MCP SERVER | NO CODE | CLOUD HOSTED

KuaiDi100 MCP

Track Chinese shipments without opening a browser.

KuaiDi100 MCP connects your AI agent to China's dominant logistics tracking platform, providing immediate visibility into complex supply chains. Instead of navigating carrier websites or manually entering numbers, you simply ask your agent for status updates, price estimates, or delivery timelines for any package in the region.

A+ Quality Score 100/100

package-tracking | carrier-identification | logistics-automation | real-time-notifications | shipment-status

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vinkius.com/mcp/kuaidi100

SCAN TO VIEW

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.

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.

KuaiDi100 MCP

8 tools available
Cloud-hosted on Vinkius

Managing international shipping requires juggling multiple carrier portals and deciphering cryptic tracking codes. KuaiDi100 makes that process disappear. This MCP gives your AI client direct access to China's top logistics network. You can ask your agent things like, "What's the ETA for my order from Shanghai?" or "How much will it cost to ship this 5kg box to Shenzhen?" and get a precise answer instantly. It handles real-time status checks, automatically figures out which carrier is involved with just a tracking number, and even gives you price quotes before you commit to shipping. You never have to visit the KuaiDi100 website yourself; your agent does all that heavy lifting for you. Through Vinkius, this MCP lets you manage everything from simple status checks to setting up automated alerts, turning complex global logistics into a straightforward conversation.

Core Capabilities

01 — Track package movements

Retrieve the current and historical location data for any shipment.

02 — Determine carrier identity

Automatically figure out which shipping company owns a given tracking number.

03 — Get cost estimates

Calculate the expected shipping price for specific weights and routes.

04 — Predict delivery dates

Estimate how long it will take a package to reach its destination.

05 — Set up alerts

Activate push notifications that alert you when the status of a shipment changes.

06 — Create shipping orders

Generate an official e-waybill for printing and submitting a new shipment order.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/kuaidi100** — connect your AI agent in three steps.

01 Subscribe to this MCP, providing your required KuaiDi100 Customer ID and API Key.

02 Connect the credentials to your preferred AI client (like Cursor or Claude).

03 Ask your agent a natural language question, such as 'What's the status of my package with number X?'

The bottom line is you tell your agent what you need; it handles all the complex API calls and returns simple, actionable data.

Built For

Logistics operations managers, e-commerce fulfillment teams, and international supply chain coordinators. If your job involves tracking packages crossing borders or coordinating with Chinese carriers, this MCP cuts out the manual spreadsheet work.

E-commerce Operations Manager

Needs to monitor hundreds of inbound shipments daily and automate customer status updates without jumping between multiple carrier sites.

Supply Chain Planner

Uses the MCP to check carrier availability, estimate costs for new routes, and quickly audit delivery performance across different carriers.

Customer Support Specialist

Provides instant, accurate shipping status updates to clients using a unified AI interface instead of calling the tracking hotline.

What Changes When You Connect

01 Instead of logging into five different carrier websites, your agent handles all tracking requests. You just ask for the status, and you get it immediately.

02 Stop guessing which company is running the shipment. The `identify_carrier` tool instantly tells you the responsible party from a single number.

03 Before quoting a client on shipping costs, use `query_shipping_price` to pull live estimates across multiple carriers for comparison.

04 Get visual confirmation of where packages are. Use `get_map_tracking` to visualize the actual journey instead of just reading text updates.

05 You can automate customer service completely. The `subscribe_tracking` tool sets up alerts, so your agent notifies you the moment a key status change occurs.

Real-World Applications

Inventory audit after customs delay

A warehouse manager needs to know exactly where three different shipments are stuck. They ask their agent, 'What's the real-time status and map location for these three numbers?' The agent uses `track_package` and `get_map_tracking` across all numbers and presents a single, unified report.

Quoting a client on cross-country logistics

A sales rep needs to give a fast price quote for a new client. They ask their agent to 'Estimate the shipping cost for 10kg from Shanghai to Chengdu.' The agent uses `query_shipping_price` and provides immediate, detailed options.

Handling a major shipment failure

A logistics coordinator receives an alert that a package is delayed. They tell their agent, 'What's wrong with this tracking number?' The agent uses `identify_carrier` first to confirm the company, and then runs `estimate_delivery_time` to give a revised ETA.

Setting up high-volume fulfillment

An e-commerce team needs to process 50 outgoing orders. They prompt their agent: 'Generate the waybills and track these first five shipments.' The agent uses `submit_shipping_order` for the new batch, then runs `track_package` on the existing ones.

Patterns to Avoid

Treating tracking as a manual process

✗ AVOID

The user manually copies and pastes 15 different tracking numbers into ten separate carrier websites to get a single status report.

✓ INSTEAD

Instead, ask your agent to 'Track the status for all these shipments.' The agent uses `track_package` repeatedly in one call, compiling all data instantly.

