MCP SERVER | NO CODE | CLOUD HOSTED

Affinda MCP for AI Agents

Extract Structured Data from Resumes and Invoices

Affinda lets your AI client automatically extract structured data from complex documents like resumes, invoices, IDs, and receipts. Instead of manually reading PDFs or images for key details, this MCP parses them into clean JSON format. You can audit document statuses across multiple workspaces and manage the specific extraction models supported by your account, making record keeping effortless.

F Quality Score 3.6/100

document-parsing | data-extraction | resume-processing | invoice-processing | idp | structured-data

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vinkius.com/mcp/affinda

SCAN TO VIEW

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.

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.

Affinda MCP

5 tools available
Cloud-hosted on Vinkius

When you connect Affinda through your AI client, you gain powerful intelligent document processing (IDP) capabilities right inside your chat window or IDE. It takes messy files—like a stack of paper invoices or dozens of candidate resumes—and turns them into organized, usable data structures. Your agent doesn't just read the documents; it understands them. You can upload an image of an ID and immediately get verifiable details like names and numbers. Need to track status? You can list all your active workspaces and see exactly where every document stands in the parsing queue. The bottom line is, you stop wasting time copy-pasting data from one file into a spreadsheet. Just let your agent handle the extraction. Since Vinkius hosts over 4,000 MCPs, connecting here gives you immediate access to this powerful tool alongside countless others for every part of your business.

Core Capabilities

01 — Parse documents from URLs or uploads

Send a PDF or image link and initiate high-accuracy JSON extraction for structured data.

02 — List all document workspaces

Retrieve an overview of every dedicated workspace where Affinda stores processed files.

03 — Audit documents within a workspace

Get a list of all parsed documents in a specific space, along with their current processing status.

04 — Check the status and metadata of one file

Retrieve the full JSON data, technical details, and current parsing status for a single document.

05 — Identify supported document models

List exactly which types of documents your account can process (like Resume or Invoice).

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP and provide your Affinda Bearer Token credentials.

02 Your AI client connects, giving it permission to interact with your document workspaces.

03 You simply tell your agent what you need—for example, 'Check the status of all invoices in the Accounts Payable workspace'—and get the structured data back.

The bottom line is, you use natural conversation instead of navigating separate web dashboards to manage and extract data from all your files.

Built For

Anyone drowning in paperwork or digital documents needs this. If you spend time manually extracting details from receipts, resumes, or IDs, this MCP is for you. It lets specialized teams—from HR to Finance—run complex data audits without leaving their primary workflow.

Recruitment Manager

Screens candidate files by asking the agent to automatically extract key metadata from uploaded resumes.

Accounts Payable Specialist

Audits incoming invoices, verifying payment details and checking if the necessary fields were extracted correctly before approval.

Compliance Officer

Retrieves parsed identity documents across different workspaces to run risk assessments or verify credentials for regulatory checks.

Operations Manager

Monitors the entire document processing workflow, listing and checking the status of large batches of mixed files.

What Changes When You Connect

01 Automate candidate screening: Use the `create_document` tool to upload resumes, letting your agent pull out structured metadata instantly.

02 Maintain full oversight: The `list_workspaces` capability lets you see all document containers in one place, so nothing gets lost.

03 Verify data quality: Check processing errors or missing fields by using the `get_document` tool to audit any file's raw JSON output.

04 Keep track of volume: Quickly run through all files in a workspace with `list_documents`, knowing exactly how many documents you've processed.

05 Manage model scope: Use `list_document_types` when onboarding new teams; it tells you exactly which parsing models, like Receipt or Invoice, your account supports.

Real-World Applications

Auditing a batch of vendor invoices

An accounts payable clerk needs to verify if 50 recent invoices were processed correctly. Instead of downloading and checking each one, they ask the agent to `list_documents` in the 'AP' workspace, confirming status for all files before payment runs.

Onboarding a new hiring class

An HR manager needs to process 20 resumes from recent applicants. They use the agent to `create_document` with all URLs at once, and then ask for status checks on every file using `list_documents`, ensuring no candidate data was missed.

Compliance audit of identity records

A compliance officer needs to confirm which types of IDs the company accepts. They use the agent's ability to check supported models (`list_document_types`), confirming that both Passport and Driver's License are available for parsing.

Checking document data integrity

A finance analyst receives a tricky invoice PDF. Instead of just trusting the surface numbers, they use the agent to `get_document` on the parsed file, retrieving the full JSON structure to verify every single extracted field.

Patterns to Avoid

Manual data entry from PDFs

✗ AVOID

The user downloads a stack of receipts and has to manually open each one, copy the date, vendor name, and total into a spreadsheet.

✓ INSTEAD

Instead, use the agent's ability to `create_document` with the file URLs. The system extracts everything automatically, giving you structured data ready for your sheet.

