

# IPv6 Readiness Report

vk.com — vk.com



Scan to verify

Category: Social Media • Generated: 04 Jul 2026, 22:59 MYT • Last Checked: 04 Jul 2026, 03:26 MYT • Verification ID: 3cf3e1dc-a9d0-467f-ac7e-11210175506c

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

Audit trail: <https://ipv6.my6.my/audit/3cf3e1dc-a9d0-467f-ac7e-11210175506c>

<p><b>X</b></p> <p><b>Non-Compliant</b></p> <p>MGv6C-1.0</p>	<p><b>33%</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>X Not Ready</b></p> <p>Email: <b>X Not Ready</b></p>
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IPv4 ADDRESSES
87.240.132.67
87.240.129.133
87.240.132.72
87.240.137.164
93.186.225.194
87.240.132.78

## Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	VKCOMPANY-MNT
Country	RU
ASN	AS47541
ASN Name	VKONTAKTE-SPB-AS - LLC VK, RU
Network (CIDR)	87.240.128.0/19

Web Services (35%) <span style="float: right;">0 / 8</span>			
#	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%) <span style="float: right;">1 / 5</span>			
#	CHECK	RESULT	DETAIL
1	NS Has AAAA Record	PASS	Nameserver has IPv6 address.
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.

#	CHECK	RESULT	DETAIL
5	<b>Reverse DNS (PTR)</b>	<b>FAIL</b>	No PTR record found.
6	<b>DS Record at Parent</b>	<b>FAIL</b>	No DS record at parent.
7	<b>RRSIG Valid</b>	<b>FAIL</b>	No valid RRSIG found.
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: mail_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>	87.240.132.67, 87.240.129.133, 87.240.132.72, 87.240.137.164, 93.186.225.194, 87.240.132.78
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 408ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 603ms TTFB.

### Audit Trail & Evidence Record

Verification ID	3cf3e1dc-a9d0-467f-ac7e-11210175506c
Domain	vk.com
Check Mode	Scheduled
Status	Completed
Started	04 Jul 2026, 03:25:35 MYT
Finished	04 Jul 2026, 03:26:21 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/3cf3e1dc-a9d0-467f-ac7e-11210175506c

### Integrity Verification

<b>✓ INTEGRITY VERIFIED</b>	
Algorithm	hmac-sha256-v1
Root Hash	e2c703e58c382824c357ea09d95caddb7678cf3330d411c26a83ad2a5de994db6
http_headers	ba4fe5a6e1bcf4fe6b15a3f44e08734ac87c4be02c21cf731306dccf56379044
dns_responses	285e8008112f19e1fa83a9773b6cca43772a4ab17322d4634933c77df418bd2e
tls_handshake	848300321aba28b0c19451baa572276822af61fcf54a6ff6ad890510bbce62c3
connectivity_log	dea7d1124ee7d3cd1254a1420c49cf0e473e416bebbd551f400903d52f63af29
dns_resolution_times	d8ec70eb761aa08dcfd8d45c6ad7bc5542ff5bcf7cb651de2365e2c20a390719

### 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	22.39	29.26	18.9	22.5	-3.5
Google	IPv4	20.3	22.21	9.78	19.75	-10.5
Google	IPv6	21.94	22.07	18.8	21.15	-3.1
Cloudflare	IPv4	10	17.8	20.87	20.87	+10.9
Cloudflare	IPv6	27.76	27.84	22.6	30.55	-5.2



## DNS Evidence

### A

```
;; communications error to 127.0.0.1#5335: timed out
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 57929
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
vk.com. 00089800INQAA087.240.137.164
vk.com. 00089800INQAA087.240.132.67
vk.com. 00089800INQAA093.186.225.194
vk.com. 00089800INQAA087.240.129.133
vk.com. 00089800INQAA087.240.132.78
vk.com. 00089800INQAA087.240.132.72
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 2082
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com. 00089100INQSOAAa.gtld-servers.net. nstld.verisign-grs.com. 1783106741 1800 900 604800 900
```

### MX

```
;; communications error to 127.0.0.1#5335: timed out
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 45234
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
vk.com. 00089700INQMX00 mxs.mail.ru.
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 62279
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 9

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
vk.com. 00090000INQNS0ns2.vk.com.
vk.com. 00090000INQNS0ns3.vk.com.
vk.com. 00090000INQNS0ns4.vk.com.
vk.com. 00090000INQNS0ns1.vk.com.
```

