

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

NYC Taxi & Rideshare Trips MCP

Get official NYC trip data directly through your AI agent.

NYC Taxi & Rideshare Trips MCP provides direct access to official Taxi and Limousine Commission records. Your AI client can pull specific trip details for yellow and green cabs, analyze FHV dispatch logs, and query monthly pickup counts across all 263 official taxi zones. It's built for analyzing demand and validating market trends using real NYC Open Data.

A+ Quality Score 96.67/100

new-york

nyc

taxi

rideshare

tlc

fvh



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.

NYC Taxi & Rideshare Trips MCP

6 tools available

Cloud-hosted on Vinkius

You can pull official NYC TLC trip records to run demand analysis or market research without hunting through government portals. This MCP gives your AI agent the ability to look up specific trip details for yellow and green taxis, including fares, tips, and distances. If you're looking at the ride-hail market, you can query FHV dispatch logs to see pickup and dropoff patterns for Uber and Lyft class vehicles.

Because the data is organized by fiscal year, you just tell your agent which year you're interested in, and it handles the rest. You can also map out activity by querying the 263 official taxi zones or checking monthly pickup counts per industry. It's a fast way to get hard numbers on how people are moving through the city, whether you're looking at individual trip costs or broad monthly trends in specific boroughs.

Core Capabilities

01 — Trip Detail Retrieval

Your agent pulls specific fare, tip, and distance data for individual taxi trips.

02 — Zone Mapping

The AI converts numeric zone IDs into specific names and boroughs.

03 — Market Volume Analysis

Your agent compares monthly pickup counts between yellow cabs, green cabs, and ride-hail services.

04 — FHV Pattern Tracking

The AI analyzes dispatch logs for high-volume ride-hail vehicles.

05 — Data Sizing

The AI counts total trips in a dataset to prepare for larger queries.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/nyc-taxi-rideshare-trips — connect your AI agent in three steps.

- 01
- Connect your AI client to the NYC Taxi & Rideshare Trips MCP via Vinkius.
- 02
- Ask your agent to find a specific zone or trip year.
- 03
- The agent uses the tools to pull data from the TLC datasets.
- 04
- Your agent processes the raw trip or count data to answer your question.

Connect your AI client to Vinkius to start querying NYC trip data immediately.

Built For

This MCP is built for professionals who need to validate urban movement patterns using official city records.

Mobility Analysts

They use the tool to pull trip volumes and fare data for transit modeling.

Market Researchers

They query FHV and taxi logs to compare ride-hail demand against traditional cabs.

Urban Planners

They use zone pickup counts to understand traffic and demand in specific NYC boroughs.

What Changes When You Connect

- 01
- Access official TLC data without needing to manage API keys.
- 02
- Get granular trip details like tolls and tips for specific years.
- 03
- Compare different transport industries across the same geographic zones.

- 04 Directly query NYC Open Data through your existing AI interface.
-

Real-World Applications

Demand Validation

Check if a specific neighborhood actually has high ride-hail demand by querying monthly pickup counts.

Cost Modeling

Analyze yellow taxi fare and tip distributions to build accurate travel cost estimates.

Competitive Analysis

Compare the volume of green cabs versus FHV services in specific boroughs.

Geospatial Research

Map out how trip pickups and dropoffs shift between different taxi zones over time.

Patterns to Avoid

Blindly pulling massive datasets

❌ AVOID

You ask your agent to download every single trip record for the entire year of 2023 immediately.

✓ INSTEAD

Use ``count_taxi_trips`` first to see how large the dataset is so you can manage your query size.

Guessing zone IDs

❌ AVOID

You try to filter trip data using a zone number you think might be correct for Manhattan.

✓ INSTEAD

Run ``list_taxi_zones`` or ``get_taxi_zone`` to confirm the exact ID and borough before running a search.

Ignoring industry differences

❌ AVOID

You use yellow cab trip data to try and model the behavior of Uber or Lyft drivers.

