

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Accessible Vehicle Transfer Planner MCP

Manage complex mobility logistics through your AI client.

Accessible Vehicle Transfer Planner MCP handles the heavy lifting of mobility logistics. It matches specific equipment dimensions to vehicle clearances, checks if enough staff are available for a shift, and builds optimized transfer timelines. Your AI agent uses this to prevent scheduling overlaps and ensure every vehicle in your fleet can physically accommodate the equipment being moved.

A+ Quality Score 100/100

accessibility

scheduling

logistics

mobility-equipment

vehicle-transfer



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.

Accessible Vehicle Transfer Planner MCP

4 tools available

Cloud-hosted on Vinkius

You can stop manually cross-referencing vehicle specs and staff rosters. This MCP acts as a specialized planning engine for anyone coordinating the movement of people using mobility equipment. Instead of guessing if a wheelchair will fit in a specific van, you ask your AI client to check the dimensions against your fleet. It handles the math and the logic of timing.

When you plan a sequence of transfers, the MCP builds a timeline that includes necessary buffers so you aren't running behind. It also acts as a safety net by flagging resource shortages or overlapping appointments before they become real-world problems. If you need to know if a specific staff member is free to assist with a transfer, the MCP verifies availability instantly. It turns messy logistics into a structured, validated plan that respects both vehicle constraints and human resource limits.

Core Capabilities

01 — Equipment Matching

Your agent checks equipment dimensions against vehicle clearances.

02 — Staff Verification

The AI confirms if enough personnel are available for a specific time slot.

03 — Timeline Generation

The MCP creates transfer sequences that include built-in time buffers.

04 — Conflict Detection

Your client identifies resource shortages or scheduling overlaps automatically.

05 — Fleet Optimization

The tool selects the right vehicle from your fleet based on physical constraints.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/accessible-vehicle-transfer-planner — connect your AI agent in three steps.

- 01

Connect your AI client to the Vinkius hosted MCP.
- 02

Provide equipment dimensions or staffing requirements to your agent.
- 03

The MCP runs the math against your fleet and staff data.
- 04

Your agent presents the compatible vehicles, schedules, or conflict alerts.

You connect the MCP to your AI client and start asking questions about your logistics.

Built For

This MCP is built for organizations managing specialized transport and mobility services. It helps move the planning work from spreadsheets to your AI agent.

Logistics Coordinators

They hand off vehicle matching and schedule building to the AI.

Fleet Managers

They use the tool to ensure equipment compatibility across their vehicles.

Disability Service Providers

They rely on the MCP to verify staff availability for client transfers.

What Changes When You Connect

- 01

Reduces errors by matching equipment dimensions to vehicle clearances.
- 02

Prevents scheduling delays by building buffers into transfer timelines.

- 03

Identifies resource shortages before they impact service delivery.
- 04

Automates the verification of staff availability for specialized assistance.

Real-World Applications

Fleet Capacity Planning

Check if a new piece of heavy mobility equipment can be serviced by your existing van fleet.

Daily Transfer Scheduling

Build a full day of client transfers that accounts for staff presence and travel buffers.

Conflict Resolution

Run a proposed schedule through the MCP to find overlapping appointments or missing staff.

Staffing Management

Verify that enough specialized assistance is on hand for a specific window of time.

Patterns to Avoid

Ignoring physical constraints

❌ AVOID

You assume a large motorized wheelchair will fit in any standard van in your fleet without checking.

✓ INSTEAD

Use ``find_compatible_vehicles`` to confirm the equipment actually fits the vehicle dimensions first.

Overlooking staff shortages

❌ AVOID

You schedule a complex transfer for 10:00 AM but forget to check if enough drivers are on shift.

✓ INSTEAD

Run ``validate_assistance_availability`` to ensure you have the right number of people ready to help.

Underestimating travel time

❌ AVOID

You book back-to-back transfers with zero gap between them, causing a cascade of delays.

✓ INSTEAD

Let ``calculate_transfer_schedule`` build the timeline with built-in buffers to prevent these delays.

The Right Fit

Connect this MCP if you manage a fleet that handles mobility equipment and requires coordinated staff support. Do not connect it if your transport service only moves able-bodied passengers in standard vehicles. The decision rests on whether your scheduling depends on physical equipment dimensions and specific staff availability.

4 Specialized Tools for Accessible Transport Planning

These tools handle the math and logic for matching mobility equipment to vehicles and staff.

#	TOOL	DESCRIPTION
01	detect_transfer_conflicts	This tool scans your proposed plans for errors. It identifies overlapping appointments, missing resources, or physical mismatches.
02	find_compatible_vehicles	This tool checks your fleet for suitability. It finds which vehicles can physically fit a specific piece of mobility equipment.
03	calculate_transfer_schedule	This tool builds a proposed timeline for a series of transfers. It automatically includes the necessary time buffers between moves.
04	validate_assistance_availability	This tool verifies staffing levels. It confirms if the required amount of human assistance is available during your requested window.

See It in Action

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

U Which vehicles can fit a wheelchair that is 60cm wide, 100cm long, and 110cm high?



The following vehicles are compatible: Vehicle_ID_A1, Vehicle_ID_B2.

U Check if specialized assistance is available tomorrow between 10:00 AM and 12:00 PM.



Yes, specialized assistance is available with 2 staff members currently scheduled.

U Are there any conflicts in my current transfer plan?



No conflicts detected. All vehicle assignments, assistance levels, and time windows are valid.

Frequently Asked Questions

01 How does the MCP ensure a wheelchair will fit in a vehicle?

The `find_compatible_vehicles` tool compares the specific dimensions of the mobility equipment against the physical clearances of your vehicles.

02 Can this MCP help with staff scheduling?

Yes. The `validate_assistance_availability` tool checks if the necessary level of human assistance is available during your requested time window.

03 What happens if two transfers are scheduled at the same time?

The `detect_transfer_conflicts` tool identifies overlapping appointments and flags them as errors in your plan.

04 Does the schedule include extra time for transitions?

Yes, the `calculate_transfer_schedule` tool generates timelines that include necessary buffers between transfers.

05 Which AI clients can I use with this MCP?

You can use this MCP with any compatible client, including Claude, Cursor, Windsurf, and VS Code.

06 How does the system ensure a wheelchair will fit in a vehicle?

The `'find_compatible_vehicles'` tool compares the width, height, and length of the mobility equipment against the door opening and internal floor space of the vehicle fleet.

07 Can I check if staff are available for a specific time?

Yes, you can use `'validate_assistance_availability'` to check if the required assistance level is available during your requested time window.

08 How are scheduling delays handled?

The `'calculate_transfer_schedule'` tool incorporates mandatory transfer buffers between consecutive moves to prevent delays from causing missed appointments.

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>"accessible-vehicle-transfer-planner": { "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

Accessible Vehicle Transfer Planner 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 Accessible Vehicle Transfer Planner. 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	Accessible Vehicle Transfer Planner MCP
Server ID	01a0ed25-9f60-709d-8836-7f9a5983e3c4
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/accessible-vehicle-transfer-planner.