

MCP SERVER

NO CODE

CLOUD HOSTED

Abstract API MCP for AI Agents

Validate emails, IP locations, and VAT numbers globally

Abstract API connects data verification and enrichment into your AI workflow. Your agent can automatically audit geolocation data from IP addresses, validate email deliverability, or retrieve full VAT company profiles instantly. It handles complex compliance and market intelligence checks—like fetching real-time currency rates or listing global holidays—all through simple conversation.

A+ Quality Score 100/100

data-enrichment

geolocation

email-validation

vat-verification

api-integration

data-cleansing



The infrastructure that powers AI agents in the real world.



Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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.

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.

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.

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

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

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.

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.

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.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot 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.

FinOps

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

Firewall & DLP

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

Agent Activity

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

Tool Health

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

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.

Abstract API MCP

6 tools available

Cloud-hosted on Vinkius

Abstract API lets your AI client manage a complete data validation process without you ever opening a separate dashboard or running multiple scripts. This MCP brings together geolocation auditing, email deliverability checks, VAT number verification, and financial lookups into one place.

When you connect this through Vinkius, your agent becomes a real-time data steward. You don't need to worry about whether an IP address is accurate or if a company ID exists; your agent just handles it. Need to know where a client calls from? Your agent can geolocate the IP and pull back city details. Checking lead lists? It instantly validates emails for deliverability. Running international reports? You get current time zone data and public holiday listings, all in one chat session.

This capability means your intelligence is always grounded in verified facts. Whether you're doing market research or managing compliance records, the complexity disappears. Your agent simply talks to this MCP, gets the answer, and presents it back to you.

Core Capabilities

01 — Verify data quality using email validation

Checks an email address to confirm if it's genuinely deliverable and not a temporary or fake account.

03 — Validate business registration status via VAT lookup

Verifies a company using its VAT number and retrieves detailed corporate profiles for due diligence or compliance checks.

02 — Audit location details from an IP address

Determines the geographic metadata, including city, country, and Internet Service Provider (ISP), associated with any given IP address.

04 — Calculate current exchange rates between currencies

Retrieves the real-time conversion rate between any two specified world currencies.

05 — List public holidays and time zones by location

Fetches a list of national public holidays or determines the current timezone details for a specific geographical area.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/abstract-api — connect your AI agent in three steps.

- 01** Subscribe to this MCP and plug in your Abstract API key into your preferred client.
- 02** Ask your AI agent to perform the required data checks, like validating a list of emails or locating an IP address.
- 03** Your agent invokes the necessary tools, fetches verified data (e.g., VAT records), and presents the clean results directly back to you.

The bottom line is that your AI client handles all the complex background API calls; you just talk to it normally.

Built For

Data Analysts, Compliance Officers, and Marketing Leads use this when manual data checks slow them down. If you spend time cross-referencing lists of leads or verifying company IDs across multiple systems, this MCP saves hours.

Compliance Officer

Uses the MCP to validate VAT numbers and audit corporate profiles for international clients before signing contracts.

Data Analyst

Passes IP addresses through the MCP to get precise geographic metadata, enriching datasets that need location context.

Marketing Lead

Runs batches of lead data through the MCP to verify email deliverability and clean up contact lists before major campaigns.

What Changes When You Connect

- 01** Stop manually cross-referencing data. Your agent uses the `validate_email` tool to instantly clean up your lead lists, boosting campaign quality.

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- 02 Gain instant global context by using `geolocate_ip`. You can pull detailed location metadata from an IP address in seconds, not minutes.

 - 03 Ensure compliance easily. Use `validate_vat` to check company records against international databases without leaving your chat interface.

 - 04 Keep track of finances globally. The `get_exchange_rate` tool provides real-time currency data, essential for accurate cross-border reporting.

 - 05 Plan international operations with confidence. You can use `get_holidays` or `get_timezone` to coordinate tasks across different time zones and countries.
-

Real-World Applications

Auditing a list of potential partners

A compliance officer needs to vet 50 new vendors. Instead of running them through five separate databases, they ask their agent to validate all VAT numbers and retrieve full corporate profiles using `validate_vat`. The MCP returns a single, actionable report.

Setting up an international sales meeting

A marketing team needs to schedule a call spanning three continents. The agent uses the MCP to check both `get_timezone` and `get_holidays`, finding the optimal time window that avoids weekends or national holidays.

Analyzing leads from an unknown IP range

A data analyst receives a spreadsheet with IPs. They prompt the agent to geolocate every address using `geolocate_ip`, immediately segmenting users by country and identifying their ISP for better targeting.

Checking an e-commerce transaction value

An operations lead is comparing prices in Euros and Japanese Yen. They ask the agent to calculate the current conversion using `get_exchange_rate`, getting the accurate, up-to-the-minute rate for pricing.

Patterns to Avoid

Using separate tools for validation

X AVOID

Trying to verify emails with one service and then checking VAT numbers on another requires copy/pasting data between multiple tabs, which is slow and prone to errors.

