IPv6 Readiness Report

kakao.com — kakao.com

Scan to verify

Category: Social Media • Generated: 02 Nov 2026, 03:13 MYT • Last Checked: 08 Aug 2026, 18:20 MYT • Verification ID: 2bc4dfb0-c8e0-47fe-a0ee-149601a2e2ae
Report generated from National IPv6 Readiness Monitor — https://ipv6.my6.my
Audit trail: https://ipv6.my6.my/audit/2bc4dfb0-c8e0-47fe-a0ee-149601a2e2ae

✗
Non-Compliant
MGv6C-1.0

28%
No IPv6 Support

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

IPV4 ADDRESSES
211.249.251.46
211.242.11.41
121.53.93.60

Network Information (WHOIS / RDAP)

	IPv4 Network
Organization	DREAMX-KR
Country	KR
ASN	AS7625
ASN Name	DAUM-AS-KR - Kakao Corp, KR
Network (CIDR)	211.249.0.0/16

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%) 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**	FAIL	No DS record at parent.

#	CHECK	RESULT	DETAIL
7	**RRSIG Valid**	FAIL	No valid RRSIG found.
8	**Signing Algorithm**	INFO	No DNSKEY record found.

Email Services (25%) — 3 / 6

#	CHECK	RESULT	DETAIL
1	**MX Record Exists**	PASS	MX record found.
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**	PASS	SPF record found.
6	**DKIM Selector**	INFO	DKIM selector found: default._domainkey
7	**DMARC Record**	PASS	DMARC record found.

IPv4 Baseline (15%) — 3 / 3

#	CHECK	RESULT	DETAIL
1	**A Record**	PASS	211.249.251.46, 211.242.11.41, 121.53.93.60
2	**HTTP over IPv4**	PASS	HTTP (port 80) responds over IPv4.
3	**HTTPS over IPv4**	PASS	HTTPS (port 443) responds over IPv4.

Audit Trail & Evidence Record

Verification ID	2bc4dfb0-c8e0-47fe-a0ee-149601a2e2ae
Domain	kakao.com
Check Mode	Manual
Status	Completed
Started	08 Aug 2026, 18:20:28 MYT
Finished	08 Aug 2026, 18:20:36 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/2bc4dfb0-c8e0-47fe-a0ee-149601a2e2ae

Integrity Verification

✓ **INTEGRITY VERIFIED**

Algorithm	hmac-sha256-v1
Root Hash	24ccf264d0072ec4148d4940697c6249cbbaf2db2605193db6c1a7faeccaa03c
http_headers	6810732c38245c481091dcf66ca399cbf1159510a1e638ce7a71ca805be6cfb9
dns_responses	500b11d4fb3ee5da65fa8aae6751fafc2683e4a4ece60659350c5d7018eeb99a
tls_handshake	9665e8249b69f494501a649da90238c07216688d75f70ac532caebc3e32df74f
connectivity_log	edd4550d8281444fbfd16f75b38fabcb1eb2b6c4b4c590e59640b6968f988ca5
dns_resolution_times	89e36e21e3c6312afaa7efe902e1d3d377722db4a8b2dc96968f53db4b5c5fb2

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	24.89	40.73	23.94	34.63	-0.9
Google	IPv4	87.97	98.6	67.1	86.99	-20.9
Google	IPv6	255.74	258.37	146.52	261.98	-109.2
Cloudflare	IPv4	24.55	25.99	24.94	25.68	+0.4
Cloudflare	IPv6	32.73	51.66	30.19	30.48	-2.5

DNS Evidence

A

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 15078
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
kakao.com.□□600□IN□A□121.53.93.60
kakao.com.□□600□IN□A□211.242.11.41
kakao.com.□□600□IN□A□211.249.251.46
```

DS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 37958
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.□□□895□IN□SOA□a.gtld-servers.net. nstld.verisign-grs.com. 1786184404 1800 900 604800 900
```

