

IPv6 Readiness Report

pgmall.my — pgmall.my



Scan to verify

Category: E-commerce • Generated: 04 Jul 2026, 22:33 MYT • Last Checked: 04 Jul 2026, 03:42 MYT • Verification ID: 624fc53d-0f37-4d2d-90e7-a140e26559ac

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

Audit trail: <https://ipv6.my6.my/audit/624fc53d-0f37-4d2d-90e7-a140e26559ac>

<p>X</p> <p>Non-Compliant</p> <p>MGv6C-1.0</p>	<p>47%</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>IPv4 ADDRESSES</p> <p>52.163.231.212</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)	52.145.0.0/16

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	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: selector1_domainkey
7	DMARC Record	PASS	DMARC record found.

IPv4 Baseline (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	A Record	PASS	52.163.231.212
2	HTTP over IPv4	PASS	HTTP (port 80) responds over IPv4 — 45ms TTFB.
3	HTTPS over IPv4	PASS	HTTPS (port 443) responds over IPv4 — 27ms TTFB.

Audit Trail & Evidence Record

Verification ID	624fc53d-0f37-4d2d-90e7-a140e26559ac
Domain	pgmall.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:42:35 MYT
Finished	04 Jul 2026, 03:42:59 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/624fc53d-0f37-4d2d-90e7-a140e26559ac

Integrity Verification

✓ INTEGRITY VERIFIED	
Algorithm	hmac-sha256-v1
Root Hash	29c49f9818576a5497f2bc9b61a031d308c2fccadd2febdeb0728fe571e2746
http_headers	ef6b52fe5aa0e4cb532465713897be0056a5ac01055309fedf73da5ca3f6ec65
dns_responses	73aa0e974b895aa21f71f50fb3a8a28f97a85a05f7c4ec854aa3587069f37a7e
tls_handshake	8b27514bbfb068424e7c464901bce728745285afdc5a5025ce50262fbc169d
connectivity_log	0f39e316692fc233df0bc814e6b94e409e6ad572dbc22b55aae41c7ee9204461
dns_resolution_times	b1bfa3de3d837b19657dcf3fa1511f8c88bebbb804152620c3baf551c4dccc42

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	9.25	10.57	11.05	20.64	+1.8
Google	IPv4	20.53	33.62	16.61	19.93	-3.9
Google	IPv6	18.98	26.67	26.95	28.26	+8
Cloudflare	IPv4	12.49	22.44	24.77	24.8	+12.3
Cloudflare	IPv6	27.19	30.08	10.99	21.82	-16.2

DNS Evidence

A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 58423
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
pgmall.my. 3600 IN A 52.163.231.212
```

DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 34107
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
my. 2971 IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 34489
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

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

NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14530
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
pgmall.my. 3600 IN NS pdns2.ipserverone.com.
pgmall.my. 3600 IN NS pdns1.ipserverone.com.
```

TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 11063
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
pgmall.my. 3600 IN TXT "MS=ms14161303"
pgmall.my. 3600 IN TXT "v=spf1 include:spf.protection.outlook.com include:nczc.asia include:162568d39.spf2.netcorecloud.net include:mail.zendesk.com ~all"
pgmall.my. 3600 IN TXT "brevo-code:4d1e40678b1d0541f637bdd64ffa01b6"
pgmall.my. 3600 IN TXT "google-site-verification=m8AhjDif-otzEXd_uvLbLhbmLJXfXgJyHfRVDQ404ig"
```

AAAA

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 44415
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
pgmall.my. 3578 IN SOA pdns1.ipserverone.com. support.ipserverone.com. 2026041703 28800 7200 1209600 7200
```

RRSIG

```
pdns1.ipserverone.com. support.ipserverone.com. 2026041703 28800 7200 1209600 7200
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 55445
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
pgmall.my. 3578 IN SOA pdns1.ipserverone.com. support.ipserverone.com. 2026041703 28800 7200 1209600 7200
```