### TXT

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 61938
;; flags: qr rd ra; QUERY: 1, ANSWER: 11, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
vk.com. 00090000INQTXT0"v=spf1 ip4:93.186.224.0/20 ip4:87.240.128.0/18 i" "p4:95.142.192.0/21 mx include:_spf.google.com in" "clude:_spf.mail.ru ~all"
vk.com. 00090000INQTXT0"HARICA-fLc90EonBmci43ogW3C"
vk.com. 00090000INQTXT0"google-site-verification=bQE45QUYC7KTvk4XCaMdwF0e_tj-0-6ZMXfXW2a8mHY"
vk.com. 00090000INQTXT0"HARICA-A1PCCe7rY17J2K2Ifov"
vk.com. 00090000INQTXT0"yandex-verification: 0bb3aeafaf40a3fa"
vk.com. 00090000INQTXT0"_globalsign-domain-verification=YM9xQ7VIOTNzoxGpxAE1kwy28sLNTGWxfLmZgt73D9"
vk.com. 00090000INQTXT0"LD6VaYCKete4UB5FIx7snCoJ8btlnGdeCWe4my5HH5psRaTl" "zAmvc"
vk.com. 00090000INQTXT0"wmail-verification: 646ff42e916a2be1aa86be6d3c742949"
vk.com. 00090000INQTXT0"_globalsign-domain-verification=yIHjPiraw7292KzmmD0An_Hbhu0agFIXRGHf_3WH4"
vk.com. 00090000INQTXT0"_globalsign-domain-verification=aXxk884iIZmgR50N_CbluBYfK4GyZLo08hLo293AHC"
vk.com. 00090000INQTXT0"_globalsign-domain-verification=3qRKI9FWh1UX5CIN5FXwL6S3nSKkJzaDkVqSPaxdfc"
```

**AAAA**

```
;; communications error to 127.0.0.1#5335: timed out
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 42212
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
vk.com. 884 IN SOA ns1.vkontakte.ru. ncc.vk.com. 3574195672 900 600 604800 900
```

**RRSIG**

```
ns1.vkontakte.ru. ncc.vk.com. 3574195672 900 600 604800 900
```

**DNSKEY**

```
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 35732
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
vk.com. 879 IN SOA ns1.vkontakte.ru. ncc.vk.com. 3574195672 900 600 604800 900
```

**DNSSEC\_VALIDATION**

```
; unsigned answer
vk.com. 878 IN SOA ns1.vkontakte.ru. ncc.vk.com. 3574195672 900 600 604800 900
```



TLS Handshake Evidence

IPV4 Connection

IP Used	87.240.132.67
IP Version	4