MX

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 64007
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
kakao.com.□□600□IN□MX□10 mx4.kakao.com.
kakao.com.□□600□IN□MX□10 mx3.kakao.com.
kakao.com.□□600□IN□MX□10 mx1.kakao.com.
kakao.com.□□600□IN□MX□10 mx2.kakao.com.
```

NS

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 40074
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 3

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
kakao.com.□□600□IN□NS□ns1.kakao.com.
kakao.com.□□600□IN□NS□ns2.kakao.com.
```

TXT

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 2451
;; flags: qr rd ra; QUERY: 1, ANSWER: 7, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
kakao.com.□□600□IN□TXT□"google-site-verification=rk_MxsjBvzXTt_F1ZI6877Z3V2dAH3B1BMc7bmdcWng"
kakao.com.□□600□IN□TXT□"v=spf1 ip4:103.246.58.76 ip4:103.246.58.77 ip4:103.246.58.78 ip4:103.246.58.79 ip4:103.246.58.61 ip4:103.246.58.62 ip4:103.246.58.63
ip4:103.246.58.64 ip4:103.246.58.65 include:_spf.daum.net include:_spf.kakao.com ~all"
kakao.com.□□600□IN□TXT□"google-site-verification=OVqf3b_fME-xxHijfDRV8CIZmbAbauZlS97ScYKYy7I"
kakao.com.□□600□IN□TXT□"rovag_verification_token=D6FFB92C646749648E94FA00D3D0584D"
kakao.com.□□600□IN□TXT□"google-site-verification=WO3BhsNNCPrfc_jvi4eOZoqNPaY2rw1o95tmtXUXXG8"
kakao.com.□□600□IN□TXT□"google-site-verification=Qljvs5WkxGiGJL4EzIB-BmmzJ9aOivVkrm0PrmWSZss"
kakao.com.□□600□IN□TXT□"google-site-verification=puTbVVviI88yMTQf88LO_8L9y2pdlP6bI98p3qO0XdA"
```

AAAA

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 12510
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

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

```
;; AUTHORITY SECTION:
kakao.com.□□298□IN□SOA□ns.kakaocorp.com. root.kakaocorp.com. 1669035311 1800 600 2419200 300
```

RRSIG

```
ns.kakaocorp.com. root.kakaocorp.com. 1669035311 1800 600 2419200 300
```

DNSKEY

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 61190
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
kakao.com.□□297□IN□SOA□ns.kakaocorp.com. root.kakaocorp.com. 1669035311 1800 600 2419200 300
```

DNSSEC_VALIDATION

```
; unsigned answer
kakao.com.□□597□IN□SOA□ns.kakaocorp.com. root.kakaocorp.com. 1669035311 1800 600 2419200 300
```

