

MCP SERVER

NO CODE

CLOUD HOSTED

# Airparser MCP for AI Agents

Extracting structured data and metadata from invoices, resumes, and PDFs

Airparser lets your AI agent automatically pull structured data from virtually any messy document format—PDFs, emailed attachments, images, and more. It handles everything from auditing complex extraction schemas to running automated webhooks that push clean JSON data directly into your other applications.

**F** Quality Score 3.6/100

data-extraction

idp

ocr

pdf-parsing

unstructured-data

automation



# 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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Airparser MCP

10 tools available

Cloud-hosted on Vinkius

Dealing with documents is a nightmare of copy-pasting and manual checks. Airparser fixes that by letting your AI agent handle the whole messy process. You upload or point to PDFs, invoices, resumes, or even simple emails, and it extracts everything you need—dates, names, line items, totals—and structures it into clean JSON data automatically. Your agent manages the entire pipeline: checking if the schema is right, processing documents in the background, and finally sending that structured output to your CRM or database via webhooks. With Vinkius at the core of the catalog, you connect once from any compatible client to gain access to this robust document parsing capability. You just talk to your agent naturally, and it handles the data flow.

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## Core Capabilities

### 01 — Audit and organize document sources

List and check all your Airparser inboxes to understand what types of documents are flowing into your system.

### 03 — Define and verify data structure requirements

Retrieve the specific extraction schemas to confirm that the parsed output matches exactly what your database needs.

### 05 — Automate external data transfers

Manage automated webhooks to push parsed JSON records directly into your external business applications.

### 02 — Process single or batches of files

Parse a document instantly or queue it for background processing using dedicated functions.

### 04 — Check document status and results

Monitor processing jobs, list documents in an inbox, or grab the final extracted JSON data for a given file ID.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/airparser](https://vinkius.com/mcp/airparser) — connect your AI agent in three steps.

- 01** Subscribe to this MCP and enter your Airparser API key. This gives your AI client the connection credentials.
- 02** Tell your agent what you need done—for example, 'Parse all invoices from last month' or 'Show me the schema for HR documents'.
- 03** Your agent calls the necessary tools through Airparser to handle the parsing, status checks, and data retrieval, returning clean JSON results directly in the chat.

The bottom line is: you give instructions to your AI client, and it executes complex document processing workflows using this MCP.

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## Built For

Anyone drowning in paper or digital attachments needs Airparser. This MCP is built for Operations Managers dealing with high-volume accounts payable, Recruiters sifting through hundreds of resumes, and Developers building custom data pipelines that can't handle unstructured text.

### Operations Manager

Automates invoice and receipt processing to ensure Accounts Payable runs without manual intervention.

### Recruiter

Parses massive batches of varied resumes into consistent, structured JSON for quick candidate filtering and database entry.

### Data Analyst

Converts messy data from emails or PDFs into clean, report-ready structured formats without manual cleanup.

## What Changes When You Connect

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- 01 You get immediate access to the full document processing lifecycle. Need to check the schema before parsing? Use `get_inbox_schema` to verify your field definitions first.

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  - 02 Manage complex workflows by automating data exports. By calling `create_webhook`, you ensure that every successfully parsed record automatically pushes JSON data into your target system.

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  - 03 Handling large volumes is simple. Instead of blocking the conversation, use `parse_document_async` to queue up dozens of documents and check on their status later with `list_documents`.

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  - 04 Your agent doesn't just read; it audits. Use `get_inbox_details` to understand exactly what kind of files an inbox is expecting before you start processing anything.

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  - 05 The data retrieval is precise. Once a document finishes, call `get_document_details` to grab the clean JSON output, ready for immediate use by your application.
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## Real-World Applications

### Processing high-volume accounts payable

An operations manager needs to process 50 invoices from different vendors. They ask their agent to run `parse_document_async` on the batch, wait for status checks using document IDs, and then use `get_document_details` for every file that successfully completed parsing.

### Building an automated HR candidate pipeline

A recruiter receives a folder of diverse resumes. They ask the agent to list all inboxes (`list_inboxes`), check the required schema (`get_inbox_schema`) for resume parsing, and then create a webhook (`create_webhook`) so that every parsed JSON record lands directly into their ATS.

### Integrating document data into legacy systems

A developer needs to capture data from PDFs and send it via API. They first list the available inboxes, use ``parse_document_sync`` for quick testing, and then delete the webhook (``delete_webhook``) when they are done testing.

### Auditing existing data flows

A data analyst needs to confirm if their current automated system is working. They use ``list_webhooks`` to audit all active export points and then check the status of recent files using a document ID.

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## Patterns to Avoid

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### Assuming parsing works instantly

#### X AVOID

Telling your agent, 'Parse this 100-page PDF right now.' The agent might fail or time out because complex documents require background processing.

#### ✓ INSTEAD

Always start with ``parse_document_async`` for large files. Then, use ``list_documents`` and monitor the status until it's complete before asking for the final JSON data using ``get_document_details``.

### Not checking field requirements

#### X AVOID

Attempting to parse a new invoice type without knowing if your schema accounts for 'Tax ID'. You lose critical fields.

#### ✓ INSTEAD

Before running any parsing, call ``get_inbox_schema`` to confirm that the required extraction fields are defined and ready to capture the specific data points.

