

MCP SERVER

NO CODE

CLOUD HOSTED

Focus Logística MCP

Manage Brazilian Cargo Manifests & Invoicing

Focus Logística manages Brazilian cargo transport paperwork using AI. It lets you issue CT-e and MDF-e documents, check their status, close manifests after delivery, and download required XML files—all through natural conversation with your agent.

A+ Quality Score 100/100

transport-invoicing

cargo-manifests

fiscal-compliance

brazil-tax

logistics-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

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.

Focus Logística MCP

7 tools available

Cloud-hosted on Vinkius

Managing logistics documentation in Brazil is a nightmare of specific forms and deadlines. This MCP connects all that complexity to your AI client. You'll stop manually tracking down authorizations or switching between different government portals. Instead, you just ask your agent what needs to happen next. Need an invoice for freight? Just tell it the route, and it handles issuing the CT-e. Grouping multiple shipments together is simple; you can generate a full cargo manifest (MDF-e) in one go. If a delivery is finished, simply tell your agent to close the manifest record. It manages status checks, cancellations, and ensures you download the correct XML files for accounting compliance—all without you needing deep API knowledge or ever touching a complex web portal. This powerful toolset sits within the Vinkius catalog, giving your AI client access to industry-specific functions that used to require specialized software.

Core Capabilities

01 — Generate transport invoices

The MCP creates official Conhecimento de Transporte (CT-e) documents for all types of freight movement.

03 — Verify document status

You can check the current authorization and operational status of both CT-e and MDF-e documents.

05 — Cancel documentation

If a shipment changes or fails, it allows you to cancel the CT-e with the required justification.

02 — Create cargo manifests

It groups multiple CT-e records into a single, comprehensive Manifest of Cargo (MDF-e).

04 — Finalize delivery records

The MCP marks a manifest as finished (encerrado) once all associated cargo is confirmed delivered.

06 — Prepare compliance files

It downloads the necessary XML records for immediate accounting and legal audits.

One Click on Vinkius — From Prompt to Execution

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

- 01** First, subscribe to this MCP and input your specific Focus NFe API Token and Base URL into Vinkius.
- 02** Next, start by prompting your AI client with the desired action, like 'Emit a CT-e for São Paulo to Rio de Janeiro.'
- 03** The system executes the necessary documentation process and returns confirmation details or the required XML file.

The bottom line is you tell your agent what needs documenting, and it handles the complex sequence of API calls needed to get the job done.

Built For

This MCP is for anyone who deals with physical cargo movement in Brazil but hates paperwork. If you're an accounting firm drowning in client compliance issues, or a logistics manager spending hours clicking through multiple government portals just to get one document status, this saves your sanity.

Logistics Manager

You use it to quickly generate and manage all necessary transport documents (CT-e/MDF-e) without having to access the core transport panel.

Freight Company Owner

You rely on this MCP to handle multiple manifests and transport records efficiently, ensuring continuous operational flow across different shipments.

Accounting Specialist

You use it to retrieve compliant XML files and verify the status of client documents for auditing purposes.

What Changes When You Connect

-
- 01 You generate complex documents like CT-e and MDF-e in minutes, not hours. Instead of filling out forms on a dedicated web portal, you just tell your agent to emit the document, and it handles the entire process.

 - 02 Compliance is simplified. You can download the required XML files using the `download_xml` tool, ensuring everything needed for accounting or legal audits is immediately available without manual file retrieval.

 - 03 Tracking cargo manifests gets easy. Use `consult_mdfe` to check the status of a group shipment, and then use `close_mdfe` once delivery is confirmed—no more guessing if the paperwork is finished.

 - 04 The whole process runs through natural chat. You don't need to memorize API endpoints or navigate complex forms; you simply ask your agent, 'Cancel this CT-e,' and it executes the necessary cancellation using `cancel_cte`.

 - 05 You consolidate multiple steps into one conversation. By first emitting a CT-e and then immediately grouping it with other invoices via `emit_mdfe`, you keep all related documentation in one place.
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Real-World Applications

A shipment needs to be invoiced immediately.

The logistics manager asks their agent, 'Emit a CT-e for the freight from São Paulo to Rio.' The agent executes ``emit_cte``, and the manager gets immediate confirmation of the reference number and status.

Multiple shipments are ready for manifest creation.

The accounting specialist asks their agent to group four completed CT-e records. The agent uses ``emit_mdfe`` to create a single Manifest of Cargo, simplifying the entire compliance package.

A delivery is confirmed and must be finalized.

The freight company employee instructs their agent: 'Close out manifest MDF-001.' The agent runs `close_mdfe`, marking the manifest as finished/encerrado in the system.

Auditors require historical data.

An auditor requests compliance files for a specific cargo group. The specialist tells their agent to run `download_xml` on the relevant MDF-e, providing instant, ready-to-use documentation.

