MCP SERVER | NO CODE | CLOUD HOSTED

HERE (Location & Maps) MCP

Analyze routes and track traffic using natural conversation.

HERE Technologies provides robust location intelligence for your AI agent. You can convert addresses to precise coordinates, find the best routes considering current traffic, model reachability polygons, and fetch live weather forecasts anywhere on Earth.

A+ Quality Score 100/100

spatial-data | routing | traffic-monitoring | location-services | autosuggest | poi-search

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vinkius.com/mcp/here-location-maps

SCAN TO VIEW

The infrastructure that powers AI agents in the real world.

Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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.

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.

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.

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	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	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.

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.

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.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken 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.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

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.

HERE (Location & Maps) MCP

10 tools available
Cloud-hosted on Vinkius

This MCP connects complex global mapping data directly into your AI client, letting you perform advanced spatial analytics using natural conversation. Instead of jumping through multiple GIS dashboards or writing complicated code, you simply ask your agent for the information you need—whether it's figuring out the optimal delivery route considering real-time congestion, or determining how far a worker can travel in 30 minutes from a specific warehouse location. It handles geocoding addresses to coordinates and finding nearby points of interest automatically. If you build applications using this MCP through Vinkius, your agent gains full control over everything from traffic flow monitoring to fetching detailed weather reports for any spot on the map.

Core Capabilities

01 — Find precise location details

The tool converts human-readable addresses into exact coordinates and vice versa.

02 — Map optimal travel routes

It calculates the best paths for vehicles, pedestrians, or trucks, factoring in distance and time constraints.

03 — Analyze service reach areas

You can visualize polygons that show exactly how far a person or vehicle can travel within a set time or mileage limit from a starting point.

04 — Monitor real-time traffic conditions

The system tracks current congestion and traffic speeds across specific areas to optimize delivery timing.

05 — Get live weather data

It fetches up-to-date weather observations and forecasts for any global location.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/here-location-maps** — connect your AI agent in three steps.

01 Subscribe to this MCP and provide your unique HERE API Key.

02 Connect the key to your AI client, giving your agent access to spatial data tools.

03 Ask your agent a question like 'What's the fastest route from Point A to Point B with current traffic?' and get an immediate answer.

The bottom line is you stop treating location analysis as a separate piece of software and start using it conversationally within your agent.

Built For

This MCP is essential for logistics managers who spend hours planning delivery routes, urban planners studying city accessibility, or developers building context-aware applications that need real-world mapping data.

Logistics Manager

You use the tool to calculate optimal multi-stop routes and generate travel time matrices for your entire fleet, saving fuel and hours of manual planning.

GIS Analyst

You ask the agent to analyze complex reachability polygons or perform geocoding searches without needing a dedicated desktop GIS program.

Developer

You integrate real-time traffic flow and weather observations into your AI agent's context, making your application smarter and more reactive to the environment.

What Changes When You Connect

01 Instead of manually checking multiple mapping services, your agent handles it all. You ask for the optimal route from Point A to Point B, factoring in current congestion via `calculate_v8_route`, and get a single, accurate answer.

02 Planning supply chains? The tool's ability to generate complex distance matrices using `calculate_routing_matrix` lets you model travel times between dozens of stops instantly. It's perfect for fleet management.

03 Need to know if a new store location is accessible? Use the `calculate_v8_isoline` function to visualize exactly how far and how fast people can get there, which is better than just looking at a pin on a map.

04 Developers now have instant access to live environmental data. You can fetch current weather observations with `get_weather_observation` or monitor real-time traffic flow using `get_traffic_flow`, making your applications hyper-contextual.

05 The process of converting addresses is simple. Use `forward_geocode` to get coordinates, and then use `reverse_geocode` when you only have the numbers, giving you full location control.

Real-World Applications

Optimizing a multi-city delivery schedule

A logistics manager needs the fastest route for 15 stops across three counties. Instead of using spreadsheet software and manual calculations, they ask their agent to calculate the routing matrix. The system returns the most efficient sequence and total time immediately.

Assessing emergency response zones

During a simulated disaster, an urban planner needs to know how far first responders can travel in 20 minutes from a main hub. They ask their agent to generate an isoline polygon using `calculate_v8_isoline`, which immediately defines the safe operational zone.

Building a context-aware field service app

A developer builds an application that tells technicians if a job is possible. The agent first checks the weather using `get_weather_observation` and then uses this MCP to check traffic flow, ensuring the technician doesn't leave until conditions are right.

Determining nearest points of interest

A user is at a specific coordinate and needs to find nearby gas stations or hospitals. They ask their agent to discover places using `discover_places` rather than manually searching through multiple map views.

Patterns to Avoid

Assuming simple point-to-point travel

✗ AVOID

A user asks, 'What is the route from X to Y?' and gets a basic driving line without considering current road closures or traffic.

✓ INSTEAD

To account for real-world conditions, you must use `calculate_v8_route` or `get_traffic_flow`. These tools process live data to give you a path that actually works right now.

Only using addresses and no coordinates

✗ AVOID

The user tries to analyze flow by typing out three street names, which is too vague for any serious mapping tool.

