MCP SERVER | NO CODE | CLOUD HOSTED

OptimoRoute MCP

Control every step of your delivery journey.

OptimoRoute lets you manage your entire delivery workflow through natural conversation. Use this MCP to create, track, and optimize orders instantly—from checking live driver locations to running full route planning simulations. Take control of every movement in your supply chain without opening a dashboard.

A+ Quality Score 100/100

route-optimization | delivery-management | fleet-management | logistics-analytics

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vinkius.com/mcp/optimoroute-1

SCAN TO VIEW

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.

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.

OptimoRoute MCP

10 tools available
Cloud-hosted on Vinkius

Managing logistics shouldn't mean clicking through ten different tabs just to find out where things are. OptimoRoute lets you talk to your operations data like it's nothing. Need to know if John is stuck on Elm Street? Ask your AI client. Want to see how many orders were delivered last month? Just ask for the analytics. You can use this MCP to handle everything from generating an entirely new delivery order to checking the status of a complex optimization job. All these functions are available through Vinkius, connecting you directly to OptimoRoute's core data. Your agent handles the complexity: it manages your fleet tracking and helps you plan routes while keeping track of every stop sequence required for the day's deliveries.

Core Capabilities

01 — Create and manage delivery orders

You can generate, fetch details on, or wipe out specific delivery orders using precise location data.

02 — View real-time fleet status

Get live coordinates for every driver and check the stop sequence they are following right now.

03 — Plan optimized routes

Start, monitor, and get details on complex route optimization tasks for any given date.

04 — Audit performance metrics

Extract detailed delivery analytics to audit how your logistics performed over specific time periods.

05 — Check planned routes

List all scheduled and planned routes for a specified date to maintain daily visibility.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/optimoroute-1** — connect your AI agent in three steps.

01 Subscribe to this MCP on Vinkius, then paste your OptimoRoute API Key into the connection settings.

02 Your AI client recognizes the toolset and allows you to ask natural language questions about deliveries or routes.

03 The agent executes the necessary commands using the underlying tools, giving you immediate answers like current driver locations or optimization status.

The bottom line is, your AI client turns complex logistics operations into simple conversations.

Built For

This MCP is essential for Operations Managers and Dispatchers who are tired of switching between multiple dashboards just to get a quick status update. If you spend time manually checking driver locations or generating reports, this tool saves hours.

Logistics Manager

Runs the full picture by monitoring planned routes and analyzing historical performance data over weeks.

Dispatcher

Handles immediate, day-to-day tasks like creating new orders or initiating emergency route planning adjustments.

Operations Analyst

Audits delivery performance by pulling specific analytics and verifying stop sequences to find bottlenecks.

What Changes When You Connect

01 Instantly manage orders and fleet status. Instead of navigating multiple forms, simply ask your agent to use `create_order` or `delete_order` to update the manifest immediately.

02 Real-time visibility on demand. Get live driver locations using `get_driver_locations`, allowing you to give customers accurate ETA updates without needing a dashboard open.

03 Automate complex planning. Start route optimization for the week with `start_planning`. You can then use `get_planning_status` to monitor when that massive job finishes.

04 Audit your performance effortlessly. Run a quick query for `get_analytics` and pull detailed reports on delivery efficiency, eliminating manual data compilation.

05 Know what's next. Get the exact sequence of stops a driver must follow using `get_stop_sequence`, ensuring teams never miss a mandatory checkpoint.

Real-World Applications

A driver needs an immediate address verification.

The dispatcher asks their agent to check the details for order #456. The MCP uses `get_order` to pull all necessary location and customer contact information instantly, verifying that the delivery is scheduled correctly.

A last-minute change requires a new stop.

The operations team calls in an urgent delivery. They use the agent to `create_order` with the precise location and date, adding it directly into the active manifest for the next planning cycle.

The fleet needs immediate status checks.

A manager asks: 'Where are all my drivers right now?' The agent executes `get_driver_locations`, providing a clear, consolidated list of current coordinates across the entire city.

Planning for next week's peak volume.

The logistics manager asks to plan routes for Friday. The MCP uses `start_planning` and then allows them to check progress with `get_planning_status`, ensuring the route is ready before the team starts work.

Patterns to Avoid

Only tracking status.

✗ AVOID

Manually logging into the dashboard every hour just to see if a driver passed a checkpoint or where they are right now.

✓ INSTEAD

Use `get_driver_locations` to get real-time coordinates, and then use `list_drivers` to verify which drivers are currently active. This gives you immediate status checks without logging in.

Copying analytics data into a spreadsheet.

