

MCP SERVER

NO CODE

CLOUD HOSTED

# CloudConvert MCP for AI Agents

## Automating Multi-Format Document and Media Processing

CloudConvert handles complex file conversions and processing jobs programmatically. Connect this MCP to automate format transformations for over 200 types, including PDF, DOCX, images, and video. You can track job status, manage conversion quotas, and run full workflows directly from your AI client.

**A+** Quality Score 100/100

file-conversion

format-transformation

document-processing

media-processing

automation

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

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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.

# CloudConvert MCP

8 tools available

Cloud-hosted on Vinkius

This connector lets you take full control of file processing without leaving your chat interface. Forget manually uploading files to a web dashboard just to check if they finished converting or optimizing. Instead, you talk to your agent, tell it what files you need transformed—whether it's turning a PDF into editable text or transcoding a video clip—and the MCP handles the rest.

It gives your AI client visibility across the entire conversion process. You can list all recent jobs, check the status of individual tasks, and even retrieve details about your account credits. If you're building an automated system, this integration lets you monitor webhooks for real-time job completion notifications. Because it works with any MCP-compatible client via Vinkius, integrating complex file logistics is simple; just connect once to access all the power.

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## Core Capabilities

**01 — Start a new conversion or processing job**

Creates a multi-format job for transforming files using over 200 supported formats.

**03 — Monitor individual task progress**

Checks detailed information, including status and results, for any single processing task within a larger job.

**05 — Manage user account details and credits**

Retrieves information about the authenticated user profile, including remaining service credits.

**07 — Monitor configured webhooks**

Lists your setup for receiving real-time notifications when jobs complete.

**02 — Get the status of an entire job**

Retrieves the overall result and current status details for a specific conversion job ID.

**04 — List all recent jobs**

Gathers a list of your most recently processed conversion jobs for quick auditing.

**06 — List available operations**

Shows which common file optimization or processing actions are supported by the API.

# One Click on Vinkius — From Prompt to Execution

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

- 01 Subscribe to this MCP and provide your CloudConvert API Key in the client's settings.
- 02 Your AI client sends a natural language request, specifying the file types and desired output formats.
- 03 The MCP executes the conversion job, providing status updates and final results directly back to your conversation thread.

The bottom line is that you use this MCP through your AI client to manage complex multi-format conversions without needing to open a separate dashboard.

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## Built For

Anyone dealing with multiple file types needs this. If your job involves taking PDFs, optimizing images, and then turning those into videos, you're running into the pain point of switching between tools. This MCP lets you automate that entire pipeline using simple conversation.

### Content Creator

Needs to batch process images (resize/optimize) and convert video formats for social media campaigns.

### Developer / Automation Engineer

Must programmatically check conversion job statuses and audit the results of background file processing tasks without writing extensive API wrapper code.

### Office Team Lead

Requires quick, conversational transformation of documents—for example, optimizing a PDF or converting DOCX files for team review straight from their chat interface.

## What Changes When You Connect

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- 01 Automation of complex workflows: Don't manually handle file types. Use `create_conversion_job` to run jobs that transform hundreds of formats—from PDF to DOCX, or image optimization—in a single prompt.

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  - 02 Real-time job oversight: Need to know if the video transcoding finished? Call `get_conversion_task_details` to check specific task statuses and results instantly, eliminating dashboard waiting time.

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  - 03 Centralized account management: Use `get_my_cloudconvert_profile` to query your remaining credits. You always know how much processing power you've left without logging into another site.

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  - 04 Comprehensive job history: Instead of scrolling through endless tabs, run `list_conversion_jobs` and get a clean summary of all recent file transformations for audit purposes.

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  - 05 Flexible workflow setup: Use the MCP to monitor configured webhooks via `list_cloudconvert_webhooks`, allowing your agent to react instantly when a job finishes processing.

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  - 06 Visibility into operations: Need to know what's possible? Run `list_available_conversion_ops` to see all supported file enhancements and optimization types.
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## Real-World Applications

### Bulk optimizing assets for a website launch

A content creator needs to take 50 raw PNG files, optimize them, and convert the batch into web-ready JPGs. They ask their agent to run `create_conversion_job` specifying the input types and output formats. The MCP executes the job, saving hours of manual resizing and format changes.

### Auditing a large corporate document migration

A developer is migrating old client documents. They run `list_conversion_jobs` to check every conversion attempt for accuracy. If one fails, they use `get_conversion_job_details` to pinpoint the exact failure point and fix it programmatically.

### Managing a video content pipeline

A marketing team needs multiple video versions (16:9 for YouTube, 9:16 for Stories). They use `create_conversion_job` to batch transcode the master file into all required aspect ratios simultaneously. The agent tracks progress using task details until every version is ready.

### Verifying webhook delivery for external systems

An automation specialist needs confirmation that their third-party system can receive job completion notices. They use `list_cloudconvert_webhooks` to verify the endpoint setup and test if real-time notifications are configured correctly.

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## Patterns to Avoid

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### Treating conversions as single actions

#### ✗ AVOID

Trying to process a complex workflow (e.g., PDF > optimize > image format) by running only the `create_conversion_job` function once, assuming it handles all steps automatically.

#### ✓ INSTEAD

Break down the process into distinct calls. Use `list_available_conversion_ops` first to see what's possible, then use `create_conversion_job`, and finally monitor progress using `get_conversion_task_details` for confirmation.

