

MCP SERVER

NO CODE

CLOUD HOSTED

Accessible Delivery Handoff Plan MCP

Match delivery logistics with your personal accessibility requirements.

Accessible Delivery Handoff Plan MCP bridges the gap between standard delivery logistics and your specific physical or situational needs. It lets your AI client reconcile carrier constraints from providers like FedEx or UPS with your own requirements for drop locations, weight limits, and authorization. You can generate driver instructions, create workflows, and manage multi-provider setups through a single interface.

A+ Quality Score 100/100

delivery

accessibility

logistics

workflow

automation



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 Delivery Handoff Plan MCP

4 tools available

Cloud-hosted on Vinkius

You shouldn't have to fight with standard delivery protocols to get packages where they actually need to go. This MCP handles the heavy lifting of translating your accessibility needs into instructions that drivers can actually follow. If you have specific requirements for where a package is dropped, how much weight a person can lift, or who is authorized to sign for a delivery, your AI agent can now use that data to manage the handoff. Instead of generic delivery notes, you get precise, actionable instructions that account for both the carrier's rules and your personal constraints. It's about making sure the last mile of delivery respects your physical space and capabilities.

Core Capabilities

01 — Constraint Reconciliation

Your agent compares carrier limits with your personal accessibility requirements.

02 — Driver Instruction Generation

The MCP writes specific text for drivers to follow during a handoff.

03 — Workflow Definition

It builds step by step sequences for drivers to confirm successful deliveries.

04 — Failure Management

The tool generates messages for you or contacts if a delivery attempt fails.

05 — Profile Configuration

It creates checklists to verify your delivery profiles are set up right.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/accessible-delivery-handoff-plan — connect your AI agent in three steps.

- 01 Connect your preferred MCP client to the Vinkius platform.
- 02 Provide your accessibility constraints and carrier details to your AI agent.
- 03 Ask the agent to generate instructions or workflows using the MCP tools.
- 04 Use the outputted text or checklists to manage your deliveries.

Connect your client to Vinkius and start managing handoffs through your AI agent.

Built For

People who rely on specific delivery conditions due to physical accessibility needs or unique home layouts.

Individuals with mobility constraints

They use the MCP to ensure packages are left in reachable or safe locations.

Logistics Coordinators

They use the tool to manage complex handoff workflows for specific users.

Accessibility Advocates

They use the MCP to bridge the gap between standard shipping and user needs.

What Changes When You Connect

- 01 Reduces failed delivery attempts by providing precise driver instructions.
- 02 Matches carrier capabilities with personal weight and location limits.

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- 03 Automates the creation of driver confirmation steps.
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- 04 Standardizes handoff protocols across different delivery providers.
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Real-World Applications

Weight Limit Management

Your agent flags deliveries that exceed your physical ability to move packages.

Secure Drop Locations

The MCP generates instructions to place items in specific, accessible spots like a porch or side gate.

Failed Delivery Response

It quickly drafts messages to notify you when a driver cannot complete a handoff.

Multi-Carrier Setup

You use the checklist tool to ensure all your shipping profiles are consistent.

Patterns to Avoid

Generic Delivery Notes

❌ AVOID

You type 'leave at door' into a shipping app and hope the driver can reach it without you needing to lift a heavy box.

✓ INSTEAD

Use ``generate_delivery_instructions`` to create specific text that accounts for your physical limits and exact drop-off spots.

Manual Profile Audits

❌ AVOID

You spend an hour checking every single shipping account to make sure your accessibility requirements are saved correctly.

✓ INSTEAD

Run ``build_provider_setup_checklist`` to quickly verify that your delivery profiles are consistent across all providers.

Reactive Failure Management

❌ AVOID

You wait until a package is marked as 'undeliverable' before trying to figure out why the driver couldn't complete the handoff.

✓ INSTEAD

Set up a `create\_confirmation\_workflow` to define exactly how a driver confirms a successful drop-off before they leave.

The Right Fit

Connect this MCP if you have specific physical requirements or home layouts that standard shipping protocols ignore. Do not connect it if you have a standard doorstep where any package can be left without issue. The decision depends on whether your current delivery experience requires manual intervention to ensure safety and accessibility.

4 Tools for Managing Accessible Delivery Handoffs

These tools translate your physical constraints and home layout into actionable driver instructions and delivery workflows.

#	TOOL	DESCRIPTION
01	generate_delivery_instructions	This tool creates specific text instructions for drivers to ensure they meet your accessibility needs during a handoff.
02	build_provider_setup_checklist	Use this to get a checklist that ensures your delivery profiles are configured correctly across different providers.
03	create_confirmation_workflow	This tool defines the specific, step by step operational sequence a driver must follow to confirm a successful handoff.
04	generate_escalation_messages	This tool produces messages to send to you or a secondary contact if a delivery attempt fails.

See It in Action

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

U Generate delivery instructions for a 5kg package being delivered by FedEx to my front porch.



Please leave the 5kg package at the front porch. Ensure it is placed securely away from the walkway.

U Create a confirmation workflow for a secure location requiring a signature via SMS.



1. Verify access to the secure location. 2. Contact the resident via SMS. 3. Obtain the required signature. 4. Confirm delivery.

U What should I do if the delivery failed because the weight limit was exceeded?



The delivery could not be completed because the item weight exceeds your specified handling limit. Please contact the provider to arrange a different handoff method.

Frequently Asked Questions

01 How does this MCP help with accessibility?

It allows your AI agent to translate your physical needs, like weight limits or specific drop spots, into instructions that drivers can follow.

02 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.

03 Can I use this with FedEx or UPS?

Yes, the MCP is designed to reconcile your needs with the constraints of major providers like FedEx and UPS.

04 What happens if a delivery fails?

The MCP includes a tool to generate escalation messages for you or a secondary contact when a delivery attempt is unsuccessful.

05 Do I need to host this myself?

No, Vinkius hosts and manages the MCP for you, so it is ready to use as soon as you connect your client.

06 How do I generate instructions for a specific driver?

You can use the `generate\_delivery\_instructions` tool by providing the provider name, the chosen drop location, and the item weight.

07 Can this tool handle failed delivery attempts?

Yes, the `generate\_escalation\_messages` tool produces ready-to-send messages for users or contacts when a handoff fails.

08 How do I ensure my delivery profiles are consistent?

Use the `build\_provider\_setup\_checklist` tool to generate a configuration task list for all your selected delivery providers.

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-delivery-handoff-plan": { "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 Delivery Handoff Plan 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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DOCUMENT INFORMATION

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Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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