

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 Parks, Trees & Street Life MCP

Get real-time NYC physical infrastructure data through your AI.

NYC Parks, Trees & Street Life MCP provides direct access to New York City's physical infrastructure datasets. Your AI client can query specific street tree risk ratings, locate EV charging stations, check sanitation tonnage by borough, and find local park events or recycling bin locations. It works without requiring your own API keys.

A+ Quality Score 100/100

new-york

nyc

parks

trees

ev-charging

sanitation



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 Parks, Trees & Street Life MCP

7 tools available

Cloud-hosted on Vinkius

You can use this MCP to pull official NYC data directly into your AI workflows. Instead of digging through government portals, you can ask your agent to find specific details about the city's physical layout and services. You can check the condition and species of managed street trees, locate public EV charging ports, or see how much waste a specific borough collected in a given month. It's built for anyone needing quick, factual lookups on city services like litter basket locations, recycling bin sites, or upcoming recreation programs in local parks. Because Vinkius hosts the connection, you don't have to manage any complex API credentials to get these answers.

Core Capabilities

01 — Infrastructure Lookups

Your agent can find the exact location of recycling bins or litter baskets.

02 — Environmental Monitoring

The AI can check tree species and risk ratings for managed forestry points.

03 — EV Planning

Your agent can locate charging stations and review energy usage from past sessions.

04 — Waste Tracking

The AI can pull monthly sanitation tonnage data for any NYC borough.

05 — Event Discovery

Your agent can find scheduled fitness classes and programs in city parks.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/nyc-parks-trees-street-life — connect your AI agent in three steps.

- 01 Subscribe to the NYC Parks, Trees & Street Life MCP on Vinkius.
- 02 Connect your preferred client like Claude or Cursor using the Vinkius connection string.
- 03 Ask your AI agent a specific question about NYC infrastructure.
- 04 The agent calls the relevant tool to fetch real-time data from NYC Open Data.
- 05 Your agent provides the answer directly in your chat interface.

Connecting to this NYC data is a one-time setup that gives your AI immediate access to city datasets.

Built For

This MCP is designed for professionals and residents who need official NYC data without navigating complex web interfaces.

Urban Planners

Use the AI to gather data on EV infrastructure and sanitation needs for neighborhood studies.

Event Coordinators

Hand off the task of finding park programming and local facility locations to your agent.

Environmental Researchers

Use the tool to pull forestry data and waste tonnage for environmental analysis.

What Changes When You Connect

- 01 No API keys required as Vinkius handles all credentials.
- 02 Direct access to official NYC Open Data through a single connection.

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- 03** Fast, text-based queries replace manual searching through city websites.
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- 04** Works with any MCP-compatible client like Claude or Cursor.
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Real-World Applications

EV Infrastructure Mapping

Ask your agent to find all public charging stations on a specific street to plan a route.

Neighborhood Sanitation Audits

Query monthly waste tonnage to compare recycling and refuse levels across different boroughs.

Park Activity Planning

Have your agent find upcoming fitness classes or tours in a specific park.

Urban Forestry Checks

Check the health and risk ratings of specific managed trees in a neighborhood.

Patterns to Avoid

Vague location requests

❌ AVOID

Asking your agent to find all trash cans in New York City at once.

✓ INSTEAD

Be specific about the area. Use ``list_litter_baskets`` with a specific street or borough to get useful results.

Broad time window queries

❌ AVOID

Trying to get all sanitation data for the entire year in one go.

✓ INSTEAD

Request data month by month. Use ``get_sanitation_tonnage`` with a specific YYYY-MM format to avoid overwhelming the response.

Generic tree searches

❌ AVOID

Asking for information on every tree in a specific park.

✓ INSTEAD

Target specific data points. Use ``search_forestry_trees`` to filter by species or risk rating for more precise forestry analysis.

The Right Fit

Connect this MCP if you need official NYC infrastructure data for urban planning, environmental research, or event coordination. Do not connect it if you only need general city trivia or non-official information. The decision rests on whether you require verified Open Data for professional workflows.

NYC Parks, Trees & Street Life 7 Tools

This MCP provides direct access to official NYC Open Data for urban infrastructure, sanitation, and forestry. Use it to pull real-time city service locations and environmental metrics into your AI client.

#	TOOL	DESCRIPTION
01	get_sanitation_tonnage	This tool retrieves monthly DSNY waste collection tonnage. You can filter by a specific month in YYYY-MM format and an optional borough.
02	list_ev_charging_stations	Use this to find NYC electric vehicle charging stations. You can filter results by agency, borough, street, or public availability.
03	list_litter_baskets	This tool provides the locations of NYC litter baskets. You can narrow your search by street, borough, or basket type.
04	list_parks_events	This tool lists scheduled NYC Parks programs, tours, and fitness classes. You can filter by park name, category, or a specific time window.
05	list_recycling_bins	Use this to find curbside recycling bin locations. You can filter by DSNY zone, district, or site type.
06	search_ev_charging_sessions	This tool searches through EV charging session records. It allows you to filter by station name, location, date window, or session status to see energy delivered in kWh.
07	search_forestry_trees	This tool searches for specific NYC Forestry program trees. You can filter by species, object ID, or risk rating for planted and protected trees.

See It in Action

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

What's on at Prospect Park this weekend?



list_parks_events with park "Prospect Park" and start_after the weekend date returns the scheduled program events.

How many EV charging stations are on 8th Ave?



list_ev_charging_stations with street "8th Ave" and public_only "Yes" returns the public stations there with charger type and port counts; search_ev_charging_sessions with a station name shows real usage.

How much waste does Brooklyn collect in a month?



get_sanitation_tonnage with month "2026-08" and borough "Brooklyn" returns that month's refuse, paper, MGP-organics and recycling tonnage for the borough.

Frequently Asked Questions

01 Do I need to sign up for an NYC Open Data API key?

No. Vinkius hosts the connection and manages the data access so you don't need your own keys.

02 Which AI clients can I use with this MCP?

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

03 Can I find specific tree information?

Yes. You can search for managed forestry trees to find species, trunk size, and risk ratings.

04 Does this include EV charging usage data?

Yes. You can list charging stations or search specific charging sessions to see energy delivered in kWh.

05 Is the sanitation data current?

The tool pulls from NYC Open Data, allowing you to query monthly tonnage for any borough.

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 How fresh is this data?

Each set updates on its own cycle: events as the parks program calendar changes, tree attributes from the annual inventory, EV sessions continuously, and sanitation tonnage by month. The response always carries the row's own date fields, so you can see exactly how recent each fact is.

08 Can I look things up by address?

Yes, within each tool's scope: EV stations and litter baskets by street name and borough; recycling bins by DSNY zone/district and site location; trees by object id or species; events by park name.

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-parks-trees-street-life": { "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 Parks, Trees & Street Life 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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Endpoint	https://edge.vinkius.com/{token}/mcp

LICENSE & USAGE

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