TLS Handshake Evidence

IPV4 Connection

IP Used	211.249.251.46
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 = Thawte TLS RSA CA G1
verify return:1
depth=0 C = KR, ST = Jeju-do, L = Jeju-si, O = Kakao Corp., CN = *.kakao.com
verify return:1
CONNECTED(00000010)
---
Certificate chain
 0 s:C = KR, ST = Jeju-do, L = Jeju-si, O = Kakao Corp., CN = *.kakao.com
   i:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = Thawte TLS RSA CA G1
   a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA384
   v:NotBefore: Sep  1 00:00:00 2025 GMT; NotAfter: Sep 29 23:59:59 2026 GMT
-----BEGIN CERTIFICATE-----
MIIGXDCCBUSgAwIBAgIQDc6L2uQtXoUdG2prQtW4QTANBgkqhkiG9w0BAQwFADBe
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMR0wGwYDVQQDExRUaGF3dGUgVExTIFJTQSBDQSBHMTAe
Fw0yNTA5MDEwMDAwMDBaFw0yNjA5MjkyMzU5NTlaMF0xCzAJBgNVBAYTAktSMRAw
DgYDVQQIEwdKZWp1LWRvMRAwDgYDVQQHEwdKZWp1LXNpMRQwEgYDVQQKEwtLYWth
byBDb3JwLjEUMBIGA1UEAwwLKi5rYWthby5jb20wggEiMA0GCSqGSIb3DQEBAQUA
A4IBDwAwggEKAoIBAQDJ4Qpj/3NM1CYxYJsqKV70ZvvQu1fUaYvdSisWrr35Crml
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8Dh7ST9Ja0zNJAlHHBgHMRFn2CARjomUK2RG9xUWd8HtP0m2oR21AGajEr8AUVSU
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HSMEGDAWgBSljP4yzOsPLNQZxgi4ACSIXcPFtzAdBgNVHQ4EFgQUTGToyVyYp9ir
Pndw6iUrt3b8EAAwIQYDVR0RBBowGIILKi5rYWthby5jb22CCWtha2FvLmNvbTA+
BgNVHSAENzA1MDMGBmeBDAECAjApMCcGCCsGAQUFBwIBFhtodHRwOi8vd3d3LmRp
Z2ljZXJ0LmNvbS9DUFMwDgYDVR0PAQH/BAQDAgWgMB0GA1UdJQQWMBQGCCsGAQUF
BwMBBggrBgEFBQcDAjA7BgNVHR8ENDAyMDCgLqAshipodHRwOi8vY2RwLnRoYXd0
ZS5jb20vVGhhd3RlVExTUlNBQ0FHMS5jcmwwcAYIKwYBBQUHAQEEZDBiMCQGCCsG
AQUFBzABhhhodHRwOi8vc3RhdHVzLnRoYXd0ZS5jb20wOgYIKwYBBQUHMAKGLmh0
dHA6Ly9jYWNlcnRzLnRoYXd0ZS5jb20vVGhhd3RlVExTUlNBQ0FHMS5jcnQwDAYD
VR0TAQH/BAIwADCCAX4GCisGAQQB1nkCBAIEggFuBIIBagFoAHcA1219ENGn9XfC
x+lf1wC/+YLJM1pl4dCzAXMXwMjFaXcAAAGZA8l8oAAABAMASDBGAiEAgnkhT2Ii
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uol3abpn6xgbOom8rAB2AMIxfldFGaNF7n843rKQQevHwiFaIr9/1bWtdprZDlLN
AAABmQPJfF4AAAQDAEcwRQIgCHfdDZwlLXqluN9yUmSQLpQ1Tys5ykUUHW9LRS4j
WJACIQDvNg+bK8hKZI9l6yhMtaayOLn7VXbTWuEyoPV00tvVSgB1AJROQ4f67MHv
gfMZJCaoGGUBx9NfOAIBP3JnfVU3LhnYAAABmQPJfG0AAAQDAEYwRAIgTN6h6iYj
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RbVNMFbJxo+7Sqs4OKd7xdGW4SZWqB6FrKiUSQDtjtgtn5gZwSGEbPGGaheyPCV4
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7NgpFzd0+2iwAx59o/JJ/sxPGgvrooXsEV5Pd7E/COhHs6r0biK/zh32DT78fzYz
Yd7HpBL/v2VwaZ+xMPypSPTR+ODg3wVnc8zm1GVVsGJUB2xUpnVaIV7i4ah1pZ7J
-----END CERTIFICATE-----
 1 s:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = Thawte TLS RSA CA G1
   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: Nov  2 12:24:25 2017 GMT; NotAfter: Nov  2 12:24:25 2027 GMT
-----BEGIN CERTIFICATE-----
MIIEizCCA3OgAwIBAgIQCQ7oxd5b+mLSri/3CXxIVzANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBH
MjAeFw0xNzExMDIxMjI0MjVaFw0yNzExMDIxMjI0MjVaMF4xCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5j
b20xHTAbBgNVBAMTFFRoYXd0ZSBUTFMgUlNBIENBIEcxMIIBIjANBgkqhkiG9w0B
AQEFAAOCAQ8AMIIBCgKCAQEAxjngmPhVetC0b/ozbYJdzOBUA1sMog47030cAP+P
23ANUN8grXECL8NhDEF4F1R9tL0wY0mczHaR0a7lYanlxtwWo1s2uGnnyDs6mOCs
66ew2w3YETr6Tb14xgjpu1gGFtAeewaikO9Fud8hxGJTSwn8xeNkfKVWpD2L4vFN
36FNgxeilK6aE4ykgGAzNlokTp6hNOLAYpDySdLAPKzuJSQ7JCEZ6O+SDKywIdXL
oMTnpxuBKGSG88NWTo3CHCOGmQECia2yqdPDjgLqnEiYNjwQL8uMqj8rOvlMgviB
cHA7xty+7/uYLN6ZS7Vq1/F/lVhVOf5ej6jZdmB85szFbQIDAQABo4IBQDCCATww
HQYDVR0OBBYEFKWM/jLM6w8s1BnGCLgAJIhdw8W3MB8GA1UdIwQYMBaAFE4iVCAY
lebjbuYP+vq5Eu0GF485MA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBggrBgEF
BQcDAQYIKwYBBQUHAwIwEgYDVR0TAQH/BAgwBgEB/wIBADA0BggrBgEFBQcBAQQo
MCYwJAYIKwYBBQUHMAGGGGh0dHA6Ly9vY3NwLmRpZ2ljZXJ0LmNvbTBCBgNVHR8E
OzA5MDegNaAzhjFodHRwOi8vY3JsMy5kaWdpY2VydC5jb20vRGlnaUNlcnRHbG9i
YWxSb290RzIuY3JsMD0GA1UdIAQ2MDQwMgYEVR0gADAqMCgGCCsGAQUFBwIBFhxo
dHRwczovL3d3dy5kaWdpY2VydC5jb20vQ1BTMA0GCSqGSIb3DQEBCwUAA4IBAQC6
```

