MCP SERVER | NO CODE | CLOUD HOSTED

OpenSanctions MCP

Check Names and Companies Against Global Sanction Lists

OpenSanctions connects your agent to a massive, global database of sanctions and Politically Exposed Persons (PEP) lists. Use this MCP to check names, companies, and vessels against major international watchlists like OFAC, EU, and UN. It's essential for any process requiring Know Your Customer (KYC) or Anti-Money Laundering (AML) compliance.

A+ Quality Score 100/100

sanctions-screening | pep-screening | aml | kyc | risk-management | compliance

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vinkius.com/mcp/opensanctions

SCAN TO VIEW

The connectivity layer between AI and the world's software.

Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

> *The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.*
>
> — Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

```
https://edge.vinkius.com/{token}/mcp
```

Claude · Cursor · VS Code · Windsurf · Grok · Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1) Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

> Get started at **cloud.vinkius.com** — connect your AI agent in under 60 seconds.

OpenSanctions MCP

8 tools available
Cloud-hosted on Vinkius

When you need to know if a client, partner, or transaction is flagged by global regulators, OpenSanctions provides the answers. This MCP lets your agent query the world's largest collection of sanctions and PEP data through simple conversation—no API keys are required for non-commercial use.

It handles everything from searching individual names against Politically Exposed Persons lists to screening entire companies or vessels. You can get detailed profiles, including aliases, dates of birth, and full ownership structures. If your current workflow involves manually cross-referencing multiple government watchlists, this MCP cuts out all the friction. Simply connect it through Vinkius and let your agent do the heavy lifting. It aggregates data from major global regimes like OFAC, EU, and UN into one place, giving you a clear compliance picture instantly.

Core Capabilities

01 — Screening People

Checks individuals against sanctions lists and Politically Exposed Persons databases to flag potential risks.

02 — Investigating Companies

Searches for corporate entities, verifying registration details and checking their current sanction status.

03 — Checking Vessels

Retrieves detailed records on ships, including IMO numbers, owners, and any associated sanctions.

04 — Gathering Data Sets

Lists all available global sanctions datasets so you know exactly what information is being checked against.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/opensanctions** — connect your AI agent in three steps.

01 Subscribe to the OpenSanctions MCP catalog.

02 Connect your preferred AI client (Claude, Cursor, etc.) through Vinkius.

03 Ask your agent to screen a name or entity against specific sanctions lists.

The bottom line is that you talk naturally to your agent, and it handles the complex database queries for compliance checks.

Built For

Financial institutions and regulated industries need this. If you deal with cross-border transactions or client due diligence, you hit a compliance wall manually checking every name. This MCP gets your agent past that roadblock.

Compliance Officer

Runs automated daily checks on large batches of clients and partners against global sanctions lists for AML/KYC adherence.

Financial Risk Analyst

Researches complex transactions, checking names and companies to ensure no sanctioned parties or PEPs are involved before approving a wire transfer.

Due Diligence Researcher

Explores deep entity relationships by querying multiple datasets, finding aliases, and tracing ownership structures for risk assessment reports.

What Changes When You Connect

01 Deep compliance checks: Instantly run `match_sanctions` or `match_pep` to check any name against OFAC, EU, and UN lists. You get a match score, not just a yes/no answer.

02 Comprehensive entity views: Don't just search by name; use `search_entities` to filter results by type (Person, Company, Vessel) or country for precision.

03 Know your data sources: The `get_datasets` tool lets you see exactly which sanctions regimes are available, giving you confidence in the compliance depth of the check.

04 Full company profiles: Instead of basic searches, use `search_company` to get full details on a corporate entity, including registration numbers and sanctioned status.

05 Vessel tracking: For maritime risk, run `search_vessel` with an IMO number. This is critical for understanding trade flow risks and sanctions violations.

Real-World Applications

Onboarding a new corporate client

A compliance officer needs to vet a potential partner. Instead of running three separate manual checks (company name, key executives' names, and jurisdiction), the agent uses `search_company` and then runs multiple individual screens using `search_person` and `match_sanctions`. It compiles all findings into one risk report.

Investigating suspicious transactions

A financial analyst detects a shipment that might be flagged. They use `search_vessel` with the ship's name or IMO number to check ownership and sanctions status, confirming if the vessel is connected to any restricted parties.

Auditing client portfolios

A risk manager needs to review 100 clients. They use `search_entities` with a schema filter for 'Person' and then iterate through them, running `match_pep` on each name to ensure no politically exposed individuals are involved.

Understanding data scope

A researcher needs to know what compliance databases are available. They simply call `get_datasets`, which immediately provides a list of all global sanctions regimes and how many entities each database holds.

Patterns to Avoid

Searching by only one field

✗ AVOID

Only running `search_person` when the name is misspelled or has an alias. You might miss a critical match because the search was too narrow.

✓ INSTEAD

Always start with `search_entities`. This tool supports free-text input and fuzzy matching, allowing you to check names and types simultaneously before narrowing down using specific tools like `match_sanctions`.

Using outdated compliance methods

✗ AVOID

Relying on simple keyword searches in internal spreadsheets that don't cross-reference global regulatory lists.