✗ AVOID

Running the report on the dashboard and spending 20 minutes copying rows of delivery performance metrics into Excel for review.

✓ INSTEAD

Just ask your agent to run `get_analytics`. It pulls the summarized data directly, giving you clean, ready-to-read performance insights.

Forgetting scheduled stops.

✗ AVOID

Having a list of addresses but no clear order for the team, leading to wasted fuel and time backtracking.

✓ INSTEAD

Use `get_stop_sequence` to receive the precise, optimized order of stops required. This guarantees your drivers follow the most efficient path.

The Right Fit

You should use this MCP if your daily work involves coordinating physical movement across multiple locations and managing complex scheduling constraints. Specifically, if you need to know where a driver is right now (`get_driver_locations`), or if you constantly run into the problem of manual data compilation (e.g., needing `get_analytics`). Don't use this MCP if your primary pain point is purely administrative—like simply listing customer names without any location context, because then a dedicated contact management tool would be better. If your issue is that you need to *create* structured records but don't need the real-time tracking aspect, consider an isolated order management connector instead of this full logistics package.

The Overhead of Managing Daily Deliveries

Today, managing a route means juggling three different screens: one for live driver GPS coordinates, another to plan the optimal sequence of stops, and a third dashboard to generate performance reports. You spend minutes every hour clicking tabs just to piece together where everything is and if you're on track.

With this MCP, your agent handles all that coordination. Instead of jumping between dashboards, you simply ask your AI client for the current fleet status or to run optimization planning. The result is a single, conversational answer—you get instant operational intelligence.

OptimoRoute Gives You Full Control Over Your Delivery Manifest

The manual steps that disappear are the constant checks for driver location and the process of planning routes from scratch. You no longer need to manually initiate optimization tasks or verify if a route is even ready for the next day.

Now, you can treat your entire logistics system as one conversation. Whether it's creating new orders with `create_order` or checking out old analytics with `get_analytics`, the flow is immediate and conversational.

OptimoRoute: 10 Tools for Operations Management

These tools let you handle every aspect of your delivery process directly through natural language commands from your AI client.

#	TOOL	DESCRIPTION
01	`create_order`	Generates a brand new record for a delivery order, including location details.
02	`delete_order`	Permanently removes an existing delivery order from the system records.
03	`get_analytics`	Pulls aggregated data showing how well your overall deliveries performed over time.
04	`get_driver_locations`	Retrieves the current, live coordinates for every driver on the road.
05	`get_order`	Fetches all specific details associated with one single order number.
06	`get_planning_status`	Checks if a previously started route optimization job is complete or still running.
07	`list_routes`	Provides an overview of all routes that are scheduled for a specific date.
08	`get_stop_sequence`	Determines the exact, ordered list of stops a driver must make in their route.
09	`list_drivers`	Returns a list of all active drivers associated with your account.
10	`start_planning`	Initiates the complex process of optimizing routes for maximum efficiency on a chosen date.

See It in Action

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

U Create a new delivery order #ABC-123 for 123 Main St for tomorrow.

Order #ABC-123 has been successfully created for the location '123 Main St' scheduled for 2026-10-25.

U Show me the real-time locations of all my drivers.

I've retrieved the fleet status. Driver John is at (40.7128, -74.0060), Driver Sarah is at (34.0522, -118.2437), and 3 others are currently on their routes.

U Start route optimization for today's pending orders.

Route optimization has been started for 2026-10-24. Planning ID: 98765. You can check the status using the `get_planning_status` tool.

Frequently Asked Questions

01 **How do I check if a planned route has been completed using OptimoRoute MCP?**

You use the `get_planning_status` tool to verify the progress of any optimization job. This tells you whether the planning process is still running, complete, or if an error occurred.

02 **Can I use OptimoRoute MCP to add a new delivery order?**

Yes, simply ask your agent to `create_order`. You just need to provide the necessary location details and scheduling information for the new job.

03 **What is the difference between list_routes and get_stop_sequence in OptimoRoute MCP?**

Use `list_routes` when you want a broad overview of all scheduled routes for a date. Use `get_stop_sequence` when you need the detailed, step-by-step order of stops for one specific driver.

04 **How do I see where my drivers are right now with OptimoRoute MCP?**

You ask your agent to use `get_driver_locations`. This tool pulls the current, real-time coordinates for every active vehicle in your fleet.

05 **Does OptimoRoute MCP help me audit past performance?**

Yes. The `get_analytics` tool lets you extract comprehensive delivery performance metrics so you can easily audit and improve your logistics process over time.

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 `"optimoroute-1": { "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

OptimoRoute 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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