### Ignoring job status checks

#### ✗ AVOID

Asking the agent to process 100 files and then assuming they are all ready immediately, leading to broken workflows because the jobs haven't finished.

#### ✓ INSTEAD

Always check back. After initiating a conversion using `create_conversion_job`, immediately call `get_conversion_job_details` to wait for the job status to move from 'processing' to 'finished'.

### Manually tracking credentials

#### ✗ AVOID

Having to copy and paste API keys or check credit limits in a separate dashboard every time you need to start a new conversion.

#### ✓ INSTEAD

Let the MCP manage it. Use `get_my_cloudconvert_profile` within your agent conversation to confirm credits, keeping all account visibility inside your chat client.

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## The Right Fit

Use this MCP if you need continuous, programmatic control over file processing and format transformation across many formats. It's perfect for developers building background automation or content teams needing reliable batch workflows—think converting PDFs to

editable text or optimizing large media libraries.

Don't use it if your needs are simple: If you only need a one-off conversion that doesn't require status tracking, a basic web tool might suffice. But if the process involves multiple steps (like 'convert AND optimize'), or requires checking job history and credits, this MCP is necessary. It excels at coordinating complex multi-stage file pipelines where reliability and auditability are key.

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## CloudConvert MCP: Automating Multi-Format Document Processing

Right now, dealing with files means switching between tools. You download a PDF for review, then you have to open an image editor to resize it, and finally, you upload the whole batch to a separate video tool just to make it web-ready. It's constant clicking, downloading, renaming, and copy-pasting across five different tabs.

With this MCP, your agent handles the entire logistics chain conversationally. You simply ask for the transformation—say, 'turn these 10 PDFs into optimized image assets.' The system runs `create_conversion_job`, manages all internal steps, and gives you a single result without you ever leaving your chat window.

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## CloudConvert MCP: Managing File Conversion Job Status

Manually tracking job status is painful. You submit a large batch of tasks, and then you have to repeatedly visit the dashboard or call multiple APIs just to check if Task A finished while Job B was still running. It's a constant cycle of waiting and refreshing.

Now, your agent manages it all. After initiating a job, you can ask for status updates. The MCP uses `get_conversion_job_details` or `list_conversion_tasks` to tell you exactly where everything stands—finished, failed, or still processing. It gives you immediate, actionable results.

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## 8 Tools for File Conversion Job Management

Use these tools to create conversion jobs, list job history, check task statuses, and manage account details programmatically.

#	TOOL	DESCRIPTION
01	<code>create_conversion_job</code>	Starts a new file conversion or processing job supporting over 200 formats.
02	<code>get_conversion_job_details</code>	Checks the current status and final results for any specific conversion job ID.
03	<code>get_my_cloudconvert_profile</code>	Retrieves details about your user account, including how many remaining service credits you have.
04	<code>get_conversion_task_details</code>	Gets detailed information for a single processing task within a job.
05	<code>list_conversion_jobs</code>	Lists all conversion jobs that were recently processed or are currently active.
06	<code>list_available_conversion_ops</code>	Provides a list of common, supported file operations like optimization and website capture.
07	<code>list_conversion_tasks</code>	Lists all individual tasks that make up the various conversion jobs.
08	<code>list_cloudconvert_webhooks</code>	Shows which webhooks are configured to send real-time notifications upon job completion.

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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** Can you convert these 15 research papers into editable Word documents and optimize them for viewing?



## Job Status: In Progress

We've started the batch job. The system is handling format conversion (PDF to DOCX) and applying image optimization.

- **Task 3/15:** Finished. Result available here: [Download Link]
- **Task 4/15:** Processing... Expected completion in minutes.

Please wait a moment, and I'll check the overall job status for you.

- U** How many credits do I have left? And what are my most recent conversion jobs?



## Account Summary

You currently have 450 credits remaining. This is enough for approximately two days of moderate processing.

### Recent Jobs:

- `video-transcode` : Status: Finished (2 hours ago)
- `image-optimize` : Status: Finished (Yesterday)
- `pdf-to-docx` : Status: Failed (Error code 403 – Check file permissions)

**U** I need to know all the available operations for my images and documents.



CloudConvert supports a wide variety of advanced operations. Here are some common ones you can add during job creation:

- **Optimization:** Resizing, compression, format adjustment.
- **Capture:** Turning websites into downloadable files.
- **Advanced Processing:** Includes specific tools for PDFs and complex document types.

You can run a new job that combines these actions seamlessly.

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## Frequently Asked Questions

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### 01 How do I use the CloudConvert MCP to convert files through my AI agent?

Simply connect this MCP via Vinkius and ask your agent. You tell it the source file types and the desired destination formats, and the agent handles initiating the job for you.

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### 02 Can the CloudConvert MCP handle large batches of files?

Yes. It's designed for batch processing. You can run jobs that process dozens or even hundreds of files at once, making it ideal for content creators and developers.

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### 03 What if a conversion job fails? Can the MCP help me debug it?

Absolutely. The MCP allows you to check the detailed status of any specific task or job failure using dedicated tools. It pinpoints exactly where and why the process broke.

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### 04 Is this only for documents, or can I convert media files too?

It handles much more than just documents. You can optimize images (PNG, JPG) and transcode videos into different formats, making it a comprehensive media processor.







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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>"cloudconvert": { "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

# CloudConvert 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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