✓ INSTEAD

Use the MCP to run a full, structured check. For example, combine `search_company` with `get_entity` to pull registration details and then use `match_sanctions` to verify risk.

Forgetting vessel context

✗ AVOID

Only searching for the name of a ship without its IMO number, risking false negatives or incomplete data.

✓ INSTEAD

When checking maritime goods, use `search_vessel` and provide both the name and the available IMO number. This gives the most complete record.

The Right Fit

Use this MCP if your core requirement is validating an identity (person, company, or vessel) against established, international regulatory watchlists. You need to know *if* a party is sanctioned, *who* they are connected to (PEP status), and *what* their official details are.

Don't use this if you simply need to check internal records, like verifying an employee ID or checking a local business license not tracked by global regulators. If the data lives only in your private database, an internal query tool is better. However, if that private data needs to be cross-referenced against international compliance standards (AML/KYC), OpenSanctions is mandatory.

The Pain of Manual Due Diligence

When vetting a new partner or client, the process is a nightmare of tabs and copy-pasting. You pull the company name from one source, run it through a government database portal, then manually look up key executives' names in a separate PEP tracker, and finally cross-check the vessel involved against maritime watchlists. It takes hours, involves jumping between different web portals, and every little mistake introduces risk.

With this MCP connection, your agent handles the entire sequence. You simply ask: 'Is this company compliant?' The system runs multiple searches—checking companies using `search_company`, screening people via `match_pep`, and verifying vessels with `search_vessel`—and delivers a single, consolidated risk report back to you.

OpenSanctions MCP Provides Complete Compliance Context

You eliminate the need for disparate searches. Instead of running separate queries to check company details, person aliases, and sanctions history, you use `get_entity`. This single tool pulls together name variations, addresses, nationalities, and all related sanction hits.

The difference is simple: You move from reactive data gathering—where you have to ask for every piece of information individually—to proactive risk assessment. You get the full context in one flow.

OpenSanctions: 8 Compliance Tools Available

This MCP gives your agent eight specialized tools to query data sets, match identities, and screen entities against global sanctions lists.

#	TOOL	DESCRIPTION
01	`get_datasets`	Lists all available sanctions data sets, showing dataset names, publishers, and the total number of entities contained in each.
02	`get_entity`	Retrieves comprehensive details for a single entity using its unique ID, including aliases, addresses, and related datasets.
03	`match_pep`	Screens an individual's name against Politically Exposed Persons (PEP) lists to check for political ties.
04	`match_sanctions`	Runs fuzzy matching on a name to find potential matches in global sanctions databases, returning a sensitivity score.
05	`search_company`	Searches the database specifically for companies, providing their registration numbers, jurisdiction, and current sanctions status.
06	`search_entities`	Performs a flexible search across all entity types (Person, Company, Vessel) using free-text queries and fuzzy matching.
07	`search_person`	Finds personal profiles by name, returning aliases, dates of birth, nationalities, and sanctions status for individuals.
08	`search_vessel`	Searches for ships using names or IMO numbers, providing details on flags, owners, and any sanction hits.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U Screen 'Vladimir Putin' against sanctions lists.

Found multiple matches for Vladimir Putin in OFAC, EU and UK sanctions lists. Includes aliases, dates of birth, nationalities and sanctions details.

U Search for companies sanctioned in Russia.

Found 50+ sanctioned companies with Russian connections. Includes Gazprom, Rosneft, Sberbank and many others across OFAC, EU and UK sanctions lists.

U What sanctions datasets are available?

Available datasets: US OFAC (9,000+ entities), EU Consolidated List (6,000+), UN Security Council (700+), UK HMT (3,000+), and 40+ more global sanctions regimes.

Frequently Asked Questions

01 **Does OpenSanctions help with KYC/AML compliance?**

Yes, absolutely. The MCP is designed specifically for KYC and AML checks by screening identities against major global sanctions lists and PEP databases.

02 **Can I search for people using OpenSanctions MCP?**

You can use `search_person` to find individuals by name, or run a targeted check with `match_sanctions` to see if they are listed on sanctions lists.

03 **What is the difference between `search_entities` and `get_entity`?**

`search_entities` lets you look for potential matches using free text. `get_entity`, however, requires a specific ID to pull comprehensive details on an already identified entity.

04 **Does OpenSanctions require me to pay per API call?**

No, the MCP is available without needing an API key for non-commercial use. You just connect through Vinkius and start screening with your agent.

05 **Can I check vessels using OpenSanctions MCP?**

Yes, you can run `search_vessel` to look up ships by name or IMO number, checking them against sanctions databases for maritime risk management.

Go Live in 60 Seconds

Get your connection token from **cloud.vinkius.com**, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

CLIENT	WHERE TO CONFIGURE
Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add `"opensanctions": { "url": "…" }`
Windsurf	MCP Settings → `mcp_settings.json` → Add endpoint URL
ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

- Ask ChatGPT
- Ask Claude
- Ask Perplexity
- Ask Gemini
- Ask Grok

READY TO CONNECT

OpenSanctions is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and start building. No SDK. No deployment. Just results.

Start at cloud.vinkius.com →

vinkius.com · support@vinkius.com

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