

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

Earthquake Preparedness Planner MCP

Build actionable safety plans for your household.

Earthquake Preparedness Planner MCP helps you organize your family's response to seismic events. It generates customized preparedness overviews, assigns supply locations based on mobility needs, creates communication cards for separated family members, and sets up regular drill schedules to keep everyone ready.

A+ Quality Score 100/100

earthquake

safety

emergency

household

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.

Earthquake Preparedness Planner MCP

4 tools available

Cloud-hosted on Vinkius

When an earthquake hits, you don't want to be deciding where the flashlights are or how to contact your spouse. This MCP turns your AI client into a dedicated emergency coordinator. You can build a complete household safety strategy by providing details about your home layout, the number of people living there, and any specific mobility or age-related needs.

Instead of generic advice, you get specific instructions. You can determine exactly where to store water and first aid kits so they are reachable for elderly family members or infants. You can also establish clear communication protocols through printed cards and keep your family's reflexes sharp by generating a recurring drill calendar. It's about moving from vague ideas of being prepared to having a documented, repeatable plan that everyone in your house understands.

Core Capabilities

01 — Customized Household Planning

The AI uses your home details to build a specific preparedness overview.

02 — Mobility-Based Supply Mapping

Your agent assigns supply locations based on the physical needs of your family members.

03 — Communication Protocol Creation

The AI generates contact cards to use if family members are in different locations.

04 — Drill Scheduling

Your agent produces a calendar of regular practice sessions to maintain readiness.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/earthquake-preparedness-planner — connect your AI agent in three steps.

- 01
- Connect your preferred client like Claude or Cursor to the Vinkius platform.
- 02
- Provide your household details and local safety guidance to your AI agent.
- 03
- Ask the agent to generate specific plans, supply lists, or drill schedules.
- 04
- Use the resulting documentation to organize your physical supplies and practice drills.

You connect your AI client to the Vinkius-hosted MCP and start prompting.

Built For

This MCP is designed for heads of households and caregivers who want to formalize their emergency response.

Parents

They use the AI to coordinate supplies and safety plans for infants and children.

Caregivers

They rely on the AI to place essential items near elderly members with limited mobility.

Safety Coordinators

They use the tool to generate drill schedules and communication cards for entire groups.

What Changes When You Connect

- 01
- Moves from generic advice to specific, actionable household instructions.
- 02
- Accounts for mobility constraints when placing emergency supplies.

-
- 03** Standardizes communication protocols for separated family members.
-
- 04** Automates the creation of recurring practice schedules.
-

Real-World Applications

Elderly Care

The AI places water and medical kits near a person with limited mobility for immediate access.

New Parent Readiness

The AI suggests securing furniture and centralizing infant supplies for a safer environment.

Family Communication

The AI creates meeting cards so everyone knows how to reconnect after a seismic event.

Routine Safety Drills

The AI generates a monthly calendar to ensure evacuation and drop/cover/hold drills stay fresh.

Patterns to Avoid

Using generic emergency advice

❌ AVOID

You ask your agent for a general list of earthquake supplies that anyone could find online.

✓ INSTEAD

Provide your specific home details and family structure to get a tailored plan using ``get_household_plan``.

Ignoring mobility constraints

❌ AVOID

You place all your emergency water and first aid kits in a high basement storage area.

✓ INSTEAD

Use ``get_supplies_assignment`` to ensure supplies are placed where elderly or less mobile family members can actually reach them.

Forgetting to practice drills

❌ AVOID

You create a plan once and then never mention it again until an actual earthquake happens.

✓ INSTEAD

Keep your family's reflexes sharp by using ``get_practice_calendar`` to set up a recurring schedule of drills.

The Right Fit

Connect this MCP if you are a head of household or a caregiver managing the safety of others. Do not use this if you are looking for general geological data or seismic activity predictions. The decision depends on whether you need a documented, actionable plan for your specific living situation.

Earthquake Preparedness Planner 4 Tools

These tools build a customized emergency response strategy based on your specific home layout and family needs.

#	TOOL	DESCRIPTION
01	get_family_meeting_card	Generates a concise communication card for family members to use if they are separated during an event.
02	get_household_plan	Creates a customized preparedness overview for your specific home and family structure.
03	get_practice_calendar	Produces a scheduled list of preparedness drills to help your household practice their response.
04	get_supplies_assignment	Determines the best way to distribute or store essential supplies based on the mobility needs of your household members.

See It in Action

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

U Create a preparedness plan for a single-family house with two adults and one infant. Local guidance is 'Drop, Cover, and Hold On'.



Your household plan is ready. Based on your single-family house and the 'Drop, Cover, and Hold On' guidance, we recommend securing heavy furniture and keeping the infant's supplies in a central, accessible location.

U How should I distribute my supplies? I have 2 adults and 1 elderly person with limited mobility. I have water, first aid, and flashlights.



Water and first aid kits should be placed in the immediate proximity of the elderly household member to ensure quick access during an event.

U Generate a drill schedule for my family with monthly frequency.



Your monthly drill schedule includes: Month 1: Drop/Cover/Hold On drill; Month 2: Evacuation drill; Month 3: Supply check drill.

Frequently Asked Questions

01 What AI clients can I use with this MCP?

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

02 How does the tool handle elderly family members?

The tool uses the `get_supplies_assignment` tool to suggest placing essential items like water and first aid kits near members with limited mobility.

03 Can I create a schedule for my family to practice drills?

Yes, the `get_practice_calendar` tool generates a specific schedule for conducting preparedness drills.

04 Do I need to host this myself?

No, Vinkius hosts and manages the MCP for you, so it is ready to use immediately after connection.

05 What kind of plans does it generate?

It generates household preparedness overviews, supply distribution plans, communication cards, and drill calendars.

06 How does the tool handle local emergency instructions?

The `get_household_plan` tool prioritizes the specific local guidance you provide above all other general advice to ensure compliance with local authorities.

07 Can I plan for family members with mobility issues?

Yes. By including mobility needs in the household member list, `get_supplies_assignment` ensures essential items are placed near those who need them most, and `get_practice_calendar` includes accessibility drills.

08 What is included in the family meeting card?

The `get_family_meeting_card` tool produces a structured card containing your primary and secondary meeting locations and a hierarchy of contact numbers.

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>"earthquake-preparedness-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

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

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