DNSSEC_VALIDATION

```
; unsigned answer
pgmall.my. 3578 IN SOA pdns1.ipserverone.com. support.ipserverone.com. 2026041703 28800 7200 1209600 7200
```



```

VAYDVR0fBE0wSzBjOeEgRYZDaHR0cDovL2Nybc5zZWNoawdvLmNvbS9TZWN0awdv
UHVibGljU2VydmyQXV0aGVudGllYXRpb255b290UjQ2LmNybDcBhAYIKwYBBQUH
AQEEeDB2ME8GCCsGAQUFBzACHkNodHRwOi8vY3J0LnNlY3RpZ28uY29tL1NlY3Rp
Z290dWJsaWNTZXJ2ZXJBR0Zw50aWNoZGlvdjV3b3RSNDYucDdjMCMGCSGAQUF
BzABhdodHRwOi8vbn2zc5zZWNoawdvLmNvbTANBgkqhkiG9w0BAQwFAAOCAGEA
Yt0C9Fy+TqECFw40IospI92klGgoSZGP0S0XMBqmsGWZUQ7rux7cj1du6d9rd6C8
ze1B2eQjkrGkIL/0F1s7vSmgYVafsRoZd/IHUrkoQvX8FZwJsmPu7amgBfaY3g+d
q1x0jNGKb6I6Bzdl6LgMD9qxp+3i7GQ0nd9J8LFSietY6Z4jUBzVo0oz8iAU840F
h2HhAuiPw1ai0VnY38RTI+8kepGWfGxfBwzWH9uIjeooIeaosVFvE8cmYUB4TSH
5dUyD0jHct2+8ceKEtIoFU/FfHq/mDaVnvcDCZxtIgitdMFQdMZAvehm0byhrDD
4NQCs0gaI9AagFj4L90tkARzhQLNyRf87Kln+YU0lgCG9HLg3rG08q+Y4pplS0d
unQZ6ZxPNGIf0ApbPVf5hCe58EZwiWdHIMn9LPP6+F404y8NNugbQixBber+x536
WrZhFZLjEkhp7fFXf9r32rNPFb74X/U90Bdy4Lzpz+X1ukh1BuMxA/EEhDoT0S3L
7ABvc7BYSubQ24900cdkiZUh3ZwDrakMVrbaTxUM2p24N6d+ns2zptWCva6jzW
r8IWKIMzxLPv5Kt3ePKcUdvkBU/smqjSczTzSjIoR5QQA6lN1ZRSnuHIWCvh
JELtkYnTAH41QJ6SAW066GrrUESwN/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:PKKEY: 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/u8HeNZ55Fq1hSVhgmcQwDQYJKoZIhvcNAQEMBOAQ
gYgxCzAJBgNVBAYTALVTMRMwEQYDVQIEwP0ZXcgSmVyc2V5MRQwEgYDVQHEwtK
ZXJzZXkgQ2l0eTEeMBwGA1UEChMVVGVhIHFVTRVJUUVlVTVCB0ZXR3b3JrMS4wLWY0
VQ0DEyVU0VSU0VHJ1c3Q0U1NBIEIENlcnRpZmljYXRpb24gQXV0aG9yaXR5X5MB4XD0TIX
MDMyMjYwMDAwMFoXD0TMDExODIzNTk1OVowXzELMAKGA1UEBhMCR0IXGDABGbnV

```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	403
Connected IP	52.163.231.212
Connect Time	20.52 ms
TTFB	48.11 ms
Total Time	48.2 ms

Response Headers:

```
{
  "0": "HTTP/1.1 301 Moved Permanently",
  "1": "Server: Microsoft-Azure-Application-Gateway/v2",
  "2": "Date: Fri, 03 Jul 2026 19:42:59 GMT",
  "3": "Content-Type: text/html",
  "4": "Content-Length: 195",
  "5": "Connection: keep-alive",
  "6": "Location: https://pgmall.my/",
  "8": "HTTP/2 403",
  "9": "server: Microsoft-Azure-Application-Gateway/v2",
  "10": "date: Fri, 03 Jul 2026 19:42:59 GMT",
  "11": "content-type: text/html",
  "12": "content-length: 179"
}
```

IPv4 HTTPS (port 443)

HTTP Status	403
Connected IP	52.163.231.212
Connect Time	8.21 ms
TTFB	27.09 ms
Total Time	27.12 ms

Response Headers:

```
[
  "HTTP/2 403",
  "server: Microsoft-Azure-Application-Gateway/v2",
  "date: Fri, 03 Jul 2026 19:42:59 GMT",
  "content-type: text/html",
  "content-length: 179"
]
```

Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.008243 0.016645
TCP Connect IPv4 → port 443	200 0.008184 0.040969

Test Node Network Evidence

Node Profile	dual stack
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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
```