```
depth=2 C = GR, O = Hellenic Academic and Research Institutions CA, CN = HARICA TLS RSA Root CA 2021
verify return:1
depth=1 C = GR, O = Hellenic Academic and Research Institutions CA, CN = HARICA DV TLS RSA
verify return:1
depth=0 CN = *.vk.com
verify return:1
CONNECTED(00000010)
---
Certificate chain
0 s:CN = *.vk.com
i:C = GR, O = Hellenic Academic and Research Institutions CA, CN = HARICA DV TLS RSA
a:PKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Jun 16 09:34:18 2026 GMT; NotAfter: Jan 1 09:34:17 2027 GMT
-----BEGIN CERTIFICATE-----
MIINDCCBhygAwIBAgIQLXjgR1MQLpv5lio/Bh7EazANBgkqhkiG9w0BAQsFADBi
MQswCQYDVQQGEwJHUjE3MDUGA1UECgwuSUVsbG9wVuaWgQWVtawMgYyW5kIFJl
c2VhcnNoIEluc3RpdHV0aW9ucyBDQTEaMBgGA1UEAwwRSEFSSUNBIERWIFRmYyBS
U0EwHhcNMjYwNjE2MDkzNDU4WbcwMTAxMDkzNDU3WjATMREwDwYDVQDDAqL
LnZrLmNvbTCCASiWdQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAGK6IC0gfsyX
LsdqzUcaqvN4Cikdu3Y4ApagqiFVSV86a0j8gNx6NMnbpur2CYjs4XXrcSiLugW
eO NPAEJ0e99cdg0jvELNsN9DH3yH7GMkHUNJgogmv24Zn7zoYgNtpPEaUxNwplkeI
eLTP2/HVcdj/r+AsgoCnKkeVuHe0fvR1JUDQpDVIC7qqr4dth1Hw2ob3Lk3j5roVR
6+Bkxhhy8RXaeGzo1+SC1RxWlWaNe0s9TMDPU+EQ+1BBNFFDKuzxFL13/PgtTN2B
YdojtAPtyF2xa8jgULtUheSRqyFs8eRfMEG8B1+ZNHliYHSmelQ1bgvv5eq06n/R
YZXCy3LNRzKcAwEAAaOCBDMwggQvMB8GA1UdIwQYMBaAFAqIq7yL8PVK7GFEUEBE
wYdm3t5RMEkGCCsGAQUFBwEBBD0wOzA5BgrBgEFBQcwAoYtaHR0cDovL2NydcC5
YXJpY2EuZ3IvSEFSSUNBLURWLRVMUj1TdWIuTjUyYyYyMIIIBGAYDVR0RBIIBDzC
AX0CCoudmsuY29tggZ2ay5jb22CByoumsucnWCBXRlnJlggqLnZrLmRlC2ln
boI3dmsuZGVzaWduoggoLm0udmsuY29tggthLnZrLmNvbYIMKi52a3ZpZGVvLnJl
ggp2a3ZpZGVvLnJlJggkLm0udmsucnWCB20udmsucnWCByoumsubWCBXZrLm1l
ggkqLnZrLmNvbWUyZ29tggZ2ay5jb22CByoumsuY20CBXRlnJlJggqLnZrLmRlC2ln
bC5yYIMdmtcG9ydgFSLnJlJggwLmFwaS52ay5jb22CmFwaS52ay5jb22CCyou
YXBpLnZrLmNlJlJlGkGkudmsucnWCDioudmtvbnRha3RlLnJlJlJlJlJlJlJlJlJlJl
cnWCDyoudmtvbnRha3RlLnNvbYINdmtvbnRha3RlLnNvbYI0Ki5tLnZrdmLkZW8u
cnWCDG0udmt2aWRlby5ydYITc3RhdHMudmtcG9ydgFSLm5ldDAtdBgNVHSAEJjAK
MAG6meBDAEATAIBgYEAIE96AQYwDgYMKwYBBAGBzEBAQEEMBOGA1UdJQoWMBQG
CCsGAQUFBwMCBggRBgEFBQcDATA+BgNVHR8ENZAlMD0gMaAvh1lodHRwOi8vY3J3
LmhhcmLjY5N5ci9IQVJjQ0EtrFYtVExTLVNIY11SM55jcmwHQYDVR0BBYEFAl
r3o31r0X0lx0zHAbEUhIDHVMA4GA1UdDwEB/wQEAwIFoDCCAX4GcisGAQB1nkC
BAIEggFuBIIBagFoAhcAYEYar3p/d18B1Ab8kg3ImesLHH34yVib+voXdzUx18kA
AAGez9FMDgAABAMASDBGAIEAqd7TseVrhHMa/DgkC3Q5Zy608HwA9B8DuS0ew5
g5QC1QD7u8gX00rstukbutUD7FcpUwFwIibXU2CFn0I5eVtAB1ANbvjanQF1Pz
akqgx1dJAq/rx9ws04zZ92TIDIkZhp8CAAABns/RTDCAAQDAEYwRAIGARcJsj3T
UyjjLcUkaaDx39GgmKxRgWF7Etu1hX98m8CIAL2l8a1NqmJdJbWoFLIpxk0yKQH
7Pj6xjQvBUKIQ/W2AHYARMK9D0kUdmsLyUoBkwpaoBs1lw4A7hEwiWgqHETXTWYA
AAGez9FL+gAABAMARzBFAIA2DDRACo94REb318grw4la16Gpa8qmfnB3QIOBGGwG
ZQInHALLk8iYaaBpG2UxqFkAmAVGJbljntRoVjfqBkKv4GVMA0GCSqGSIB3DQEB
CwUAA4ICAQBoceRRzginPdIb2ihwoPQN5Du7dz3DT9vZGPFzTsd0neputglGBF
8RB1q/Wr0pxrLmCXTMZA8Ug7X/ZQRws98yyTZRe40UHcX2a1cSPqb9kw3MZK03g
UpUSXu46xH4N0n1K087ILQdJyZ+1gpdw5VIqrU8xRC/UV7IHP058/EJOTK48DU
KJ1EemJ0i//73bRUs7UvR0PJK2NQBRZqu+ow0mHEUvU3B62Q091bPDFun5EJUlas
toG4QaxLzcAyNSAtHojrScNy/v1H5ehuaqhhyUoavbcMwByCevAG9CaiEjCik0W
kCzeyCKMytZKoH7+Mw2adK3cs/YvRLE1JlcpisgfgDRJAWCSM4ovbZVC6mHuzUCJ
P4mnX2laK5hhZP0LDhITrzeomYngvi9mfmt04n4wtMgshVxnGh9NXB4R78uxW05
JCGPoeHouArQe+9RDT5W4bWfdtRoMsJlNReBwPrk3V9pLlBhBRhrGUotRpuSclV0