### Not verifying document sources

#### X AVOID

Running a parse job on an inbox you forgot existed or one with outdated rules, leading to corrupted or missing metadata.

#### ✓ INSTEAD

Always start by running ``list_inboxes`` and then check the specific details of that source using ``get_inbox_details``. This confirms both existence and current configuration.

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## The Right Fit

Use this MCP if your core problem is taking unstructured data—things like text found inside PDFs, images of receipts, or messy email bodies—and turning it into clean, usable JSON. You need reliable extraction logic that handles different document types and can push the results to external systems via webhooks. Don't use this if you just need simple text summarization; those general-purpose AI tools are enough. Also, don't use it if your data already

lives in a perfectly structured format like an SQL database; you won't gain anything. You *must* have a flow of messy, source documents to make this worth the time.

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## Airparser MCP for AI Agents: Streamlining Invoice and Receipt Processing

Currently, accounts payable departments rely on human effort. People download invoices from various portals, open them in different readers, manually copy the invoice date into a spreadsheet, find the vendor name, and then paste the total amount. This process is slow, prone to keying errors, and requires multiple people clicking through several tabs just to get one record ready for payment.

With this MCP, your agent handles it all. You simply tell it to process a batch of attached invoices. It automatically extracts the date, vendor name, line item details, and total amount into structured JSON records, eliminating manual copy-pasting entirely.

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## Airparser MCP for AI Agents: Automating Candidate Data from Resumes

The old way of hiring means recruiters download dozens or hundreds of resumes into a single folder. They then open each one, manually skimming to find keywords like 'Python' or 'Project Management,' and copy the dates and titles into a tracking spreadsheet for review.

Now, your agent processes that entire folder using Airparser. It doesn't just read; it maps complex details—like converting vague job descriptions into structured skills arrays—and exports everything ready to populate your database.

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# Airparser 10 Tools for Document Parsing & JSON Extraction

These tools let your agent manage everything: listing inboxes, parsing documents instantly or async, checking schemas, and setting up automated data exports.

#	TOOL	DESCRIPTION
01	<code>list_inboxes</code>	Retrieves a list of all document inboxes configured within your Airparser account.
02	<code>get_inbox_details</code>	Provides detailed metadata about a specific document inbox.
03	<code>parse_document_sync</code>	Processes and extracts data from a document immediately, returning results in the current session.
04	<code>parse_document_async</code>	Schedules document processing for later completion, useful for large files or batch jobs.
05	<code>list_documents</code>	Retrieves a list of documents currently contained within a specified inbox.
06	<code>get_document_details</code>	Fetches the final, extracted JSON data for a specific document ID.
07	<code>get_inbox_schema</code>	Retrieves the defined extraction field definitions and rules for an inbox.
08	<code>list_webhooks</code>	Lists all existing automated webhooks set up for a given inbox.
09	<code>create_webhook</code>	Adds a new automated webhook to push data out of an inbox upon processing completion.
10	<code>delete_webhook</code>	Removes an existing automated export endpoint from your inboxes.

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# See It in Action

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

**U** I have a stack of old receipts and invoices here, can you parse them all?



## Invoice Batch Summary

DOCUMENT ID	STATUS	KEY DATA EXTRACTED
doc_a9b7c	Completed	Vendor: Global Corp; Total: \$450.21; Date: 2024-06-15
doc_d3e2f	Failed	Status: Missing schema for Line Items. Check required fields.

I'll queue the failed one and alert you when it's fixed.

**U** Show me what data I can pull out of my HR resumes.



## Resume Schema Audit

- **Candidate Name:** (String, required)
- **Years Experience:** (Integer, optional)
- **Key Skills:** (Array[String], required)
- **Education Institution:** (String, required)
- **Highest Degree:** (Enum: BS/MS/PhD)

This schema will ensure every candidate record is consistent.

**U** I need to make sure the webhooks are set up for new payments.



### Webhook Status Check

You have 2 active inboxes. Here's what's running:

1. **Invoices\_US**: Active webhook sends data to `https://api.crm.com/invoices` on completion.
2. **Leads\_EU**: Webhook disabled. You need to run `create_webhook` first.

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## Frequently Asked Questions

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### 01 How does the Airparser MCP help me move data from PDFs into my database?

It parses the PDF and outputs clean JSON. You then use the webhook tools to automatically push that structured record directly into your target system, bypassing manual data entry entirely.

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### 02 I have a mixed batch of files—some emails, some scans. Can Airparser MCP handle it?

Yes. It processes multiple formats like EML/HTML and images. Your agent just needs to know which inbox or file type you want to process next.

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### 03 If I change my data requirements, how do I update the parsing rules with Airparser MCP?

You can retrieve and verify your current extraction schema using the dedicated tool. This lets you audit the field definitions before making changes to ensure accuracy.

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### 04 Is Airparser MCP better than just reading text via a general AI client?

Yes, because it's specialized for structure. A general client reads text; this MCP extracts \*meaning\* and puts it into strict, predictable fields (JSON). It knows the difference between an address line and a total amount.







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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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
 <b>Claude AI</b>	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 <b>Cursor</b>	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 <b>VS Code</b>	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"airparser": { "url": "..."} </code>
 <b>Windsurf</b>	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 <b>ChatGPT</b>	Settings → Tools & plugins → Add MCP server → Paste endpoint
 <b>Gemini</b>	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

# Airparser 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](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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