Ignoring cost variability

✗ AVOID

Assuming a single flat rate when budgeting for international sales because they only checked one carrier's website.

✓ INSTEAD

Always use `query_shipping_price` before quoting. This tool compares costs and availability across different carriers, giving you the best options.

Over-relying on text descriptions

✗ AVOID

Reading a status update like 'In transit' without knowing if it actually left the hub or is just waiting for customs clearance.

✓ INSTEAD

Request `get_map_tracking`. This gives you map data, showing exactly where the package physically is and confirming its movement.

The Right Fit

Use this MCP if your core job function revolves around knowing the 'where' and 'when' of goods moving through China. If you routinely need to determine carrier identity from a number, compare shipping costs across multiple services, or get real-time status updates without manual website visits, this is for you. Don't use it, however, if your primary need is managing inventory records (use a dedicated database MCP) or handling payments/invoicing (use a financial service MCP). If you only need to know which carriers *could* handle a route but don't care about the actual package status, `check_carrier_availability` handles that specific check without needing full tracking credentials.

The manual work of international logistics is exhausting.

Today, checking a shipment's status means opening your browser and navigating to multiple carrier websites. You have to manually copy the tracking number into each site, wait for page loads, and then spend time reading through fragmented updates like 'In Transit' or 'Processing.' It's tedious, slow, and prone to human error.

With this MCP, you just ask your agent. The system handles the logins, the data scraping, and the interpretation across all carriers. You get a single, clear status update, whether it's current location data from `get_map_tracking` or a simple ETA prediction.

KuaiDi100 MCP Gives You Full Control Over Shipment Visibility

You no longer have to manually check if the package's status has changed. Using `subscribe_tracking` automatically sets up webhooks, meaning your agent gets notified instantly when a key event happens. This saves you the constant need to refresh pages.

What changes is that your entire logistics process moves from reactive—where you are constantly checking for problems—to proactive. Your AI client acts as your permanent dispatch desk.

KuaiDi100: 8 Logistics Tracking Tools

These tools allow you to check carrier availability, predict delivery times, retrieve map data, identify carriers, query prices, submit orders, subscribe to alerts, and track packages.

#	TOOL	DESCRIPTION
01	`check_carrier_availability`	Checks which carriers service a specific shipping route.
02	`estimate_delivery_time`	Calculates the predicted delivery time between two locations.
03	`get_map_tracking`	Retrieves visual, map-based data showing a shipment's physical route.
04	`identify_carrier`	Uses a tracking number to automatically determine the shipping carrier.
05	`query_shipping_price`	Fetches an estimate for the total cost of shipping based on weight and destination.
06	`submit_shipping_order`	Generates and submits a formal electronic waybill needed to start a shipment order.
07	`subscribe_tracking`	Sets up automated webhooks so you receive real-time notifications when the package status changes.
08	`track_package`	Retrieves a package's current, real-time status using its tracking number.

See It in Action

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

U Track my Shunfeng package with number 'SF123456789'.

I've retrieved the status for your SF Express package. It is currently in transit and arrived at the 'Shanghai Logistics Hub' at 10:30 AM today. It is expected to be delivered tomorrow.

U Identify which carrier uses number 'YT1234567890'.

I've analyzed the tracking number. It most likely belongs to 'YuanTong Express' (yuantong). Would you like me to retrieve the real-time status for this package?

U Estimate the shipping cost for a 2kg package from Beijing to Shenzhen.

I've retrieved price estimates for you. Shipping 2kg from Beijing to Shenzhen would cost approximately ¥18 via Yunda, ¥22 via ZTO, or ¥35 via SF Express (Standard). Which service would you prefer?

Frequently Asked Questions

01 **How does KuaiDi100 MCP handle domestic vs international tracking?**

The MCP handles both types of shipments using the `track_package` tool. It's built on China's leading platform, so it covers all major regional and cross-border routes.

02 **Do I need a phone number to use KuaiDi100 MCP?**

No, the MCP handles the necessary data inputs. While some specific carriers might require recipient details for tracking, your agent can manage this complexity for you when prompted.

03 **Can I use KuaiDi100 MCP to estimate shipping costs?**

Yes, using `query_shipping_price` lets you get detailed cost estimates based on weight and the specific route, helping you quote clients accurately before they ship.

04 **What is the difference between `track_package` and `get_map_tracking`?**

`track_package` gives you the text status updates (e.g., 'Arrived at Hub'). `get_map_tracking`, however, provides a visual map showing the actual geographical movement of the package.

05 **How do I start using KuaiDi100 MCP with my AI agent?**

You subscribe to this MCP and provide your API keys through Vinkius. Once connected, you can ask any compatible client (like Cursor or Claude) to perform logistics actions naturally.

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 `"kuaidi100": { "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

KuaiDi100 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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