f1W5MJBIWQmZhflcy65ulPL63JnkG/LnEboMnyyZqYb4HF2t7V5FGKOBvRAB1a5
KeEO/1TdRVuJaTtveZBPvrE49CpY3YmWdXkYjV0zYXQ9jgyi090FysH1MBpti
AA06qs3ssfV5i3N3mFuWu6xNhdjenEHMtqMI+d8xkx+8085iskd3Q==
-----END CERTIFICATE-----
1 s:C = GR, O = Hellenic Academic and Research Institutions CA, CN = HARICA DV TLS RSA
i:C = GR, O = Hellenic Academic and Research Institutions CA, CN = HARICA TLS RSA Root CA 2021
a:PKEY: rsaEncryption, 4096 (bit); sigalg: RSA-SHA256
v:NotBefore: Mar 19 09:24:04 2021 GMT; NotAfter: Mar 15 09:24:03 2036 GMT
-----BEGIN CERTIFICATE-----
MIIGwTCCBmgAwIBAgIQFvUBuF22xppLHnbzSLBwXDANBgkqhkiG9w0BAQsFADBs
MQswCQYDVQQGEwJHUjE3MDUGA1UECgwuSUVsbG9wVuaWgQWVtawMgYyW5kIFJl
c2VhcnNoIEluc3RpdHV0aW9ucyBDQTEaMBgGA1UEAwwRSEFSSUNBIERWIFRmYyBS
U0EwHhcNMjYwNjE2MDkzNDU4WbcwMTAxMDkzNDU3WjATMREwDwYDVQDDAqL
LnZrLmNvbTCCASiWdQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAGK6IC0gfsyX
LsdqzUcaqvN4Cikdu3Y4ApagqiFVSV86a0j8gNx6NMnbpur2CYjs4XXrcSiLugW
eO NPAEJ0e99cdg0jvELNsN9DH3yH7GMkHUNJgogmv24Zn7zoYgNtpPEaUxNwplkeI
eLTP2/HVcdj/r+AsgoCnKkeVuHe0fvR1JUDQpDVIC7qqr4dth1Hw2ob3Lk3j5roVR
6+Bkxhhy8RXaeGzo1+SC1RxWlWaNe0s9TMDPU+EQ+1BBNFFDKuzxFL13/PgtTN2B
YdojtAPtyF2xa8jgULtUheSRqyFs8eRfMEG8B1+ZNHliYHSmelQ1bgvv5eq06n/R
YZXCy3LNRzKcAwEAAaOCBDMwggQvMB8GA1UdIwQYMBaAFAqIq7yL8PVK7GFEUEBE
wYdm3t5RMEkGCCsGAQUFBwEBBD0wOzA5BgrBgEFBQcwAoYtaHR0cDovL2NydcC5
YXJpY2EuZ3IvSEFSSUNBLURWLRVMUj1TdWIuTjUyYyYyMIIIBGAYDVR0RBIIBDzC
AX0CCoudmsuY29tggZ2ay5jb22CByoumsucnWCBXRlnJlggqLnZrLmRlC2ln
boI3dmsuZGVzaWduoggoLm0udmsuY29tggthLnZrLmNvbYIMKi52a3ZpZGVvLnJl
ggp2a3ZpZGVvLnJlJggkLm0udmsucnWCB20udmsucnWCByoumsubWCBXZrLm1l
ggkqLnZrLmNvbWUyZ29tggZ2ay5jb22CByoumsuY20CBXRlnJlJggqLnZrLmRlC2ln
bC5yYIMdmtcG9ydgFSLnJlJggwLmFwaS52ay5jb22CmFwaS52ay5jb22CCyou
YXBpLnZrLmNlJlJlGkGkudmsucnWCDioudmtvbnRha3RlLnJlJlJlJlJlJlJlJlJlJl
cnWCDyoudmtvbnRha3RlLnNvbYINdmtvbnRha3RlLnNvbYI0Ki5tLnZrdmLkZW8u
cnWCDG0udmt2aWRlby5ydYITc3RhdHMudmtcG9ydgFSLm5ldDAtdBgNVHSAEJjAK
MAG6meBDAEATAIBgYEAIE96AQYwDgYMKwYBBAGBzEBAQEEMBOGA1UdJQoWMBQG
CCsGAQUFBwMCBggRBgEFBQcDATA+BgNVHR8ENZAlMD0gMaAvh1lodHRwOi8vY3J3
LmhhcmLjY5N5ci9IQVJjQ0EtrFYtVExTLVNIY11SM55jcmwHQYDVR0BBYEFAl
r3o31r0X0lx0zHAbEUhIDHVMA4GA1UdDwEB/wQEAwIFoDCCAX4GcisGAQB1nkC
BAIEggFuBIIBagFoAhcAYEYar3p/d18B1Ab8kg3ImesLHH34yVib+voXdzUx18kA
AAGez9FMDgAABAMASDBGAIEAqd7TseVrhHMa/DgkC3Q5Zy608HwA9B8DuS0ew5
g5QC1QD7u8gX00rstukbutUD7FcpUwFwIibXU2CFn0I5eVtAB1ANbvjanQF1Pz
akqgx1dJAq/rx9ws04zZ92TIDIkZhp8CAAABns/RTDCAAQDAEYwRAIGARcJsj3T
UyjjLcUkaaDx39GgmKxRgWF7Etu1hX98m8CIAL2l8a1NqmJdJbWoFLIpxk0yKQH
7Pj6xjQvBUKIQ/W2AHYARMK9D0kUdmsLyUoBkwpaoBs1lw4A7hEwiWgqHETXTWYA
AAGez9FL+gAABAMARzBFAIA2DDRACo94REb318grw4la16Gpa8qmfnB3QIOBGGwG
ZQInHALLk8iYaaBpG2UxqFkAmAVGJbljntRoVjfqBkKv4GVMA0GCSqGSIB3DQEB
CwUAA4ICAQBoceRRzginPdIb2ihwoPQN5Du7dz3DT9vZGPFzTsd0neputglGBF
8RB1q/Wr0pxrLmCXTMZA8Ug7X/ZQRws98yyTZRe40UHcX2a1cSPqb9kw3MZK03g
UpUSXu46xH4N0n1K087ILQdJyZ+1gpdw5VIqrU8xRC/UV7IHP058/EJOTK48DU
KJ1EemJ0i//73bRUs7UvR0PJK2NQBRZqu+ow0mHEUvU3B62Q091bPDFun5EJUlas
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-----END CERTIFICATE-----
```

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## HTTP Response Evidence

### IPv4 HTTP (port 80)

HTTP Status	418
Connected IP	87.240.132.67
Connect Time	196.78 ms
TTFB	392.93 ms
Total Time	392.99 ms

Response Headers:

