MCP SERVER | NO CODE | CLOUD HOSTED

Activity Transport Rotation MCP

Handle group transit logistics and driver schedules through your AI client.

Activity Transport Rotation MCP manages the moving parts of group transit. It balances driver workloads, tracks vehicle capacity, and builds reliable pickup schedules. Your AI client uses this MCP to coordinate driver rosters, generate arrival timelines, and pull contact sheets for participants or drivers on the fly.

A+ Quality Score 100/100

driver-rotation routing capacity-management logistics scheduling

MAINTAINED BY VINKIUS CLOUD FOR AI AGENTS · OCTOBER 2026
vinkius.com/en/ai-agent-connect/activity-transport-rotation

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.

Activity Transport Rotation MCP

4 tools available
Cloud-hosted on Vinkius

You can stop juggling spreadsheets to manage group transit. This MCP gives your AI client the ability to handle the heavy lifting of transport logistics. Instead of manually checking who is driving or when a vehicle arrives, you just ask your agent to run the numbers. It handles the math of driver rotation to keep workloads fair and uses pickup timelines to ensure your schedules include necessary travel buffers. If a vehicle falls through or you run out of seats, the MCP identifies backup plans so you aren't left stranded. It keeps your driver rosters, contact directories, and transit sequences organized in one place, making it easy to coordinate complex group movements without the manual data entry.

Core Capabilities

01 — Driver Rotation

Your agent uses the roster tool to ensure driver workloads remain equitable.

02 — Schedule Generation

The AI builds chronological pickup sequences with built in travel buffers.

03 — Capacity Management

Your client identifies backup transport plans when primary vehicle capacity is insufficient.

04 — Contact Management

The AI pulls participant and driver directories instantly when needed.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/en/ai-agent-connect/activity-transport-rotation** — connect your AI agent in three steps.

01 Connect the MCP to your preferred client like Claude or Cursor via Vinkius.

02 Ask your agent to retrieve driver rosters or pickup timelines.

03 The AI executes the specific tool to pull the requested logistics data.

04 Your agent presents the organized schedule or contact list to you.

Connecting this MCP to your AI client gives it direct access to your transport data.

Built For

This MCP is built for people managing group movements and vehicle logistics.

Logistics Coordinator

Hands off driver scheduling and route timing to the AI.

Activity Director

Uses the MCP to verify participant contacts and transport capacity.

Fleet Manager

Relies on the tool to manage driver rotations and backup plans.

What Changes When You Connect

01 Balances driver workloads through automated rotation logic.

02 Creates transit schedules that include necessary travel buffers.

03 Provides immediate backup options when vehicle capacity is low.

04 Centralizes driver and participant contact information for quick access.

Real-World Applications

Event Transport

Coordinate pickups for large groups attending scheduled activities.

Staff Rotations

Manage driver assignments to ensure fair work distribution across dates.

Emergency Logistics

Quickly find alternative transport when a primary driver or vehicle becomes unavailable.

Trip Planning

Build detailed arrival timelines for multi stop transit routes.

Patterns to Avoid

Manual Spreadsheet Tracking

AVOID

You try to manually calculate driver hours and vehicle capacity in a spreadsheet before asking your agent for a schedule.

✓ INSTEAD

Let the MCP handle the math. Use `get_driver_roster` to pull the current assignments and let the agent manage the rotation logic.

Ignoring Buffer Times

AVOID

You ask your agent to build a tight schedule that doesn't account for traffic or loading delays.

✓ INSTEAD

Request a sequence that includes travel buffers by using `get_pickup_timeline` to see the realistic arrival windows.

Reactive Capacity Planning

AVOID

You wait until a vehicle breaks down to realize you don't have enough seats for the group.

✓ INSTEAD

Run a capacity check early. If the numbers look tight, use `get_backup_transport_plan` to secure an alternative before the crisis hits.

The Right Fit

Connect this MCP if you manage recurring group movements or fleet rotations where driver fairness and timing matter. Do not connect it if you only handle one-off, single-vehicle trips. The deciding factor is whether you need to manage a rotating roster of drivers and multiple pickup points.

4 Tools for Managing Group Transit and Driver Logistics

These tools handle everything from driver rosters and contact directories to pickup timelines and emergency backup plans.

#	TOOL	DESCRIPTION
01	`get_contact_sheet`	This tool provides a directory of essential contact information for your drivers and participants.
02	`get_driver_roster`	Use this tool to pull a scheduled list of drivers assigned to specific activity dates.
03	`get_pickup_timeline`	This tool generates a chronological sequence of pickup events and estimated arrival times.
04	`get_backup_transport_plan`	This tool identifies alternative transport options if your primary roster fails to meet capacity.

See It in Action

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

U Can you show me the driver assignments for the upcoming activity dates?

The assigned drivers for the requested dates are Driver A, Driver B, and Driver C.

U What is the pickup schedule for trip ID 123 starting from the main station?

The pickup events are: 08:00 AM at Main Station, 08:15 AM at North Gate, and 08:30 AM at South Terminal.

U I need the contact details for the participants in activity 456.

The contacts for activity 456 are: John Doe (Driver) - 555-0101, Jane Smith (Participant) - 555-0102.

Frequently Asked Questions

01 **How does this MCP help with driver scheduling?**

It uses the get_driver_roster tool to provide scheduled lists of drivers for specific dates, helping you manage rotations.

02 **What happens if we don't have enough vehicles?**

The MCP includes a get_backup_transport_plan tool that identifies alternative options when your primary roster cannot meet capacity.

03 **Can I use this with Claude or Cursor?**

Yes, you can connect this MCP to any MCP-compatible client including Claude, Cursor, and Windsurf.

04 **Does it provide contact info for participants?**

Yes, the get_contact_sheet tool provides a directory of essential contact information for both drivers and participants.

05 **How are pickup times calculated?**

The get_pickup_timeline tool generates a chronological sequence of events and estimated arrival times for your routes.

06 **How does the server ensure driver fairness?**

The `get_driver_roster` tool applies rotation rules to distribute assignments evenly among approved drivers, preventing burnout.

07 **What happens if there aren't enough seats for everyone?**

You can use `get_backup_transport_plan` to identify alternative drivers or contingency plans when a capacity shortfall is detected.

08 **Does the timeline include traffic delays?**

Yes, `get_pickup_timeline` allows for a travel buffer to be added to transit durations to account for unexpected delays.

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 `"activity-transport-rotation": { "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

Activity Transport Rotation 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

INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by Activity Transport Rotation. All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

DOCUMENT INFORMATION

Generated	October 2026
MCP Server	Activity Transport Rotation MCP
Server ID	`01a0e552-cb70-7124-855b-9544698b854f`
Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit vinkius.com/en/ai-agent-connect/activity-transport-rotation.

© 2026 Vinkius · vinkius.com · support@vinkius.com