

IPv6 Readiness Report

misc.com.my — misc.com.my



Scan to verify

Category: Enterprise • Generated: 04 Jul 2026, 22:12 MYT • Last Checked: 04 Jul 2026, 03:45 MYT • Verification ID: 513f3094-7cd4-4af6-9b16-1d3261ebbf7f

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

Audit trail: <https://ipv6.my6.my/audit/513f3094-7cd4-4af6-9b16-1d3261ebbf7f>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>56%</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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<p>IPv6 ADDRESSES</p> <p>2603:1061:14:161::1</p>	<p>IPv4 ADDRESSES</p> <p>150.171.110.103</p>
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Web Services (35%) 6 / 8			
#	CHECK	RESULT	DETAIL
1	AAAA Record	PASS	2603:1061:14:161::1
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 — 1050ms TTFB.
5	IPv6-Only Reachability	FAIL	Site is not reachable when limited to IPv6-only.
6	TLS Certificate Valid (IPv6)	PASS	Certificate valid — issued by C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1, expires Sep 11 23:59:59 2026 GMT
7	Dual-Stack (IPv4 + IPv6)	PASS	Domain has both A and AAAA records.
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.
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.

#	CHECK	RESULT	DETAIL
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	150.171.110.103
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 1096ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 1048ms TTFB.

Audit Trail & Evidence Record

Verification ID	513f3094-7cd4-4af6-9b16-1d3261ebbf7f
Domain	misc.com.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:45:42 MYT
Finished	04 Jul 2026, 03:45:54 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/513f3094-7cd4-4af6-9b16-1d3261ebbf7f

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	a85811abb16c6b04597a95d0bb2cc3223489b98cde3eb984eb752c7661398c68
http_headers	419cf1c712e9371135aa4897f5e8955110a4c86b97c869ca4ec65b1fe0b35b56
dns_responses	cfad8f27e9cfc3e1a8c0a37fdc12b21067b7637657d203449b654eac638ee5f5
tls_handshake	c4078861c1bd7f5750237acba2919dbb6afd91c88afee666b060733fba13990a
connectivity_log	8e341e40c1844bbe49c5f44db689b1b7cd7e283c8a3a0039530077cd5831f004
dns_resolution_times	5b99a31769980d19aa989a7bd36d81078d645974758e7b36b97bad0e3f5ea052

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	21.78	22.42	23.28	24.07	+1.5
Google	IPv4	35.16	38.51	20.89	34.49	-14.3
Google	IPv6	25.14	25.16	26.38	34.94	+1.2
Cloudflare	IPv4	25.62	27.27	43.27	45.65	+17.7
Cloudflare	IPv6	28.03	37.92	24.64	25	-3.4

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 59874
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
misc.com.my. 3600 IN A 150.171.110.102
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 62984
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 2577 IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 31808
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
misc.com.my. 294 IN SOA ns1-04.azure-dns.com. azuredns-hostmaster.microsoft.com. 1 3600 300 2419200 300
```

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 32798
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
misc.com.my. 86400 IN NS miscns2.miscbhd.com.
misc.com.my. 86400 IN NS misc.miscbhd.com.
misc.com.my. 86400 IN NS ns1-04.azure-dns.com.
misc.com.my. 86400 IN NS ns2-04.azure-dns.net.
misc.com.my. 86400 IN NS ns3-04.azure-dns.org.
misc.com.my. 86400 IN NS ns4-04.azure-dns.info.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 40690
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
misc.com.my. 86400 IN TXT "An3MQe3THue72aErNV7KX4Rrkt6cSbHty7S+5t/08CY="
misc.com.my. 86400 IN TXT "facebook-domain-verification=br5y8l4h3uzo89awhvcbgv6ubv54e5"
misc.com.my. 86400 IN TXT "google-site-verification=po54uI0nZWRvYwwEIKNIImGE4sqUcy2UIisRP1Qdv2FE"
misc.com.my. 86400 IN TXT "q16qysvpvgv4kzby8pgr4pkhzhdr5b9"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 55835
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
misc.com.my. 294 IN SOA ns1-04.azure-dns.com. azuredns-hostmaster.microsoft.com. 1 3600 300 2419200 300
```

