

MCP SERVER

NO CODE

CLOUD HOSTED

Douyin Local Life API MCP for AI Agents

Manage order fulfillment and local retail stock levels in China

Douyin Local Life API connects your AI agent directly to China's primary social commerce platform for managing physical retail and hospitality operations. Use it to check shop details, track order status, verify customer coupons, and update product inventory—all from a single conversation.

A+ Quality Score 100/100

local-life

merchant-api

douyin

order-fulfillment

coupon-verification

social-commerce



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.

Douyin Local Life API / 抖音生活服务 MCP

8 tools available

Cloud-hosted on Vinkius

Managing local retail shops or restaurants involves jumping between multiple backend systems: checking the POS, looking up stock in one app, and confirming an order on another. This MCP lets your AI agent handle all that complexity through natural language. You don't need to navigate the Douyin Merchant Center; you just ask for what you need. Your agent can instantly retrieve shop metadata, list recent orders, verify customer coupons, or even check product stock levels across various locations. It acts like having a digital manager on call, giving you accurate, real-time data from one authorized source. Connect this MCP via Vinkius to give your AI client control over the entire local life operational flow.

Core Capabilities

01 — Search and retrieve shop locations

Find metadata for specific shops or search for nearby points of interest.

02 — List and check order status

Pull up a list of recent orders and get the full details for any single transaction.

03 — Verify customer coupons

Check if a given coupon code is valid and confirm if an order can be marked as fulfilled.

04 — Monitor and adjust product inventory

Get current stock counts for products at specific locations, or manually update those levels.

05 — Access core product information

Retrieve detailed metadata about any life service offering or product sold through the platform.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/douyin-local-life-api — connect your AI agent in three steps.

- 01 Subscribe to this MCP and input your Douyin Client Key, Client Secret, and App Private Key.
- 02 Connect your preferred AI client (Claude, Cursor, or any compatible agent) through the Vinkius catalog.
- 03 Ask your AI client a question—like 'What's the stock for product X at shop Y?'—and let it handle the API calls.

The bottom line is you get to manage complex local retail tasks simply by talking to your agent.

Built For

This MCP is built for managers and developers who deal with high-volume, physical commerce operations. If your job involves tracking down an order status or confirming inventory across multiple locations, this tool saves you hours of manual switching between dashboards.

Restaurant Manager

Checking incoming orders and verifying customer coupons immediately after a rush to ensure quick service.

Retail Operations Specialist

Auditing stock levels across different branch locations and updating counts when shipments arrive.

E-commerce Developer

Building automated workflows that need to pull live shop data or process order details for an application.

What Changes When You Connect

- 01 You can instantly list recent orders and pull full details using `list_recent_orders` and `get_order_detail`, eliminating the need to click through multiple dashboards.

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- 02 Avoid overselling products. Use `get_product_stock` before confirming a sale, and immediately adjust counts with `update_product_stock` when inventory changes hands.

 - 03 Speed up customer service: Quickly verify complex coupon codes using `get_verify_code`, ensuring the fulfillment process is secure and fast.

 - 04 Operational visibility improves by letting your agent search for shops (`search_shops`) and retrieve their core metadata (`get_shop_info`) without needing a web browser.

 - 05 Stop relying on manual data entry. The MCP allows you to automate checking product details (`get_product_detail`), keeping all your sales information centralized.
-

Real-World Applications

A restaurant needs to confirm if today's large catering order is ready.

The agent uses `list_recent_orders` and then `get_order_detail` to check the status of the specific transaction. It confirms the order was processed, saving the manager a phone call to the kitchen.

A branch manager needs to audit inventory across three different locations before a holiday rush.

The agent uses `get_product_stock` multiple times for key items and then updates counts using `update_product_stock` when receiving the overnight shipment data.

A retail worker needs to know if a customer's discount code is valid for a current sale.

The agent runs `get_verify_code` with the provided coupon number. It confirms validity and marks the order as ready for fulfillment, keeping the line moving quickly.

A developer needs to build a tool that shows product info based on shop location.

The agent first uses `search_shops` to find POIs nearby, then calls `get_shop_info`, and finally gets specific item data using `get_product_detail`.

Patterns to Avoid

Using the MCP for general business logic

X AVOID

Trying to ask the agent, 'What should my marketing strategy be?' or 'How do I train my staff?' The tool only handles operational data.

✓ INSTEAD

Keep questions focused on specific operations. Use ``get_shop_info`` to get location details, or use ``list_recent_orders`` to pull sales metrics.

Confusing product metadata with live stock

X AVOID

Assuming that because the agent found a product listing via ``get_product_detail``, it means there is inventory available right now. The two are separate data points.

✓ INSTEAD

Always check ``get_product_stock`` after checking product details to get a real-time count before confirming any transaction.