```
[
  "HTTP/1.1 418",
  "Server: kittenx",
  "Date: Fri, 03 Jul 2026 19:26:20 GMT",
  "Content-Length: 0",
  "Connection: keep-alive",
  "X-Frontend: front656100",
  "Access-Control-Expose-Headers: X-Frontend",
  "X-Trace-Id: 4bQNZafhEk1N7rFS9lEoNXxA96mYQ",
  "Server-Timing: tid;desc=\"4bQNZafhEk1N7rFS9lEoNXxA96mYQ\", front;dur=0.037"
]
```

### IPv4 HTTPS (port 443)

HTTP Status	418
Connected IP	87.240.132.67
Connect Time	194.37 ms
TTFB	588.57 ms
Total Time	588.6 ms

Response Headers:

```
[
  "HTTP/2 418",
  "server: kittenx",
  "date: Fri, 03 Jul 2026 19:26:20 GMT",
  "content-length: 0",
  "x-frontend: front656202",
  "access-control-expose-headers: X-Frontend",
  "x-trace-id: d248tMpESk0IZ5UH4a00gFGZLrLA4g",
  "server-timing: tid;desc=\"d248tMpESk0IZ5UH4a00gFGZLrLA4g\", front;dur=0.037"
]
```

## Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	301 0.195974 0.392768
TCP Connect IPv4 → port 443	302 0.199579 0.613586

**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
```