



DATASHEET · DATA APIS · VPN DETECTION

Real address or a disguise? One call shows what's behind the IP.

VPN Detection checks an IP address against lists of VPN services, proxies, Tor nodes, data centers and blocklists and names the source of every hit. For shops, platforms and forms that protect orders and sign-ups: via REST API and MCP.

AT A GLANCE

37 list sources in one call: the response separates VPN, proxy, Tor and data center and names the matching list in the type field.

01 · WHAT IT IS ABOUT

Every order looks genuine. The IP tells you more.

With an order or sign-up you see a name and an email address. Whether the person is coming through a VPN, a proxy, the Tor network or a server in a data center stays hidden. VPN Detection shows you before you accept the request.

INPUT

IP address or hostname; without one, the address of the connection

RESULT

is_vpn, is_proxy, is_tor, is_datacenter, is_blocklisted, is_malware, score, score_basis

SOURCES

37 lists: VPN providers, Tor, proxies, cloud networks, block and abuse lists

ACCESS

REST API with an API key, MCP tool
po_ip_geolocation_vpn_detection

**Separate flags**

VPN, proxy, Tor, data center and relay services are separate fields in the response. Your application can react to each one.

Source for every hit

type names the list that matched, score_basis the reason, score a fixed value per reason. With several hits, details.match_count counts them.

Block and abuse lists

Addresses from spam and attacker lists also match: under is_vpn and as is_blocklisted. is_malware returns false; its source was discontinued.

Provider name check

Without a list hit, the API checks the ISP and organization names for VPN, Tor and hosting terms. type then starts with isp_.

List date in every response

last_paperofficeai_overseer_crawl shows when the checked lists were loaded. Every decision stays traceable.

Combined with location

/ip2location/full returns VPN flags and location in one call, for example to compare IP country with billing country.

02 · HOW IT WORKS

Send the IP, read the flags. You set the rule.

The check is a single call with a direct response. What happens on a hit is up to your application: an extra confirmation, manual approval or a block.

1

Create an API key

Under **API & Developer > API Keys**, use **Create New Key** to create an **API Key**. You can copy the key there at any time.

2

Check the IP

GET `/ip2location/vpn?ip=...` with the key as a Bearer token, for example from your checkout or your sign-up flow.

3

Read the flags

The vpn block holds `is_vpn`, `is_proxy`, `is_tor` and `is_datacenter`, and on a hit also type and details.

4

Apply your rule

Your system decides per flag, for example sending data center IPs at sign-up to review or blocking Tor at checkout.

TECHNICAL DATA

FEATURE	DETAILS
Endpoint	GET <code>/ip2location/vpn</code> ; together with location: GET <code>/ip2location/full</code>
Base URL	<code>https://api.paperoffice.ai/latest/</code>
Parameters	ip (IP address or hostname, optional)
Response fields	<code>is_vpn</code> , <code>is_proxy</code> , <code>is_tor</code> , <code>is_relay</code> , <code>is_datacenter</code> , <code>is_blocklisted</code> , <code>is_malware</code> , <code>score</code> , <code>score_basis</code> , <code>type</code>
Sources	37 lists in the categories VPN, Tor, proxy, relay, data center, cloud, blocklist and malware
Access	API key as a Bearer token; MCP <code>po_ip_geolocation_vpn_detection</code> in the <code>/mcp-full</code> catalog
Billing	Pay as you go

03 · IN PRACTICE

Where the check helps. Three typical flows.

Protect checkout

When an order comes in through Tor or a proxy, your shop asks for an extra confirmation before the goods ship.

Review sign-ups

Sign-ups from data center networks go to a review list. Automated accounts stand out early, while real users sign up as usual.

Protect regional offers

Country prices and regional content follow the country of the IP. With `/ip2location/full` you see country and VPN flags in the same response.

FREQUENTLY ASKED QUESTIONS

What does it detect?

VPN services, proxies, Tor nodes, relay services, data center and cloud networks, and addresses from block and abuse lists, each with its source in the `type` field.

How current are the lists?

Every response names the date of the checked lists in the `last_paperofficeai_overseer_crawl` field. For every decision you see what it was based on.

How do I see why an IP matched?

`type` names the list, `score_basis` the reason and `score` a fixed value for it: 95.00% for VPN lists, 0.00% without a hit. If the match came from the provider name, `details` shows `detection_method` `isp_name`.

Can I check location and VPN together?

Yes. `/ip2location/full` returns location, provider and VPN flags in one response, with the same API key.

GET STARTED

Bring the VPN check into your checkout

Create an account, generate an API key under `API & Developer › API Keys` and send your first GET to `/ip2location/vpn`.

paperoffice.ai/en/ai-anonymity-detector-vpn-proxy-detection



MORE ABOUT THE MODULE

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