

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

Household Evacuation Route Planner MCP.

Build actionable emergency plans for your family.

Household Evacuation Route Planner MCP helps you organize your family's response to emergencies. It turns exit routes, mobility needs, and meeting locations into concrete, printable instructions and assigned roles so everyone knows exactly what to do when it matters most.

A+ Quality Score 100/100

emergency

evacuation

family-safety

planning

preparedness



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.

Household Evacuation Route Planner MCP

4 tools available

Cloud-hosted on Vinkius

When an emergency hits, you don't want to be deciding which door to use or who is responsible for the emergency kit. This MCP helps you build those decisions in advance. You can map out specific exit strategies based on your home's layout and the mobility needs of your family members. It handles the logistics of assigning specific tasks to different people and creates printable cards for your meeting points. You can also set up a recurring schedule for drills to make sure the plan actually works when you need it. Instead of a vague idea of what to do, you get a structured set of instructions that your AI client can help you manage and update as your household needs change.

Core Capabilities

01 — Route Mapping

Your agent uses this to build exit strategies based on your home's specific doors and mobility needs.

02 — Role Distribution

Your agent assigns specific emergency tasks to individual family members.

03 — Meeting Point Documentation

Your agent generates printable cards that list primary and secondary gathering locations.

04 — Drill Scheduling

Your agent creates a recurring timeline for practicing your evacuation plans.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/household-evacuation-route-planner — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Provide your home layout and family details to your agent.
- 03 Use the tools to generate routes, roles, and meeting cards.
- 04 Print your meeting point cards and follow the suggested drill schedule.

Connect your AI client to Vinkius and start building your plan immediately.

Built For

This MCP is for heads of households and caregivers who want to move beyond vague emergency ideas into concrete, actionable plans.

Parents

They use the tool to assign tasks to children and ensure mobility needs are met.

Caregivers

They use it to plan specific exit routes for elderly or disabled family members.

Emergency Preparedness Coordinators

They use it to structure drills and documentation for residential groups.

What Changes When You Connect

- 01 Reduces decision fatigue during high-stress emergency events.
- 02 Ensures mobility requirements are integrated into exit routes.
- 03 Provides physical, printable references for meeting locations.

04 Maintains family readiness through automated drill scheduling.

Real-World Applications

Mobility-Focused Planning

You can build a plan that prioritizes the most accessible exits for a wheelchair user.

Task Delegation

You can clearly define who grabs the medical kit and who leads the group to avoid confusion.

Drill Management

You can set up a quarterly schedule to make sure your family actually knows the routes.

Meeting Point Coordination

You can create a quick-reference card that tells everyone where to go and how to check in.

Patterns to Avoid

Vague emergency planning

❗ AVOID

Telling your family to just 'get out quickly' if a fire starts without a specific plan.

✓ INSTEAD

Use `get_departure_plan` to build a step-by-step exit strategy that accounts for your specific doors and mobility needs.

Unassigned household responsibilities

❗ AVOID

Assuming everyone knows who is grabbing the medical kit or the pet carrier during a crisis.

✓ INSTEAD

Run `assign_household_roles` to give every family member a clear, specific job so there is no confusion.

Neglecting physical references

❗ AVOID

Relying solely on a digital plan that might be hard to access if power or internet goes out.

✓ INSTEAD

Use `generate_meeting_point_card` to create physical, printable guides for your family gathering spots.

The Right Fit

Connect this MCP if you manage a household with specific mobility needs or children. Do not connect it if you only want general safety tips. The decision depends on whether you need a structured, actionable plan rather than just advice.

Household Evacuation Route Planner Tools

These tools handle the logistics of exit strategies, task delegation, and drill scheduling for your home.

#	TOOL	DESCRIPTION
01	assign_household_roles	This tool distributes specific emergency tasks to your family members. It ensures everyone has a clear responsibility during an evacuation.
02	create_practice_schedule	This tool proposes a recurring schedule for running evacuation drills. It helps you maintain readiness through regular practice.
03	generate_meeting_point_card	This tool creates a concise, printable reference for your family gathering spot. It's designed to be a quick physical guide for where to meet.
04	get_departure_plan	This tool generates a step-by-step exit strategy for your household. It accounts for your specific exits and any mobility requirements.

See It in Action

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

U Help me create a departure plan. Our exits are the front door and the back sliding door. We have a wheelchair user, and we have a car available.



Your primary route is through the front door to ensure the most direct path for the wheelchair. Your alternate route is the back sliding door. Please ensure the path to the front door is kept clear of obstacles at all times.

U Assign roles for our family: Alice, Bob, and Charlie. The tasks are: Grab the emergency kit, Lead the group, and Assist the elderly.



Assignments: Alice is assigned to Lead the group, Bob is assigned to Grab the emergency kit, and Charlie is assigned to Assist the elderly.

U Create a meeting point card. Our primary spot is the big oak tree in the front yard, and our secondary spot is the community center. We check in by calling the family group chat.



Meeting Point Card: Gather at the big oak tree in the front yard first. If that is unsafe, move to the community center. Once at a location, follow the check-in procedure: call the family group chat to confirm everyone is safe.

Frequently Asked Questions

01 How do I use this MCP with my AI client?

You connect your client, like Claude or Cursor, to the Vinkius platform. Once connected, the tools are immediately available for your agent to use.

02 Can I include mobility needs in the evacuation plan?

Yes. When you request a departure plan, you can specify if anyone in your household uses a wheelchair or has other mobility requirements.

03 Does this MCP provide physical copies of the plans?

The tool generates meeting point cards that are designed to be printed and used as physical references.

04 How often should we practice our evacuation?

The MCP includes a tool to propose a recurring schedule for drills to help your family stay prepared.

05 Can I assign specific tasks to my family members?

Yes. You can use the role assignment tool to give specific people responsibilities like grabbing kits or assisting others.

06 How do I create a departure plan?

You can use the `get\_departure\_plan` tool by providing your available exits, any official guidance from local authorities, mobility needs, and transport options.

07 Can I assign specific tasks to family members?

Yes, the `assign\_household\_roles` tool allows you to distribute specific responsibilities like Lead, Communicator, or Supply to each member of your household.

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>"household-evacuation-route-planner": { "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

Household Evacuation Route Planner 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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DOCUMENT INFORMATION

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

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