Overloading the agent with too many steps

X AVOID

Asking, 'Find shops, list orders, update stock, and verify coupons' all in one prompt. The agent gets confused.

✓ INSTEAD

Break down tasks. First, use ``search_shops`` to narrow the location, then focus on a single task like checking order status with ``get_order_detail``.

The Right Fit

Use this MCP if your day-to-day job requires tracking physical goods and sales in local commerce. Specifically, you need to check inventory (`get_product_stock`) or manage the lifecycle of an order (from `list_recent_orders` to `get_order_detail`). Don't use it if your core problem is financial accounting; that requires a dedicated ledger system. Similarly, don't use it for general marketing data—you need specific shop and product information. If you only need to find shops by name without checking inventory or orders, then the basic `search_shops` tool might suffice, but this MCP gives you the full lifecycle control.

Douyin Local Life API: Managing Retail Order Fulfillment with AI Agents

Today, processing a single customer order means juggling multiple screens. You check the shop's basic details on one tab, pull up the transaction history in another, verify the coupon code manually, and then check inventory to make sure everything is actually available for shipping or pickup. It's slow, it involves copy-pasting IDs across three different systems, and you always risk an outdated data point.

With this MCP, your agent handles that entire sequence automatically. You ask a simple question—for example, 'What's the status of order 789?'—and it pulls together the shop information, checks the full order details, and validates any associated coupons. You get one clear answer, instantly.

Douyin Local Life API: Automating Product Stock Control for Retail Operations

Inventory management is a manual nightmare. Receiving a shipment means someone has to physically count every item and then remember which system needs updating, leading to discrepancies between the shelf and the database. You might end up with 'ghost stock'—data that says you have product but you don't.

This MCP lets your agent monitor current inventory levels using `get_product_stock` and even perform the necessary updates via `update_product_stock`. The system keeps the digital count accurate, giving your team total confidence in their available stock numbers.

Douyin Local Life API: 8 Tools for Order Fulfillment & Retail Stock

Use these tools to query shop details, list orders, update inventory levels, and verify customer coupon codes through your AI client.

#	TOOL	DESCRIPTION
01	<code>get_order_detail</code>	Retrieves comprehensive information and status updates for a specific placed order.
02	<code>get_product_detail</code>	Fetches all the metadata required for a specific product listing or offering.
03	<code>get_product_stock</code>	Checks and reports the current inventory count for any given product at a store location.
04	<code>get_shop_info</code>	Retrieves general metadata about a specific shop or point of interest.
05	<code>get_verify_code</code>	Validates customer coupon codes and confirms if an order is eligible for fulfillment.
06	<code>list_recent_orders</code>	Provides a summary list of the most recent orders placed at a location.
07	<code>search_shops</code>	Searches for shops or points of interest based on geographic criteria or keywords.
08	<code>update_product_stock</code>	Manually adjusts the inventory count for a product at a specific shop location.

See It in Action

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

U What are the shop details for POI ID 'POL_88210934' and what products do they sell?



Shop Metadata Retrieved:

- **Name:** Tasty Dumplings
- **Status:** Active (Hours: 10am-10pm)
- **Location:** Pudong District, Shanghai

Top Products:

ID	NAME	PRICE
PRD_9920	Premium Set Menu	¥88
PRD_5432	Steamed Dumplings	¥12

The shop is currently accepting orders.

U I need to check the status of an order placed yesterday, and if possible, verify a coupon code '998877' for it.



✓ Coupon Verified: The code '998877' is valid! It applies a 15% discount.

📦 Order Status (ID: 6342):

- **Details:** Premium Set Menu + Steamed Dumplings
- **Status:** Awaiting Fulfillment
- **Next Step:** Ready for pickup in 30 minutes.

U What's the current stock count for 'PRD_9920' at my main branch (POI_8821)?



Inventory Check Complete.

The product **Premium Set Menu** (ID: PRD_9920) currently has 45 units available at the specified shop location. This is a good buffer level, but we should monitor it closely.

Frequently Asked Questions

01 How do I find my Douyin Client Key and Secret?

Log in to the [Douyin Open Platform](<https://open.douyin.com/>), create an application, and you will find your unique Client Key and Client Secret in the application details overview.

02 What is a POI ID?

A POI ID (Point of Interest ID) is a unique identifier for a physical store or location registered within the Douyin ecosystem. It is required for all store-specific operations like inventory management.

03 Can I verify coupons in real-time?







Yes! Use the `verify_order_coupon` tool with the customer's verification code and your POI ID. Your agent will communicate with Douyin to confirm the coupon is valid and mark the order as fulfilled.

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>"douyin-local-life-api": { "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

Douyin Local Life API / 抖音生活服务 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](https://cloud.vinkius.com) →

vinkius.com · support@vinkius.com

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