RRSIG

```
ns1-04.azure-dns.com. azuredns-hostmaster.microsoft.com. 1 3600 300 2419200 300
```

DNSKEY

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 64872
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
misc.com.my. 294 IN SOA ns1-04.azure-dns.com. azuredns-hostmaster.microsoft.com. 1 3600 300 2419200 300
```

DNSSEC_VALIDATION

```
; unsigned answer
misc.com.my. 3594 IN SOA ns1-04.azure-dns.com. azuredns-hostmaster.microsoft.com. 1 3600 300 2419200 300
```


TLS Handshake Evidence

IPV4 Connection

IP Used	150.171.110.103
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, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
verify return:1
depth=0 CN = misc.com.my
verify return:1
CONNECTED(00000010)
...
Certificate chain
 0 s:CN = misc.com.my
   i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
  a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
  v:NotBefore: Mar 11 00:00:00 2026 GMT; NotAfter: Sep 11 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
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nwtHMTZ1fd0t866YoEXg0xj5JWc7yXMLUXzrw==
-----END CERTIFICATE-----
1 s:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
   i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
  a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
  v:NotBefore: Nov 2 12:23:37 2017 GMT; NotAfter: Nov 2 12:23:37 2027 GMT
-----BEGIN CERTIFICATE-----
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```



```

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-----END CERTIFICATE-----
1 s:C = US, 0 = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
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: Nov 2 12:23:37 2017 GMT; NotAfter: Nov 2 12:23:37 2027 GMT
-----BEGIN CERTIFICATE-----
MIIEjTCCA3WgAwIBAgIQDQd4KHM/xvmLcbbHf/ReTANBgqhkiG9w0BAQsFADBh
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d3cuZGlnaWNLcn0uY29tMSAwHgYDVQDEdEaWdpQ2VydCBHbG9iYWwgUm9vdCBH
MjAeFw0xNzExMDIxMjIzMDZaFw0yNzExMDIxMjIzMDZaMGACzAJBgNVBAYTAUVT
MRUwEwYDVQQKEwEaWdpQ2VydCBJbMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5j
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7h4SeM6Y8L/7MBRpPCz6L8Y=
-----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-----
MIIDjjCCAnagAwIBAgIQAzrx5qcRqaC7KGSxH0n65TANBgqhkiG9w0BAQsFADBh
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q2EgnI/yuum06ZiYa7XzV+hdG82MHauVBjVJ8zUtluNjbd134/tJ57SsV0epj5Wz
tC07TG1F8PapsPuwTPIMVYwnSlcUfIKdzXOS0xZKBgyMUNGPHgm+F6HmIcr9g+UQ
vI0LcsRnKPZzFB09RnbDhxSJITRNrw9FDKZJobq7nMwM4MphQIDAQABo0IwQDAP
BgNVHRMBAf8EBTADAQH/MA4GA1UdDwEB/wQEAwIBhjAdBgNVHQ4EFgQUtIUIBiv
5uNu5g/6+rks7QYXjzkwDQYJKoZIhvcNAQELBQADggEBAGBnKJrvDkhj6zHd6mcY
1YL9PMWLSn/pvtsrF9+wX3N3KjIT0YFnQ0j8kVnNeyIv/iPsGEMNKSuIEyExtv4
NeF22d+mQrVHRAIGfzZ0JFrabA0UWTW98kndth/Jsw1HKj2ZL7tcu7XUI0GZX1NG

```


HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	200
Connected IP	172.67.71.75
Connect Time	26.74 ms
TTFB	1082.51 ms
Total Time	1082.63 ms

Response Headers:

```
{
  "0": "HTTP/1.1 307 Temporary Redirect",
  "1": "Date: Fri, 03 Jul 2026 19:45:52 GMT",
  "2": "Content-Type: text/html",
  "3": "Content-Length: 0",
  "4": "Connection: keep-alive",
  "5": "Location: https://misc.com.my/",
  "6": "x-azure-ref: 20260703T194552Z-15b69fcb4fc9c5cwhC1SG12gvw000001mh000000000k89",
  "7": "X-Cache: CONFIG_NOCACHE",
  "9": "HTTP/2 308",
  "10": "date: Fri, 03 Jul 2026 19:45:52 GMT",
  "11": "content-length: 0",
  "12": "location: https://www.miscgroup.com/",
  "13": "x-azure-ref: 20260703T194552Z-15b69fcb4fc9gkn5hC1SG132pn000001mkg0000000011wz",
  "14": "x-cache: CONFIG_NOCACHE",
  "16": "HTTP/2 200",
  "17": "date: Fri, 03 Jul 2026 19:45:53 GMT",
  "18": "content-type: text/html; charset=utf-8",
  "19": "server: cloudflare",
  "20": "set-cookie: .AspNetCore.Mvc.CookieTempDataProvider=CfDJ8GXcynzY679NvWsdboQrDkjtKSc7nV_xkvlIDn0eWsgdafvCqWyVneaHgmJhFstJD3GdWk6XoYGl0TwwQGLzvoRAvob-a7ScDhiwMa1-vt9rbzCz4ICMqL2qItXKw6IFUTLY_HppgyseQNBW4G3VdY; path=/; samesite=Lax; httponly",
  "21": "x-powered-by: ASP.NET",
  "22": "x-content-type-options: nosniff",
  "23": "strict-transport-security: max-age=31536000; includeSubDomains",
  "24": "cf-cache-status: DYNAMIC",
  "25": "speculation-rules: \"/cdn-cgi/speculation\"",
  "26": "report-to: {\n\"group\":\n\"cf-nel\",
  \"max_age\":604800,\n\"endpoints\":{\n\"url\":\n\"https://a.nel.cloudflare.com/report/v4?s=nGaCngRdqnl0QzqlpHyKqLl0lPhJTFlnaNL%2F3mpmQGAN2Lnhxr4XUB1s3TNFNTJVGbI3APtxPBg1WdyWfibr\",
  \"success_fraction\":0.0,\n\"max_age\":604800}},
  "27": "nel: {\n\"report_to\":\n\"cf-nel\",
  \"success_fraction\":0.0,\n\"max_age\":604800}},
  "28": "cf-ray: a158649db93d81ae-SIN",
  "29": "alt-svc: h3=\\:443\\; ma=86400"
}
```

IPv6 HTTP (port 80)

HTTP Status	307
Connected IP	2603:1061:14:161::1
Connect Time	8.06 ms
TTFB	18.71 ms
Total Time	19.92 ms
Error	Could not resolve host: misc.com.my

Response Headers:

```
[
  "HTTP/1.1 307 Temporary Redirect",
  "Date: Fri, 03 Jul 2026 19:45:51 GMT",
  "Content-Type: text/html",
  "Content-Length: 0",
  "Connection: keep-alive",
  "Location: https://misc.com.my/",
  "x-azure-ref: 20260703T194551Z-r176bc7d8cfjw6hphC1SG1q3cs0000000cv0000000003ba8",
  "X-Cache: CONFIG_NOCACHE"
]
```

IPv4 HTTPS (port 443)

HTTP Status	200
Connected IP	104.26.0.250

Connect Time	17.22 ms
TTFB	929.58 ms
Total Time	929.66 ms

Response Headers:

```
{
  "0": "HTTP/2 308",
  "1": "date: Fri, 03 Jul 2026 19:45:53 GMT",
  "2": "content-length: 0",
  "3": "location: https://www.miscgroup.com/",
  "4": "x-azure-ref: 20260703T194553Z-15b69fcb4fcsk5dzhC1SG1t56g0000000m7g00000000h7x",
  "5": "x-cache: CONFIG_NOCACHE",
  "7": "HTTP/2 200",
  "8": "date: Fri, 03 Jul 2026 19:45:54 GMT",
  "9": "content-type: text/html; charset=utf-8",
  "10": "server: cloudflare",
  "11": "set-cookie: .AspNetCore.Mvc.CookieTempDataProvider=CfDJ8GxcynzY679NvWsdBpoQrDlB4In2aSaJ0yZFUnJr8vB0U01Ss3srCeoj2-gKwmbEaF-Mcqrqk17PxtRoK6zRPj0gDFYANhKUGiINHRVsys-QxYM47y5Erm4fsIf00bkyK2Bx8nWNHZAABWhi452kxU; path=/; samesite=lax; httponly",
  "12": "x-powered-by: ASP.NET",
  "13": "x-content-type-options: nosniff",
  "14": "strict-transport-security: max-age=31536000; includeSubDomains",
  "15": "cf-cache-status: DYNAMIC",
  "16": "speculation-rules: \"/cdn-cgi/speculation\"",
  "17": "report-to: {\\"group\\":\\"cf-nel\\",\\"max_age\\":604800,\\"endpoints\\":[{\\"url\\":\\"https://a.nel.cloudflare.com/report/v4?s=h0TGBp0yQfRMw0iZiQC8%2BaM3Zc9AXzeb6vzH5Ma34WmwYory1FC9yKomt%2Fuv0hwTZ105%2BLWpfzYA8j\\":{\\"success_fraction\\":0.0,\\"max_age\\":604800}"}]}",
  "18": "nel: {\\"report_to\\":\\"cf-nel\\",\\"success_fraction\\":0.0,\\"max_age\\":604800}",
  "19": "cf-ray: a15864a45c994042-SIN",
  "20": "alt-svc: h3=\\":443\\":ma=86400"
}
```

IPv6 HTTPS (port 443)

HTTP Status	200
Connected IP	2606:4700:20::681a:1fa
Connect Time	18.73 ms
TTFB	1006.54 ms
Total Time	1006.63 ms

Response Headers:

```
{
  "0": "HTTP/2 308",
  "1": "date: Fri, 03 Jul 2026 19:45:51 GMT",
  "2": "content-length: 0",
  "3": "location: https://www.miscgroup.com/",
  "4": "x-azure-ref: 20260703T194551Z-r176bc7d8cf64k62hC1SG1zkc40000001w0000000054gg",
  "5": "x-cache: CONFIG_NOCACHE",
  "7": "HTTP/2 200",
  "8": "date: Fri, 03 Jul 2026 19:45:52 GMT",
  "9": "content-type: text/html; charset=utf-8",
  "10": "server: cloudflare",
  "11": "set-cookie: .AspNetCore.Mvc.CookieTempDataProvider=CfDJ8GxcynzY679NvWsdBpoQrDkZfL31yIcxJrxVb2-BS6mCv3qWw0hMd0_UK6M5cC5B491p7eov_I0QsaGvAKqD-PLmHgwYvTDxVRJlZjMnsAD8mHlRgiDwcrxjM2tcw8MNQDXeNRLPf693Tmm1JBZxk; path=/; samesite=lax; httponly",
  "12": "x-powered-by: ASP.NET",
  "13": "x-content-type-options: nosniff",
  "14": "strict-transport-security: max-age=31536000; includeSubDomains",
  "15": "cf-cache-status: DYNAMIC",
  "16": "speculation-rules: \"/cdn-cgi/speculation\"",
  "17": "report-to: {\\"group\\":\\"cf-nel\\",\\"max_age\\":604800,\\"endpoints\\":[{\\"url\\":\\"https://a.nel.cloudflare.com/report/v4?s=0mjtie2XN4bUeIC4pE%2FNfuE0IHKBr8ndHTzxD%2BHs8ZmtCIBbxMGim8cU81Rak5nG6HzgWnJMSziZISprD\\":{\\"success_fraction\\":0.0,\\"max_age\\":604800}"}]}",
  "18": "nel: {\\"report_to\\":\\"cf-nel\\",\\"success_fraction\\":0.0,\\"max_age\\":604800}",
  "19": "cf-ray: a15864975e5d8de2-SIN",
  "20": "alt-svc: h3=\\":443\\":ma=86400"
}
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	307 0.007430 0.015014
TCP Connect IPv6 → port 80	307 0.008516 0.017519
TCP Connect IPv4 → port 443	308 0.007010 0.042381
TCP Connect IPv6 → port 443	308 0.011805 0.049215

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
```