

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 Buildings & DOB Permits MCP

Get instant access to NYC property and permit data.

NYC Buildings & DOB Permits MCP provides direct access to the city's building permit and property record stack. Your AI client can pull DOB permit filings, building violations, housing code issues, PLUTO parcel records, and vacant storefront data without needing an API key. It turns NYC Open Data into actionable intelligence for your agent.

A+ Quality Score 96.67/100

new-york

nyc

buildings

dob

permits

pluto



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 Buildings & DOB Permits MCP

8 tools available

Cloud-hosted on Vinkius

You can query the entire NYC building and property data stack through a single interface. Instead of digging through various city portals, you can ask your AI client to find specific permit filings, check for active building violations, or pull zoning details from PLUTO.

Whether you are tracking construction trends in a specific borough or performing due diligence on a single property, this MCP handles the heavy lifting. You can filter DOB permits by work type or status, look up housing code violations by building ID, or analyze commercial vacancy rates using the city's annual storefront survey. It works by connecting your agent directly to the NYC Open Data ecosystem, making complex property research as simple as asking a question.

Core Capabilities

01 — Permit Tracking

Your agent can monitor new construction and alteration filings in real time.

02 — Violation Auditing

The AI can check for active building or housing code violations on any property.

03 — Property Intelligence

Your client can pull zoning, ownership, and assessment data from PLUTO records.

04 — Commercial Vacancy Analysis

The AI can query annual surveys to identify vacant storefronts in specific neighborhoods.

05 — Construction Volume Metrics

Your agent can count total permit activity to size up market trends in a borough.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/nyc-buildings-dob-permits — connect your AI agent in three steps.

- 01 Connect your AI client to the MCP via the Vinkius dashboard.
- 02 Ask your agent a question about NYC buildings, permits, or violations.
- 03 The agent selects the appropriate tool from the NYC data stack.
- 04 The MCP executes the query against NYC Open Data.
- 05 Your agent receives the raw data and presents the answer to you.

Connecting to this MCP gives your AI client immediate access to NYC's property data stack.

Built For

This MCP is built for professionals who need to pull real estate and construction data without manual searching.

Real Estate Researchers

They use the AI to pull zoning and ownership data for property due diligence.

Construction Market Analysts

They use the tool to track permit activity and construction trends across boroughs.

Code Enforcement Monitors

They use the AI to quickly identify building violations and housing code issues.

What Changes When You Connect

- 01 Eliminates the need for manual API key management or complex data requests.
- 02 Consolidates multiple NYC Open Data sets into a single interface for your agent.

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- | | |
|-----------|--|
| 03 | Provides direct access to official DOB and PLUTO records through natural language. |
| <hr/> | |
| 04 | Enables rapid property due diligence by combining violations and zoning data. |
| <hr/> | |
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Real-World Applications

Property Due Diligence

Check a specific address for active violations and zoning restrictions before a purchase.

Market Trend Analysis

Count new building permits in a specific borough to gauge construction momentum.

Commercial Site Selection

Identify areas with high vacant storefront counts using the annual city survey.

Compliance Monitoring

Track housing code violations like heat or lead issues for specific building IDs.

Patterns to Avoid

Manual data scraping

❌ AVOID

You spend hours clicking through the NYC Open Data website and copying rows into a spreadsheet to find recent plumbing permits.

✓ INSTEAD

Ask your agent to pull specific records directly using `search\_dobnow\_permits` to get structured data instantly.

Vague property searches

❌ AVOID

You ask your agent to find information about a building but don't provide a specific address or BIN.

✓ INSTEAD

Provide a specific street address or BBL and use `search\_pluto` to get precise ownership and zoning details.

Ignoring volume trends

❌ AVOID

You look at individual permits one by one to try and figure out if a neighborhood is growing.

✓ INSTEAD

Use ``count_permit_activity`` to get a high level view of construction volume in a specific area first.

The Right Fit

Real estate analysts and construction professionals should connect this MCP to automate due diligence. If you only need a single address lookup once a year, you don't need this. The decision depends on whether you need to monitor continuous market activity or code compliance across multiple properties.

NYC Building and Permit Data Tools

Access a full suite of tools to query NYC Open Data, ranging from property records to active building violations.

#	TOOL	DESCRIPTION
01	count_permit_activity	This tool counts DOB permit filings based on your filters. Use it to gauge construction volume in a specific area before pulling individual records.
02	search_dob_complaints	This tool searches public DOB complaints. You can filter by building number, street, or category to see if a property has open issues.
03	search_dob_permits	This tool searches for NYC DOB building permit filings. It covers New Buildings, Alterations, and Changes of Occupancy using job numbers or BINs.
04	search_dob_violations	This tool searches for DOB building violations. You can filter by building number, violation type, or date to find active code enforcement issues.
05	search_dobnow_permits	This tool searches the DOB NOW online permit pipeline. It retrieves approved permits for plumbing, wiring, and minor work.
06	search_housing_violations	This tool searches for housing code violations from HCB inspections. It identifies issues like heat, hot water, or lead concerns by building ID.
07	search_pluto	This tool searches PLUTO parcel and property records. It provides zoning, building class, owner names, and assessed values for specific addresses or BBLs.
08	search_vacant_storefronts	This tool searches the annual city survey of vacant commercial ground floors. It helps you analyze vacancy trends by borough or street.

See It in Action

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

U Any new building permits in Manhattan this quarter?



I found several New Building filings in Manhattan for this quarter, including job numbers and filing dates.

U Zoning and owner of the lot at 100 Broadway, lower Manhattan



The lot at 100 Broadway is zoned for specific land use, owned by the listed legal owner, and has an assessed value of [value].

U How many open housing code B-violations citywide?



There are [number] open housing code B-violations currently recorded in the system.

Frequently Asked Questions

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

No. Vinkius hosts the MCP and manages all connections, so you can use it immediately without an API key.

02 Which AI clients can I use with this?

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

03 Can I search for specific building owners?

Yes. You can use the search_pluto tool to find the legal owner of a property using its address or BBL.

04 Does this include housing code violations?

Yes. The search_housing_violations tool allows you to look up HCB inspections for issues like heat and hot water.

05 How recent is the permit data?

The data is pulled from NYC Open Data, which includes the latest DOB permit filings and DOB NOW permits.

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 What is a BIN?

BIN (Building Identification Number) is the city's 10-digit id for one physical building, shared across the DOB and housing datasets. PLUTO keys buildings by borough+block+lot instead.

08 Borough values differ across datasets — how do I know the format?

Formats are dataset-specific: 311 and shootings use UPPERCASE ("QUEENS"), food and sanitation use Title Case ("Queens"), DOT potholes use single-letter codes. Tool descriptions state the expected values, and the errors from a mismatched value are reported verbatim by the platform.

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-buildings-dob-permits": { "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 Buildings & DOB Permits 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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