Ignoring document status

✗ AVOID

The user uploads 100 documents and assumes they are all done, only to find out half failed processing silently.

✓ INSTEAD

Always run `list_documents` first. This tool lets you audit every file's current processing status so you know exactly which ones need attention.

Using the wrong model type

✗ AVOID

The user tries to extract data from a passport using a resume-specific parsing template, resulting in junk or incomplete fields.

✓ INSTEAD

Before starting, use `list_document_types` to confirm that the specific document (like Passport) is supported by your account's available models.

The Right Fit

Use Affinda if your workflow involves taking data from various unstructured documents—resumes, bills, IDs, etc.—and you need it immediately in a structured format like JSON. This MCP excels at the extraction itself, allowing your agent to see what's available and where every file is located. Don't use this if all your source data already lives neatly in databases or spreadsheets; then you just need an API connector. Also, don’t assume it can fix bad source images; while accuracy is high, complex handwriting still needs human review. If your main pain point is the manual transfer of information from paper or PDFs to a digital system, this MCP is built for that.

Affinda MCP: Automating Resume and Invoice Data Extraction

Currently, when HR needs candidate data, they download a batch of resumes. They open each one, copy the years of experience from one section, manually copy the email address from another, and paste it all into an ATS spreadsheet. This process is slow, error-prone, and involves dozens of unnecessary clicks.

With this MCP, you simply point your agent at the folder of resumes or invoices. It handles the entire job—parsing the file types, identifying the correct fields (like 'Total Amount' on an invoice), and returning a clean JSON object that your system can read immediately. You get structured data without touching a spreadsheet.

Affinda MCP: Managing Document Workspaces and Status

When managing multiple document types (like payroll, compliance, and hiring), the current system requires logging into separate portals or constantly checking status fields to see if a batch job finished. You waste time tracking 'Pending,' 'Failed,' or 'Complete' statuses across tabs.

The MCP solves this by providing centralized visibility. Using tools like `list_workspaces` and `list_documents`, your agent shows you the entire lifecycle of every document—from upload to final structured data retrieval—all from one conversation thread.

Affinda 5 Tools for Structured Data Extraction

Use these tools to manage document workflows, list available workspaces, check status, and initiate high-accuracy JSON extraction on files.

#	TOOL	DESCRIPTION
01	`list_documents`	Retrieves a list of all processed documents in an Affinda workspace, including their processing status.
02	`get_document`	Fetches the complete structured JSON data and current status for one specific processed document.
03	`create_document`	Uploads a PDF or image file via its public URL, triggering high-accuracy JSON extraction into Affinda.
04	`list_workspaces`	Gives you an overview of every container workspace available within your Affinda account.
05	`list_document_types`	Retrieves a list detailing all document parsing models supported by your account, such as Resume or Passport.

See It in Action

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

U I need to process 15 candidate resumes for the Engineering team. Can you handle the whole batch?

Batch Parsing Complete

Successfully processed 15 documents across three workspaces.

- **Candidate A:** Skills: Python, SQL (High). Experience: 7 years.
- **Candidate B:** Skills: Java, AWS. Experience: 4 years.
- **Candidate C:** Status Check: Parsing failed due to poor image quality. Review needed.

U What's the status of the last three invoices I uploaded? I need to confirm they are ready for Accounts Payable.

✅ Invoice Status Report

DOCUMENT ID	FILE TYPE	STATUS	LAST UPDATED
inv-7890	PDF	**Processed**	2 minutes ago
inv-7891	JPG	**Processing**	In progress
inv-7892	PDF	**Error**	Missing Vendor ID. Needs review.

U List all the kinds of documents this system can read, like invoices or IDs.

Supported Document Models:

Affinda supports high-accuracy parsing for several critical document types:

- **Invoices** (Extracts vendor, amount, line items).
- **Passports** (Reads name, ID number, expiry date).
- **Resumes** (Pulls education history, job titles, and skills).
- **Receipts** (Captures transaction details quickly).

Frequently Asked Questions

01 **How do I find all my different workspaces within Affinda MCP using AI agents?**

The MCP provides a simple tool to list all container workspaces, giving you an immediate overview of every dedicated collection point for your documents and processed files.

02 **Can the Affinda MCP process invoices that have complex layouts or multiple line items?**

Yes. It is designed for financial data extraction. When you use it, your agent pulls structured JSON detailing vendor information, amounts, and specific line items.

03 **If I upload a batch of files, how do I know if they all finished processing?**

You don't have to guess. You can use the MCP to list and audit every document in your workspace, seeing its real-time status—whether it's pending or complete.

04 **Is Affinda useful for an HR team needing to process many resumes?**

Absolutely. The platform is built specifically for that. You can upload entire batches of resume PDFs and have your agent pull out structured metadata like job history and skills automatically.

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 `"affinda": { "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

Affinda 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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