✓ INSTEAD

Always start by converting the address into precise data points. Use `forward_geocode` first; it provides the exact bounded routing space you need.

Ignoring travel time limits

✗ AVOID

The user thinks they can cover a huge area in an hour, but doesn't know if that area is actually reachable by car in that timeframe.

✓ INSTEAD

Use `calculate_v8_isoline` to set boundaries. This tool tells you the realistic reach based on time or distance constraints, preventing bad logistical planning.

The Right Fit

You should use this MCP if your problem involves physical space, movement, or time—anything that needs a map. If you need to know how far something is, what the best way to get there is, or if current weather/traffic will impact the journey, this is what you need. Don't use it if your task is purely data transformation (like simple CSV parsing) or if you just need to search for text strings; those are better handled by general-purpose knowledge bases. If you only need basic address lookup without routing, `forward_geocode` handles that, but for anything complex like multi-stop planning or traffic analysis, this MCP is required.

The headache of disconnected location data

Right now, if you're managing a fleet, you have to jump between a spreadsheet for routes, an external mapping service for current traffic, and another tool just to check the weather. You copy coordinates from one tab to another, manually calculate matrices in a third program, and then finally paste the result into your report. It’s a horrible workflow that wastes hours every week.

With this MCP, you talk to your agent once. 'What's our delivery plan for tomorrow?' The agent handles the entire chain: it finds the best route using `calculate_v8_route`, checks if rain is predicted via `get_weather_observation`, and calculates the total time considering current traffic flow—all in one go.

Get instant, actionable insights with HERE (Location & Maps)

You don't have to manually run multiple queries. You don't need to worry about which data source is the most current or if the coordinates are in the right format. The agent manages the complexity behind the scenes.

The result is a single, cohesive answer delivered conversationally. Your team moves from spending time stitching together data points to actually making decisions based on accurate, real-time location intelligence.

HERE (Location & Maps) with 10 Tools

These tools allow you to perform every kind of spatial analysis imaginable—from finding addresses to calculating complex travel matrices.

#	TOOL	DESCRIPTION
01	`autosuggest_query`	Find precise location suggestions by querying active address arrays.
02	`calculate_v8_isoline`	Determine the boundaries of where a person or vehicle can travel within specified time or distance limits.
03	`calculate_routing_matrix`	Generate complex data payloads showing travel times between multiple, connected points on a map.
04	`calculate_v8_route`	Inspect detailed traffic patterns to calculate the most efficient route between two or more points.
05	`discover_places`	Search for and retrieve specific categories of points of interest (POI) in an area.
06	`forward_geocode`	Convert a human-readable address into precise, bounded coordinates within a search region.
07	`get_traffic_flow`	Retrieve current traffic data and congestion patterns for any defined geographical area.
08	`get_weather_observation`	Fetch explicit, structured reports detailing the active meteorological conditions for a given spot.
09	`lookup_place_id`	Get a unique identifier for specific locations to use in deeper point-of-interest analysis.
10	`reverse_geocode`	Convert coordinates back into meaningful, readable street addresses or boundaries.

See It in Action

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

U What's the best route from San Francisco to San Jose by car?

Calculating route... The optimal path via US-101 S is approximately 48 miles and will take about 55 minutes with current traffic. Would you like to see the turn-by-turn summary?

U How far can I drive in 15 minutes from Times Square, NY?

Generating isoline... Based on current road conditions, you can reach most of Midtown Manhattan, parts of Hell's Kitchen, and cross into Weehawken via the Lincoln Tunnel within 15 minutes. Would you like the coordinate boundaries?

U What is the current weather observation for Tokyo?

Current weather in Tokyo: 18°C, Partly Cloudy, Humidity 62%, Wind 12km/h from the SE. The forecast for the next 6 hours shows a slight chance of rain. Would you like a detailed 24-hour forecast?

Frequently Asked Questions

01 **How do I use the HERE (Location & Maps) MCP for multi-stop routes?**

To plan multiple stops efficiently, you'll want to use `calculate_routing_matrix`. This tool takes many locations and spits out a single data payload showing the best travel time between all of them.

02 **Can I find POIs using the HERE (Location & Maps) MCP?**

Yes. The `discover_places` function lets you search for specific categories of points of interest near a given location, so you don't have to browse manually.

03 **What is reverse geocoding with the HERE (Location & Maps) MCP?**

Reverse geocoding takes raw coordinates and turns them back into plain English addresses or recognizable boundaries. This is key if you only collect GPS data in the field.

04 **Is this MCP useful for urban planning analysis?**

Absolutely. You can use `calculate_v8_isoline` to visualize accessibility polygons, allowing planners to see how far citizens can reach within a set time limit from public transit points.

05 **How do I check current traffic flow with the HERE (Location & Maps) MCP?**

Use `get_traffic_flow` by defining a bounding box around your area. The tool returns structured data that verifies real-time congestion levels and speeds.

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 `"here-location-maps": { "url": "…" }`
Windsurf	MCP Settings → `mcp_settings.json` → 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

HERE (Location & Maps) 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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