```
km0KA4sTb2VYpEBm/uL2HL/pZX9B7L/hbJ4NcoBe7V56oCnt7aeIo8sMjCRWTCWZ
D1dY0+2KZOC1dKj8d1VXXAtnjytDDuPPf6/iow0mYQTO/GAg/MLyL6CDm3FzDB8V
tsH/aeMgP6pgD1XQqz+haDnfnJTKBuxhcpnx3Adbleue/QnPf1hHYa8L+Rv8Pi5U
h4V9FwHOfphdMXOxi14OqmsiTbc5cOs9/uukH+YVsuFdWTna6IVw1qh+tEtyH16R
vmi7pkqyZYULOPMIE7avrljVVBZuikwARtY8tCVV6Pp9l3VeagBqb2ffgqNJt3C0
TYNYQI+BXG1R1cABlold
-----END CERTIFICATE-----
 2 s:C = US, O = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
   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: Aug  1 12:00:00 2013 GMT; NotAfter: Jan 15 12:00:00 2038 GMT
-----BEGIN CERTIFICATE-----
MIIDjjCCAnagAwIBAgIQAzrx5qcRqaC7KGSxHQn65TANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBH
MjAeFw0xMzA4MDExMjAwMDBaFw0zODAxMTUxMjAwMDBaMGExCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5j
b20xIDAeBgNVBAMTF0RpZ2lDZXJ0IEdsb2JhbCBSb290IEcyMIIBIjANBgkqhkiG
9w0BAQEFAAOCAQ8AMIIBCgKCAQEAuzfNNNx7a8myaJCtSnX/RrohCgiN9RlUyfuI
2/Ou8jqJkTx65qsGGmvPrC3oXgkkRLpimn7Wo6h+4FR1IAWsULecYxpsMNzaHxmx
1x7e/dfgy5SDN67sH0NO3Xss0r0upS/kqbitOtSZpLYl6ZtrAGCSYP9PIUkY92eQ
q2EGnI/yuum06ZIya7XzV+hdG82MHauVBJVJ8zUtluNJbd134/tJS7SsVQepj5Wz
tCO7TG1F8PapspUwtP1MVYwnSlcUfIKdzXOS0xZKBgyMUNGPHgm+F6HmIcr9g+UQ
vIOlCsRnKPZzFBQ9RnbDhxSJITRNrw9FDKZJobq7nMWxM4MphQIDAQABo0IwQDAP
BgNVHRMBAf8EBTADAQH/MA4GA1UdDwEB/wQEAwIBhjAdBgNVHQ4EFgQUTiJUIBiV
5uNu5g/6+rkS7QYXjzkwDQYJKoZIhvcNAQELBQADggEBAGBnKJRvDkhj6zHd6mcY
1Yl9PMWLSn/pvtsrF9+wX3N3KjITOYFnQoQj8kVnNeyIv/iPsGEMNKSuIEyExtv4
```

HTTP Response Evidence

IPv4 HTTP (port 80)

HTTP Status	302
Connected IP	211.249.251.46
Connect Time	85.83 ms
TTFB	436.15 ms
Total Time	436.41 ms
Error	Maximum (3) redirects followed

Response Headers:


```
{
    "0": "HTTP/1.1 302",
    "1": "Date: Sat, 08 Aug 2026 10:20:35 GMT",
    "2": "Connection: keep-alive",
    "3": "Location: /error/500",
    "4": "Content-Language: ko",
    "5": "Cache-Control: no-cache,must-revalidate",
    "7": "HTTP/1.1 302",
    "8": "Date: Sat, 08 Aug 2026 10:20:35 GMT",
    "9": "Connection: keep-alive",
    "10": "Location: /error/500",
    "11": "Content-Language: ko",
    "12": "Cache-Control: no-cache,must-revalidate",
    "14": "HTTP/1.1 302",
    "15": "Date: Sat, 08 Aug 2026 10:20:35 GMT",
    "16": "Connection: keep-alive",
    "17": "Location: /error/500",
    "18": "Content-Language: ko",
    "19": "Cache-Control: no-cache,must-revalidate",
    "21": "HTTP/1.1 302",
    "22": "Date: Sat, 08 Aug 2026 10:20:35 GMT",
    "23": "Connection: keep-alive",
    "24": "Location: /error/500",
    "25": "Content-Language: ko",
    "26": "Cache-Control: no-cache,must-revalidate"
}
```


IPv4 HTTPS (port 443)

HTTP Status	302
Connected IP	211.249.251.46
Connect Time	88.44 ms
TTFB	541.49 ms
Total Time	541.69 ms
Error	Maximum (3) redirects followed

Response Headers:


```
{
    "0": "HTTP/2 302",
    "1": "date: Sat, 08 Aug 2026 10:20:35 GMT",
    "2": "location: /error/500",
    "3": "content-language: ko",
    "4": "strict-transport-security: max-age=31536000",
    "5": "cache-control: no-cache,must-revalidate",
    "7": "HTTP/2 302",
    "8": "date: Sat, 08 Aug 2026 10:20:35 GMT",
    "9": "location: /error/500",
    "10": "content-language: ko",
    "11": "strict-transport-security: max-age=31536000",
    "12": "cache-control: no-cache,must-revalidate",
    "14": "HTTP/2 302",
    "15": "date: Sat, 08 Aug 2026 10:20:35 GMT",
    "16": "location: /error/500",
    "17": "content-language: ko",
    "18": "strict-transport-security: max-age=31536000",
    "19": "cache-control: no-cache,must-revalidate",
    "21": "HTTP/2 302",
    "22": "date: Sat, 08 Aug 2026 10:20:35 GMT",
```

```
    "23": "location: /error/500",
    "24": "content-language: ko",
    "25": "strict-transport-security: max-age=31536000",
    "26": "cache-control: no-cache,must-revalidate"
}
```


Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	302 0.085733 0.172543
TCP Connect IPv4 → port 443	302 0.089358 0.277790

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
```