Patterns to Avoid

Manual document tracking**X AVOID**

The user has to log into multiple government portals, manually copy reference numbers, and wait for status updates via email.

✓ INSTEAD

Instead, ask your agent to use `consult_cte` or `consult_mdfe`. It checks the current status instantly through conversation without needing any external logins.

Incorrect document cancellation**X AVOID**

The user tries to cancel a CT-e but forgets the required justification code, causing the process to fail and requiring manual follow-up.

✓ INSTEAD

Use `cancel_cte` through your agent. The system guides you on providing valid justifications, ensuring the cancellation is processed correctly the first time.

Missing compliance files**X AVOID**

After a shipment concludes, the user assumes all records are automatically updated but cannot find the required XML for tax filing.

✓ INSTEAD

Always run `download_xml` after finalizing any movement. This ensures you retrieve the specific file needed for accounting and legal compliance.

The Right Fit

Use this MCP if your job involves managing, tracking, or generating official Brazilian cargo documentation (CT-e, MDF-e). It's essential when you need to perform a sequence of related actions—like first emitting a CT-e and then using that reference number to generate an MDF-e. Don't use it if you only need general information retrieval; for simple lookups, basic search tools might suffice. You should also avoid using this MCP if your workflow requires human sign-off or physical inspection before document generation. This tool is purely

for the digital creation and management of fiscal records. If you are struggling with the core logistics process itself (like figuring out optimal routes), you'll need a different type of planning tool, not just a documentation generator.

The paperwork headache in Brazilian logistics never stops.

Today, if you needed to prove that cargo moved from point A to point B, you'd spend time jumping between multiple government websites. You'd log in here for the CT-e, then over there to see its status. If it was part of a larger shipment, you'd need another login just to create the master manifest (MDF-e). Then, if anything went wrong, canceling or modifying any document meant logging back into yet another system and manually filling out forms.

Now, your agent handles that entire sequence in plain language. You tell it what needs documenting—whether you're emitting a new CT-e or consolidating manifests with `emit_mdfe`. The AI manages the necessary API calls behind the scenes, giving you instant confirmation without ever showing you a complex dashboard.

Focus Logística MCP delivers compliant documentation instantly.

The process of checking status and downloading XMLs used to be a multi-step chore. You had to find the record, click 'status,' wait for the page to load, then manually download the XML file into a separate compliance folder.

With this MCP, you ask your agent to check the status or download the XML directly. The result comes back as actionable data in your chat window. It's a fundamental shift from navigating systems to simply asking questions.

Focus Logística: 7 Tools for Logistics Compliance

These tools allow you to perform every critical action in managing Brazilian cargo documentation, from creating new invoices to finalizing manifests.

#	TOOL	DESCRIPTION
01	close_mdfe	Marks a Manifest of Cargo (MDF-e) as completed after delivery is confirmed.
02	consult_cte	Checks the current operational status and authorization details for a specific CT-e document.
03	consult_mdfe	Retrieves the current status of an entire Manifest of Cargo (MDF-e).
04	download_xml	Downloads the required XML file for either a CT-e or MDF-e record.
05	emit_cte	Creates and issues an official Conhecimento de Transporte (CT-e) document.
06	emit_mdfe	Generates a Manifest of Cargo (MDF-e) that groups multiple transport invoices together.
07	cancel_cte	Cancels an existing CT-e document, provided a valid reason is supplied.

See It in Action

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

U Emit a CT-e for a freight of R\$1,200.00 from SP to RJ.



CT-e emitted successfully! Reference: CTE-001. Status: Authorized.

U Close the MDF-e reference MDF-001.



MDF-e MDF-001 closed successfully.

U Download the XML for CT-e reference CTE-001.



XML downloaded. Ready for accounting integration.

Frequently Asked Questions

01 How do I use Focus Logística MCP to emit a new transport invoice?

You initiate the process by asking your agent to 'Emit a CT-e.' The system will prompt you for the necessary details, like origin, destination, and freight value, before generating the document.

02 Can Focus Logística MCP group multiple shipments?

Yes. To combine several CT-e documents into one file, use the `emit_mdfe` tool. This creates a single Manifest of Cargo (MDF-e) for easier compliance tracking.

03 What if I need to cancel an existing document?

You run the `cancel_cte` tool, making sure you provide a valid justification reason. The agent handles the required protocol steps to successfully void the record.

04 Where do I find the XML files for tax purposes?

Use the `download_xml` tool. It retrieves the necessary XML records, ready for immediate integration into your accounting software or legal compliance reports.

05 Does Focus Logística MCP work with different types of cargo?







Yes. The system supports various modalities (road, air, rail, waterway), allowing you to manage transport invoices regardless of how the freight moves.

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>"focus-logistica": { "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

Focus Logística 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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