUR0J8
osicfeUUTVSVQpmowQTCd5zWS0TEeAqgJnwQ3DPP3Zr0UxJqyRwg2C/Uaoq2yT
zG5JQnWS+Jr6X16ysGHLHx+5fwmY6D36g39HaaEAcwEAA0CAYIwggF+MBIGA1Ud
EwEB/wQIMAYBA8CAQAAwHQYDVR00BBYEFHFSFgMbm93833s+9KTEqAx2+7c0XMB8G
A1UdIwQYMBAAFE4iVCAYLebjyUP+Vq5Eu0GF485MA4GA1UdDwEB/wQEAwIBhjAd
BgNVHSUEFjAUBggRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgRgR
CCsGAUQFBzABhhodHRw0i8vbn2nc5kaWdpY2VydC5jY2b2wQAYIKwYBBQUHMAK

```

```

NGh0dHA6Ly9jYWNlcnRzLmRpZ2ljZXJ0LmNvbS9EaWdpQ2VydEdsb2JhbFJvb3RHM15jcnQwQgYDR0fBDswOTA3oDwGm4YxaHR0cDovL2NybmMuZGlnaWNLcnQuY29tL0RpZ2lDZXJ0R2xvYmFsUm9vdEcyLmNybDA9BgnVHSAENjA0MAsgCwCGSAGG/WwCATAHBgVngQwBATAIBgZngQwBAGewCAYGZ4EMAQICMAgGBmeBDAECAzANBgkqhkiG9w0BAQsFAA0CAQEAkPFwyyiXaZd8dP3A+iZ7U6utzWX9upwGnIrXWk0H7U1MVL+twcW1BSAUwdH/SvWgKtiwLa3JLko716f2b4gp/DA/JIS7w7d7kwcsr4drdjPtAFV5s1me5LnQ89/nD+MS5EHKBCQRfz5eelJl1js+aWNIJXMX43AYGyZm0pGrFmCW3RbpD0ufovARTFXFZkAd19h6g4U5+LXUZtXMYnhIHUfoym05t558aI7Dd8KvwwVVo4chDYABPPThPbjc1qCmBaZx2vN4Ye5DUys/vZwP9BFohFrH/6j/f3IL16/RZkiMNCqVJUzKoZhm1Lesh3S28W2jmdv51b2EQJ8HmA==
-----END CERTIFICATE-----
2 s:C = US, 0 = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
i:C = US, 0 = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Aug 1 12:00:00 2013 GMT; NotAfter: Jan 15 12:00:00 2038 GMT
-----BEGIN CERTIFICATE-----
MIIDjjCCAnagAwIBAgIQAzrx5qcRqaC7KG5xHQ65TANBgkqhkiG9w0BAQsFADBhMQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaWNLcnQwQgsw5jMRkwFwYDVoQExB3d3cuZGlnaWNLcnQuY29tMSAwHgYDVQ0EXdEaWdpQ2VydCBHbG9iYWwUm9vdCBH
MjAeFw0xMzA4MDExMjAwMDBaFw0zODAxMTUxMjAwMDBaMGExCzAJBgNVBAYTALVT
MRUwEwYDVoQExEaWdpQ2VydCBHbG9iYWwUm9vdCBHbG9iYWwUm9vdCBHbG9i
b20xIDAeBgNVBAMTF0RpZ2lDZXJ0IEEdsb2JhbCBSb290IEcyMIIIBjANBgkqhkiG
9w0BAQEFAA0CAQ8AMIIBCgKCAQEAuzfNnN7a8myaJctSnX/RrohCgiN9RLUyfuI
2/0u8jQjKt65qsGGmvPrC3oXgkRRLpimn7Wo6h+4FR1IAWsuLecYxpsMNzaHxmx
1x7e/dfgy5SDN67sH0N03Xss0r0up5/kqbit0tS2pLYL6ZtrAGCSYP9PIUky92eQ
q2EGnI/yuum06ZiYa7XzV+hdG82MHauVBJVJ8zUtlLuNjbd134/tJS7sVQepj5Wz
tc07TG1F8PapsPluwtP1MVYwnSlcuFikDzX0S0xZKbgyMUNGPHgm+F6HmIcr9g+UQ

```



## HTTP Response Evidence

### IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	4.144.136.71
Connect Time	28.78 ms
TTFB	123.58 ms
Total Time	123.73 ms

#### Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Server: Microsoft-Azure-Application-Gateway/v2",
  "2": "Date: Fri, 03 Jul 2026 19:44:12 GMT",
  "3": "Content-Type: text/html",
  "4": "Content-Length: 195",
  "5": "Connection: keep-alive",
  "6": "Location: https://petronas.com",
  "8": "HTTP/1.1 301 Moved Permanently",
  "9": "Date: Fri, 03 Jul 2026 19:44:12 GMT",
  "10": "Content-Type: text/html; charset=iso-8859-1",
  "11": "Connection: keep-alive",
  "12": "Server: Apache",
  "13": "Strict-Transport-Security: max-age=31536000; includeSubDomains",
  "14": "X-Frame-Options: SAMEORIGIN",
  "15": "Location: https://www.petronas.com/",
  "17": "HTTP/1.1 200 OK",
  "18": "Date: Fri, 03 Jul 2026 19:44:12 GMT",
  "19": "Content-Type: text/html; charset=UTF-8",
  "20": "Connection: keep-alive",
  "21": "Server: Apache",
  "22": "Strict-Transport-Security: max-age=31536000; includeSubDomains",
  "23": "X-Frame-Options: SAMEORIGIN",
  "24": "Cache-Control: max-age=180, public",
  "25": "X-Drupal-Dynamic-Cache: HIT",
  "26": "X-UA-Compatible: IE=edge",
  "27": "Content-language: en",
  "28": "X-Content-Type-Options: nosniff",
  "29": "Permissions-Policy: interest-cohort=()",
  "30": "Expires: Sun, 19 Nov 1978 05:00:00 GMT",
  "31": "Vary: Cookie",
  "32": "X-Generator: Drupal 9 (https://www.drupal.org)",
  "33": "Content-Security-Policy: script-src 'self' 'unsafe-inline' 'unsafe-eval' blob: https://cdnjs.cloudflare.com/ https://www.youtube.com/ https://cdn.jsdelivr.net/ https://www.googletagmanager.com/ https://www.google-analytics.com/ https://app-script.monsido.com/ https://cdn-apac.onetrust.com/ https://u.heatmap.it/ https://cdn.yellowmessenger.com/ https://www.google.com/ https://www.gstatic.com/ https://static.elfsight.com/platform/platform.js https://elfsightcdn.com/platform.js https://www.petronas.com/608242b4-6b3e-4aff-8979-014519414d0c https://app-script.monsido.com/ https://static.elfsight.com/ https://api.swifttype.com/ https://geotargetly-api-1.com/ https://g10498469755.co/ https://code.jquery.com/; object-src 'none'; upgrade-insecure-requests",
  "34": "Strict-Transport-Security: max-age=31536000",
  "35": "Referrer-Policy: strict-origin-when-cross-origin",
  "36": "Feature-Policy: autoplay *, fullscreen *",
  "37": "X-Drupal-Cache: HIT",
  "38": "Last-Modified: Fri, 03 Jul 2026 13:43:18 GMT",
  "39": "ETag: \"1783086198\""
}
```

### IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	4.144.136.71
Connect Time	18.16 ms
TTFB	111.16 ms
Total Time	111.27 ms

#### Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Date: Fri, 03 Jul 2026 19:44:12 GMT",
  "2": "Content-Type: text/html; charset=iso-8859-1",
  "3": "Connection: keep-alive",
  "4": "Server: Apache",
  "5": "Strict-Transport-Security: max-age=31536000; includeSubDomains",
}
```

```

"6": "X-Frame-Options: SAMEORIGIN",
"7": "Location: https://www.petronas.com/",
"9": "HTTP/1.1 200 OK",
"10": "Date: Fri, 03 Jul 2026 19:44:12 GMT",
"11": "Content-Type: text/html; charset=UTF-8",
"12": "Connection: keep-alive",
"13": "Server: Apache",
"14": "Strict-Transport-Security: max-age=31536000; includeSubDomains",
"15": "X-Frame-Options: SAMEORIGIN",
"16": "Cache-Control: max-age=180, public",
"17": "X-Drupal-Dynamic-Cache: HIT",
"18": "X-UA-Compatible: IE=edge",
"19": "Content-language: en",
"20": "X-Content-Type-Options: nosniff",
"21": "Permissions-Policy: interest-cohort=()",
"22": "Expires: Sun, 19 Nov 1978 05:00:00 GMT",
"23": "Vary: Cookie",
"24": "X-Generator: Drupal 9 (https://www.drupal.org)",
"25": "Content-Security-Policy: script-src 'self' 'unsafe-inline' 'unsafe-eval' blob: https://cdnjs.cloudflare.com/ https://www.youtube.com/
https://cdn.jsdelivr.net/ https://www.googletagmanager.com/ https://www.google-analytics.com/ https://app-script.monsido.com/ https://cdn-apac.onetrust.com/
https://u.heatmap.it/ https://cdn.yellowmessenger.com/ https://www.google.com/ https://www.gstatic.com/ https://static.elfsight.com/platform/platform.js
https://elfsightcdn.com/platform.js https://www.petronas.com/608242b4-6b3e-4aff-8979-014519414d0c https://app-script.monsido.com/ https://static.elfsight.com/
https://api.swiftype.com/ https://geotargetly-api-1.com/ https://g10498469755.co/ https://code.jquery.com/; object-src 'none'; upgrade-insecure-requests",
"26": "Strict-Transport-Security: max-age=31536000",
"27": "Referrer-Policy: strict-origin-when-cross-origin",
"28": "Feature-Policy: autoplay *, fullscreen *",
"29": "X-Drupal-Cache: HIT",
"30": "Last-Modified: Fri, 03 Jul 2026 13:43:18 GMT",
"31": "ETag: \"1783086198\""
}

```

### Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.008043 0.015403
TCP Connect IPv4 → port 443	301 0.016085 0.056470

### 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

```