

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

Amsterdam Addresses & Properties MCP

Direct access to official Amsterdam municipal property and address registers.

Amsterdam Addresses & Properties MCP provides your AI client with direct access to the City of Amsterdam's official data. You can pull real-time information from the BAG address register, the WOZ property register, building layers, and protected monument records. It works without requiring you to manage your own API keys.

A+ Quality Score 98.33/100

amsterdam

bag

addresses

property

woz

monuments



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.

Amsterdam Addresses & Properties MCP

7 tools available

Cloud-hosted on Vinkius

You can now give your AI agent the ability to query official Amsterdam municipal data directly. This MCP connects your client to the city's core registers, including the BAG address register, the building (panden) layer, the WOZ property register, and the monuments register. Instead of manually searching through government portals, your agent can fetch specific address designations, building geometries, or property classifications in seconds. Whether you need to verify a house number, check the build year of a specific building, or confirm if a structure is a protected Rijksmonument, this MCP provides the raw data from the source. It's built for anyone needing precise, official geocoding or real estate data for the Amsterdam region without the friction of setting up custom API integrations.

Core Capabilities

01 — Address Verification

Your agent uses the BAG register to confirm valid postal codes and house numbers.

02 — Building Research

The AI pulls build years, floor counts, and geometry for specific structures.

03 — Property Classification

Your agent queries the WOZ register to determine if a property is residential or commercial.

04 — Heritage Identification

The agent identifies protected monuments and their official status in Amsterdam.

05 — Spatial Data Retrieval

Your agent accesses polygon geometry for buildings and monuments.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/amsterdam-addresses-properties — connect your AI agent in three steps.

- 01
- Connect the MCP to your preferred client like Claude or Cursor via Vinkius.
- 02
- Ask your agent a question about an Amsterdam address or property.
- 03
- The agent selects the appropriate tool from the Amsterdam registers.
- 04
- The MCP executes the request and returns official data to your agent.
- 05
- Your agent presents the verified information to you.

Connecting to this data is a single-step process that makes municipal records available to your agent.

Built For

This MCP is designed for professionals working with Amsterdam's spatial and property data.

Real Estate Agents

They hand off property research and WOZ lookups to their AI agent.

Geocoding Developers

They use the tool to validate addresses and building locations.

Heritage Researchers

They task the agent with finding monument records and historical building data.

What Changes When You Connect

- 01
- Direct access to official Amsterdam BAG, WOZ, and monument registers.
- 02
- No API key management required for the user.

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- | | |
|-----------|--|
| 03 | Provides precise polygon geometry for buildings and monuments. |
| <hr/> | |
| 04 | Eliminates manual searching through municipal web portals. |
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Real-World Applications

Property Due Diligence

An agent checks the WOZ register to verify the intended use and classification of a building.

Address Validation

A workflow uses the BAG register to ensure a postal code and house number combination is officially registered.

Urban Planning Research

A researcher queries building data to find the age and floor count of structures in a specific area.

Heritage Mapping

An agent identifies all Rijksmonumenten within a specific neighborhood.

Patterns to Avoid

Manual portal searching

❌ AVOID

You spend twenty minutes clicking through municipal web portals to find a specific building's floor count.

✓ INSTEAD

Let your agent pull the build year and floor counts instantly using ``search_buildings``.

Guessing property use

❌ AVOID

You assume a building is residential based on its appearance and try to verify it manually.

✓ INSTEAD

Query the WOZ register with ``list_property_records`` to get the official use classification.

Vague monument searches

❌ AVOID

You try to find all historical sites in a district by typing general descriptions into a search engine.

✓ INSTEAD

Use `find\_monuments` to get specific details on protected sites by name or address.

The Right Fit

Real estate professionals and urban researchers needing official Amsterdam municipal data should connect this MCP. If you only need general city information or data from outside the Amsterdam region, this isn't for you. The decision rests on whether you require raw, official register data like BAG or WOZ for your workflows.

7 Tools for Amsterdam Property and Address Data

This MCP provides direct access to the BAG, WOZ, and monument registers. Use these tools to pull official building geometries, address details, and property classifications.

#	TOOL	DESCRIPTION
01	find_monuments	Find protected monuments in Amsterdam by name, address, or status. It returns details like the monument type, designation date, and architect.
02	find_addresses	Locate registered addresses in Amsterdam using a postal code and house number. This tool queries the BAG register for specific address designations.
03	get_address	Retrieve a single address record by its ID. You'll get the postal code, address type, status, and registration validity period.
04	search_buildings	Search the BAG register for buildings using a name or dwelling type. It provides build year, floor counts, and polygon geometry.
05	get_building	Fetch a specific building record by ID. This includes the building name, dwelling type, floor count, and spatial geometry.
06	list_property_records	Access the WOZ property register using a WOZ object number. It returns the kind of property and its use classification.
07	get_monument	Get full details for a specific monument by its ID. This includes the public description, geometry, and membership in complexes.

See It in Action

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

U Find the registered address for 1015NR, house number 1.



The find_addresses tool identifies the address designation for postal code 1015NR, house number 1, including the address type and registration status.

U Is Tweede Weteringdwarsstraat 71 a protected monument?



The find_monuments tool confirms if Tweede Weteringdwarsstraat 71 is a protected monument, providing its status, such as Rijksmonument or Stadsmonument.

U What kind of property is WOZ object 036300000001?



The list_property_records tool shows that WOZ object 036300000001 is classified by its object kind and use, such as a shop or residence.

Frequently Asked Questions

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

No. Vinkius hosts the MCP and manages all connections, so you can use it without your own API keys.

02 Which registers does this MCP access?

It accesses the BAG address register, the WOZ property register, the building (panden) layer, and the monuments register.

03 Can I get the geographic shape of a building?

Yes. The `search_buildings` and `get_building` tools provide polygon geometry for buildings.

04 What kind of monument information is available?

You can find the status (such as Rijksmonument), designation date, architect, and original function of protected monuments.

05 Is this data official?

Yes. The data is pulled directly from the official registers maintained by the City of Amsterdam.

06 Do I need an API key?

No. The `bag`, `woz` and `monumenten` services of the city's DSO open-data platform are public (OPENBAAR) and work without credentials.

07 What is the difference between BAG and WOZ?

BAG is the national address register: it holds addresses (`nummeraanduidingen`), buildings (`panden`) and dwellings. WOZ is the property register: it holds valuation records per property object, with kind and use classifications. Use BAG to locate an address or building, WOZ to look up a property record.

08 What monument statuses are there?

Monuments carry a status such as `Rijksmonument` (national monument) or `Stadsmonument` (city monument). `find_monuments` can filter by status, type (e.g. `Pand`), and also by under-review flag.

09 Are building geometries usable for mapping?

Yes. Building (`panden`) records include polygon geometry in EPSG:28999 (RD New). Convert to WGS84 for plotting on standard world maps.

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>"amsterdam-addresses-properties": { "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

Amsterdam Addresses & Properties 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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Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

LICENSE & USAGE

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