✓ INSTEAD

Run the full check through your agent. Ask it to validate both the email address using ``validate_email`` AND retrieve company details via ``validate_vat``. Keep all the results centralized.

Ignoring time zone differences

X AVOID

Scheduling a meeting without checking for public holidays or local times often leads to missed connections and frustrated teams.

✓ INSTEAD

Always use the MCP's capabilities. Ask your agent to check ``get_timezone`` alongside ``get_holidays`` before proposing any date, ensuring everyone is available.

Assuming data completeness

X AVOID

Taking an IP address and assuming you know its full location without verification can lead to incorrect market assumptions.

✓ INSTEAD

Always run a ``geolocate_ip`` check first. This confirms the city, country, and ISP metadata before relying on the location for analysis.

The Right Fit

Use Abstract API when your data quality relies on multiple checks: checking an email *and* verifying VAT *and* knowing the time zone is a perfect use case. If you only need to check one thing, like just confirming a country's public holidays, other single-purpose tools might suffice. However, if you are dealing with complex business intelligence—for example, needing to validate leads and then know their local market timing—you absolutely need this MCP. Don't use it if your data source is already guaranteed perfect; the overhead isn't worth it. But for anything touching international compliance or unknown client data, this comprehensive set of tools is necessary.

Abstract API: Streamlining Global Compliance and VAT Validation

Manually checking company details is a nightmare. You find a prospect's name, then you have to copy the country code into Google, then manually search for the correct VAT verification site, fill out forms, wait for results, and finally cross-reference that data with your CRM. It takes minutes per record.

With this MCP, you simply ask your agent to verify the company's details by validating the VAT number. The agent handles the lookup instantly and returns a clean, verified profile directly into your chat window. You get actionable intelligence in seconds.

Abstract API: Enriching Data with Precise Geolocation Auditing

When you pull data from web forms or logs, the IP address is often the only location clue you have. Manually figuring out what that IP belongs to—is it a mobile network? What city?—requires multiple specialized lookup tools and tedious manual research.

Now, your agent just runs `geoLocate_ip`. It immediately tells you the precise geographic metadata, including the ISP information. This allows you to segment users or adjust marketing efforts based on verified location data.

6 Tools in the Abstract API MCP for Global Data Enrichment

Use these tools to check everything from email deliverability to real-time currency rates, making your AI agent a powerful data auditor.

#	TOOL	DESCRIPTION
01	<code>geolocate_ip</code>	Gets geographic details, such as city and country, for any provided IP address.
02	<code>get_exchange_rate</code>	Provides the current exchange rate between two specified world currencies.
03	<code>get_holidays</code>	Lists public holidays for a given country and year, useful for scheduling international events.
04	<code>get_timezone</code>	Determines the current time zone and local time details for any specified location.
05	<code>validate_vat</code>	Checks a VAT number to validate its authenticity and retrieve detailed company information.
06	<code>validate_email</code>	Verifies if an email address is genuinely valid and likely to be delivered successfully.

See It in Action

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

U What are the public holidays in Germany for 2025? And what time is it there right now?



German Public Holidays (2025):

- January 1: New Year's Day
- April 18: Good Friday
- May 1: Labour Day
- October 3: Unity Day




Current Time Details:

The timezone is Central European Time (CET). It's currently 10:45 AM.

U Can you check this list of emails and tell me which ones are bad? Also, what's the exchange rate between USD and CAD?



Email Validation Report:

- `good@example.com` :  Deliverable (High Confidence)
- `spam@tempmail.net` :  Disposable/Invalid
- `client@corp.org` :  Deliverable (High Confidence)

Currency Rates:

As of right now, the exchange rate is: **1 USD = 1.36 CAD.**

Frequently Asked Questions

01 How does Abstract API help validate international company data?

It verifies company legitimacy using VAT numbers and retrieves full corporate profiles in one step. This means you can confidently use the data for compliance or due diligence without manual checks.

02 Can I use Abstract API to find out where a website visitor is located?

Yes, by providing an IP address, the MCP can geolocate it. It returns detailed metadata like the city, country, and even the ISP, giving you strong location context for your analysis.

03 Do I need multiple tools to check emails, or is Abstract API better?

Abstract API bundles all those checks into one flow. You don't have to switch between a dedicated email checker and another tool; the agent handles everything in a single conversation.

04 How do I find out the best time for global meetings using Abstract API?

You can ask the MCP to check both public holidays and current time zones. This helps you schedule meetings that avoid national closures or inconvenient time differences across multiple countries.

05 Is Abstract API good for financial tasks, like currency conversion?







Yes, it provides real-time exchange rates between any two currencies instantly. You get the current rate so your cross-border pricing and reporting are always accurate.

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 <code>"abstract-api": { "url": "..."</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → 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

Abstract API 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](https://cloud.vinkius.com) →

vinkius.com · support@vinkius.com

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