✓ INSTEAD

Use ``search_fhv_trips`` to get the specific dispatch logs and service request flags for rideshare providers.

The Right Fit

Connect this MCP if you need official NYC mobility data for urban planning, market research, or transit analysis. Do not connect it if you are looking for real-time GPS tracking or live vehicle locations. The decision depends on whether you need historical TLC records rather than live telemetry.

NYC Taxi & Rideshare Trips: 6 Specialized Data Tools

These tools provide direct access to official TLC trip records, zone statistics, and rideshare dispatch logs.

#	TOOL	DESCRIPTION
01	count_taxi_trips	This tool counts trips within a specific TLC dataset. Use it to get a sense of the total volume before you pull individual rows.
02	get_taxi_zone	This tool resolves a 3 or 4 digit TLC zone ID into a human-readable name and borough.
03	list_taxi_zones	This tool provides a full list of all TLC taxi zone IDs, names, and their corresponding boroughs.
04	search_fhv_trips	This tool searches through For-Hire Vehicle trip records like Uber or Lyft. You can filter by year and use zone IDs to find specific ride-hail patterns.
05	search_taxi_trips	This tool retrieves detailed records for yellow and green taxi trips. It provides access to fare amounts, tips, tolls, and trip distances for a given fiscal year.
06	search_zone_pickups	This tool pulls monthly pickup and dropoff counts for yellow taxis, green cabs, and high-volume FHV. It is the best way to compare volume across different industries and zones.

See It in Action

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

U Which taxi zone had the most pickups last month?



The `search_zone_pickups` tool can identify the busiest zones by checking the trip counts for the specified month.

U How much does a Manhattan yellow taxi ride cost on average?



You can use `search_taxi_trips` for 2024 yellow taxi data to get specific fare, tip, and toll amounts for Manhattan zones.

U Where do ride-hail pickups cluster around JFK?



First, use `list_taxi_zones` to find the JFK zone ID, then use `search_zone_pickups` to see the FHV volume in that area.

Frequently Asked Questions

01 Do I need an API key to use this data?

No. Vinkius hosts the MCP, so you can use the tools without managing your own API credentials.

02 What years of taxi data are available?

Yellow taxi data is available for 2023 and 2024, while green cab and FHV data covers 2024 and 2025. You can ask your agent to check which years are currently accessible.

03 Can I see Uber and Lyft data?

Yes. The FHV dispatch logs include data for the high-volume ride-hail class, which covers services like Uber and Lyft.

04 How do I find the ID for a specific NYC neighborhood?

You can use the `list_taxi_zones` tool to see all available names and IDs, or use `get_taxi_zone` if you already have a 3 or 4 digit ID.

05 What kind of trip details can I get?

For taxi trips, you can get the fare amount, tips, tolls, congestion surcharges, and total trip distance.

06 Do I need an API key?

No. NYC Open Data serves all public datasets anonymously over its SODA API (data.cityofnewyork.us). This MCP defines no credentials and needs nothing configured.

07 Why do trip tools ask for a year?

TLC publishes trip history year by year (yellow 2023–2024, green 2024, FHV 2024–2025). Each dataset is a separate view, so every trip tool takes a year parameter and tells you the available years when the one you pass is missing.

08 What does the zone data cover?

The zone table maps the city's 263 taxi zones to boroughs with stable location ids, and the monthly series gives pick-up and drop-off counts per zone and industry. Use them to rank busy taxi areas instead of fetching per-trip rows.

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>"nyc-taxi-rideshare-trips": { "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

NYC Taxi & Rideshare Trips 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 NYC Taxi & Rideshare Trips. 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	September 2026
MCP Server	NYC Taxi & Rideshare Trips MCP
Server ID	01a0dfcf-a073-728a-a1eb-85e3062de2cd
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/nyc-taxi-rideshare-trips.