

MCP SERVER

NO CODE

CLOUD HOSTED

Convertio MCP for AI Agents

Converting and Normalizing Media and Document Assets

Convertio lets your AI agent convert files instantly across hundreds of formats. You can process everything from Word documents and PDFs to SVGs, audio tracks, and videos without needing specialized software. It handles complex file normalization pipelines for developers and content managers alike.

A+ Quality Score 100/100

file-conversion

format-transcoding

document-processing

media-compression

api-integration



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.

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.

Convertio MCP

8 tools available

Cloud-hosted on Vinkius

Need to turn a proprietary asset into something universally readable? This MCP connects your AI agent to Convertio's massive library of over 300 supported formats. You don't have to manually open, save, and re-export every file type. Instead, you simply tell your agent what needs converting—whether it's turning a complex Markdown document into clean HTML or compressing a large video for web use. Your agent handles the entire process using just a URL. If you're looking for a central place to connect these kinds of services, Vinkius hosts this MCP alongside thousands of others so your client can access everything from one spot.

It's ideal for automating asset pipelines: converting images like SVG to JPG, or managing document workflows by turning Word files into PDFs. Plus, you can monitor the job status and delete old conversions when they're done.

Core Capabilities

01 — Initiate general file conversion jobs

Start a new conversion process for any supported file type using a provided URL.

03 — Quickly generate PDFs from documents

Converts any document found via URL directly into a standardized PDF file.

05 — List active and common formats

Retrieves details on all currently running jobs or lists popular file types the system supports.

02 — Quickly convert images to JPG format

Instantly transforms an image located at a given URL into the standard JPG format.

04 — Monitor ongoing conversion status

Checks if a conversion job is pending, encoding, or complete, providing real-time progress updates.

06 — Manage account credits and jobs

Checks your remaining API credit balance or displays a list of all recent conversion jobs for auditing.

One Click on Vinkius — From Prompt to Execution

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

- 01 You ask your agent to convert a file, providing the source URL and specifying the desired output format.
- 02 The MCP uses that information to start a background job, which may take time depending on the file size or complexity.
- 03 Your agent then monitors the job's status, retrieving the final download link when the conversion is complete.

The bottom line is you tell your agent what files need fixing and formats; it manages the queue until the final output link is ready for you to use.

Built For

This MCP serves media managers, content creators, and developers who deal with assets crossing multiple platforms. If your job involves taking a file from one format (like an SVG) and needing it in another (like PNG or PDF), this is for you.

Content Creator

Needs to take raw media files—say, a brand logo in SVG—and quickly generate multiple web-friendly versions like JPG and PNG for different campaigns.

Developer/DevOps Engineer

Builds automated pipelines that normalize user uploads, ensuring every file type (e.g., converting DOCX to PDF) meets strict project requirements before storage.

Marketing Manager

Manages campaign assets by consolidating disparate media formats—like audio recordings and presentation slides—into a unified set of web-ready files.

What Changes When You Connect

- 01 Generate specific outputs with limited calls. Need a quick JPG version? Use the `quick_convert_to_jpg` tool to instantly resize and format any image URL.
- 02 Maintain control over your resources by checking your credit count using `get_account_balance` before starting large conversion batches.
- 03 Don't lose track of jobs. You can monitor progress in real-time via `get_conversion_status`, ensuring you know exactly when the final download link will be ready.
- 04 Simplify complex pipelines by initiating general conversions with `convert_file`. This handles almost any document or media format pairing.
- 05 Clean up your system easily. Use `delete_conversion_job` to remove old, unnecessary files and jobs from Convertio's servers.

Real-World Applications

Preparing a multi-platform campaign asset package

A marketing team needs all their latest product images (SVGs) converted into optimized JPGs for web use, and accompanying user guides in PDF format. They ask their agent to handle the batch conversion using `quick_convert_to_jpg` and `quick_convert_to_pdf`.

Processing mixed-media content for a podcast

A creator has raw audio and video files. They ask their agent to convert the raw media using `convert_file` so that all assets are in common, compatible formats for immediate uploading to a hosting platform.

Automating a developer upload validation step

A development pipeline receives user documents in various formats (DOCX, ODT). The agent uses the general conversion tool to ensure every single submission is normalized into PDF before being allowed into the main database.

Auditing historical asset conversions

A project lead needs to know which files were converted last week and their current status. They use `list_active_jobs` or check the job history through `get_conversion_status` for auditing.

Patterns to Avoid

Treating all file formats as interchangeable

✗ AVOID

Trying to process a complex video file using only document conversion tools, resulting in an error because the system expects text input.

✓ INSTEAD

Always use ``convert_file`` for media or documents. If you know you just need a quick image format change, specifically call ``quick_convert_to_jpg``.

Ignoring job status and assuming completion

✗ AVOID

Assuming that because the initial conversion request was sent, the file is immediately ready to download, leading to broken links.

✓ INSTEAD

Always check ``get_conversion_status`` first. Wait until the job reports 'complete' before trying to retrieve the final link.

Over-relying on single conversion types

✗ AVOID

Only using a PDF converter when the source file is actually an image that needs JPG optimization.

✓ INSTEAD

Use ``quick_convert_to_jpg`` for images or use general ``convert_file`` to handle complex pairings like SVG to PNG.

The Right Fit

You should use this MCP if your workflow involves converting files from one format to another, especially when dealing with diverse media assets (images, audio, video) and documents. This is perfect for asset normalization or building automated content pipelines. Don't use it just because you need a PDF; if the source material is already clean text, copy-pasting might be faster. If your primary need is complex data extraction from structured PDFs, consider an OCR-specific tool instead. However, if the core problem is simply format incompatibility—like needing to change a proprietary media type into a web standard like JPG or PDF—this MCP provides the necessary tools.

Convertio MCP for AI Agents: Solving Complex Media Format Conversion

Manually managing assets is a nightmare. You open a Word doc, save it as PDF. Then you grab an SVG logo and use an online tool to get the JPG version. If you have 50 documents or 30 images, that means dozens of tabs, manual saves, and constant copy-pasting across different platforms.

With this MCP, your agent manages the whole process automatically. You just point it at a batch of assets and tell it: 'I need everything in PDF format.' The system handles the encoding, conversion, and cleanup, giving you ready-to-use files without ever touching another web page.

Convertio MCP for AI Agents: Managing File Conversion Workflows

The most frustrating part is the uncertainty. Did the job fail? Is it still running, or did I forget to check its status? You waste time guessing if you need to re-run the conversion because the link expired or the process hung.

Now, your agent gives you visibility. It can list all current jobs and provide a definitive status update using `get_conversion_status`. This means you know exactly where every file is in the pipeline—running, complete, or deleted.

8 Tools for Document and Format Conversion

Use these tools to start conversions, check job status, manage credits, or list supported media types with your agent.

#	TOOL	DESCRIPTION
01	<code>convert_file</code>	Starts the process to convert any file type from one format to another using a URL.
02	<code>quick_convert_to_jpg</code>	Converts an image located at a specific URL into JPG format.
03	<code>quick_convert_to_pdf</code>	Converts any document found via URL directly into a PDF file.
04	<code>delete_conversion_job</code>	Removes both the conversion job and its resulting files from Convertio's servers to save space.
05	<code>get_account_balance</code>	Checks how many API credits you have left for file conversions in your account.
06	<code>get_conversion_status</code>	Retrieves the current status of a specific conversion job, telling you if it's finished or still processing.
07	<code>list_common_formats</code>	Lists all the common file formats that Convertio supports for conversions.
08	<code>list_active_jobs</code>	Displays a list of all your current, running conversion jobs.

See It in Action

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

U I have an SVG logo and some user guides. Can you turn them into JPGs and PDFs for my website?



Conversion Plan:

- **Logo:** Converting the SVG file to high-quality JPG.
- **Guides:** Converting the two linked PDF documents.

✓ **Status:** All conversions initiated successfully (IDs: `a8b9c0d1` , `e2f3g4h5`). You'll get notifications when the download links are ready, usually within minutes. Keep an eye on your active jobs list!

U How many conversion credits do I have left and what files are currently processing?



Account Summary

- Remaining Credits: 450 (Your plan allows for up to 25 concurrent conversions).
- Active Jobs:
 1. Video Encoding (ID: `b6a7c8d9`): Status - *Encoding (Estimated time: 5 min)*
 2. Document Convert (ID: `f1e2d3c4`): Status - *Pending.*

Frequently Asked Questions

01 How does the Convertio MCP help me convert different document types?

It lets you process virtually any file format, turning things like Word documents or Markdown files into standard PDFs. You just point your agent at the source URL, and it handles the complex conversion automatically.

02 Can I use Convertio MCP to change image formats, like SVG to PNG?

Yes. The MCP is perfect for media asset management. Whether you need a quick JPG of an existing image or converting a proprietary format like SVG, the agent handles it instantly.

03 Does Convertio MCP track my conversion jobs and status?

Absolutely. Your AI agent can check the job status for any conversion you start. It tells you if the file is still encoding or if the final download link is ready to go.

04 What should I do if I finish a project and don't want to pay for old files?

You can use the MCP to delete specific conversion jobs. This removes both the job record and any generated files from the Convertio servers, keeping your account clean.

05 Is Convertio MCP better than using multiple online converters?







Yes. Unlike scattered websites, this MCP centralizes everything. You manage conversions through your agent's chat interface and get access to hundreds of formats without leaving your workflow.

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>"convertio": { "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

Convertio 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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