

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

Outage Readiness & Coordination Plan MCP

Turn household data into actionable emergency response plans.

Outage Readiness & Coordination Plan MCP connects your household data to emergency preparedness workflows. It processes your specific dependencies, backup options, and contact info to build prioritized checklists, communication protocols, and supply lists. Your AI client uses these tools to ensure you aren't guessing what to do when the power or water goes out.

A+ Quality Score 100/100

preparedness

outage

household

emergency

planning



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.

Outage Readiness & Coordination Plan MCP

4 tools available

Cloud-hosted on Vinkius

When an outage hits, you don't want to be hunting for flashlights or wondering who to call. This MCP bridges the gap between your personal household data and real-world emergency readiness. Instead of generic advice, your AI client uses your specific needs to build a custom roadmap for staying safe and connected.

You can use it to map out exactly what supplies you need based on your specific gear, like generators or medical equipment. It builds communication hierarchies so everyone in your house knows how to reach each other when the cell towers are strained. It also handles the pre-outage phase by giving you a prioritized list of tasks to finish before the storm or grid failure arrives. Once the event passes, it provides a structured directory to help you safely restore services and verify that everything is back to normal. It's about moving from reactive panic to a structured, data-driven plan.

Core Capabilities

01 — Pre-event tasking

Your agent uses this to build a list of things to do before the outage hits.

02 — Supply calculation

Your AI client calculates the exact items and actions needed for your specific setup.

03 — Communication mapping

Your agent builds a hierarchy for how family members and contacts will reach each other.

04 — Recovery coordination

Your AI client provides a directory to help you restore services safely after the event.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/outage-readiness-coordination-plan — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Provide your household data, including dependencies and contact info, to your AI agent.
- 03 Ask your agent to generate checklists, supply lists, or communication plans.
- 04 Execute the tasks and follow the protocols during the outage event.
- 05 Use the recovery tools to safely restore your household to normal operations.

Connect your AI client to the Vinkius-hosted MCP and start feeding it your household data.

Built For

This is for heads of households and emergency coordinators who want to move away from generic preparedness guides.

Household Managers

They hand off family dependency data to the AI to get custom checklists.

Emergency Preparedness Hobbyists

They use the tool to refine supply lists and communication protocols.

Caregivers

They use the tool to prioritize tasks for elderly or high-needs individuals.

What Changes When You Connect

- 01 Replaces generic advice with plans based on your actual household dependencies.

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- | | |
|-----------|---|
| 02 | Reduces decision fatigue during emergencies by providing prioritized task lists. |
| <hr/> | |
| 03 | Standardizes how your household communicates when normal channels fail. |
| <hr/> | |
| 04 | Provides a structured way to handle the recovery phase after services are restored. |
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Real-World Applications

Elderly Care Prep

Your agent creates a checklist specifically for mobility aids and medical needs before a storm.

Generator Management

The AI calculates the fuel and cord requirements for your specific portable generator setup.

Family Communication

You build a contact hierarchy to ensure everyone knows the primary and secondary ways to reach each other.

Post-Outage Recovery

You use the recovery directory to systematically check services and safety once the power returns.

Patterns to Avoid

Relying on generic survival guides

❌ AVOID

You follow a standard FEMA pamphlet that tells you to buy canned goods but ignores your specific need for medical equipment power.

✓ INSTEAD

Use ``calculate_supply_actions`` to get a list based on your actual gear and household dependencies.

Waiting for the storm to plan

❌ AVOID

You try to figure out who to call or how to reach your family once the cell towers are already overloaded.

✓ INSTEAD

Run ``generate_communication_plan`` ahead of time so your contact hierarchy is already set.

Unorganized post-event recovery

❌ AVOID

The power comes back on and you spend hours guessing which appliances are safe to turn back on or which services to call.

✓ INSTEAD

Use ``get_recovery_contact_list`` to follow a structured directory for safe service restoration.

The Right Fit

Connect this MCP if you manage a household with specific medical, mobility, or power dependencies. Do not connect it if you only want general camping advice. The decision depends on whether you have specific household data that needs to drive your emergency plan.

Outage Readiness & Coordination Plan 4 Tools

These tools turn your household data into actionable emergency protocols. They cover everything from pre-storm prep to post-outage recovery.

#	TOOL	DESCRIPTION
01	calculate_supply_actions	This tool determines the specific physical supplies and actions you need based on your household's unique requirements.
02	generate_communication_plan	This tool establishes how your household will stay informed and how members will contact one another during an event.
03	get_pre_outage_checklist	This tool generates a prioritized list of tasks to complete before a predicted outage occurs.
04	get_recovery_contact_list	This tool provides a structured directory for restoring services and verifying safety after an outage ends.

See It in Action

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

- U** Generate a pre-outage checklist for a household with an elderly person needing mobility support and a pet.



Priority: High. Tasks: 1. Ensure mobility aids are fully charged. 2. Stock up on specialized pet food. 3. Verify flashlight and battery availability for accessibility.

- U** Create a communication plan using my contact list and the local utility's instructions.



Primary Channel: SMS. Contact Hierarchy: 1. Household Members, 2. Trusted Contacts, 3. Local Utility Provider.

- U** What supplies do I need if I have a portable generator?



Items to acquire: Fuel for generator, extension cords. Storage: Keep fuel in approved containers away from living areas.

Frequently Asked Questions

01 What AI clients can I use with this MCP?

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

02 Do I need to host the MCP myself?

No, Vinkius hosts and manages the MCP for you. You just connect your client and it is ready to use.

03 How does it know what supplies I need?

The tool calculates supply actions by processing the specific household requirements and equipment you provide to your agent.

04 Can it help with medical needs during an outage?

Yes, you can prompt your agent to include specific dependencies, such as mobility support or medical equipment, in your pre-outage checklists.

05 Is this for professional emergency responders?

It is designed for household preparedness and individual coordination, though the structured plans can be used by anyone managing a group's safety.

06 How do I generate a checklist before an outage?

You can use the `get\_pre\_outage\_checklist` tool by providing your household dependencies, available backup options, and any accessibility needs.

07 Can this tool help with communication during an emergency?

Yes, the `generate\_communication\_plan` tool establishes a contact hierarchy and primary communication channels based on your local provider guidance.

08 How are supply needs calculated?

The `calculate\_supply\_actions` tool determines necessary items and storage instructions by analyzing your household dependencies and backup resources.

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>"outage-readiness-coordination-plan": { "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

Outage Readiness & Coordination Plan 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

Generated	September 2026
MCP Server	Outage Readiness & Coordination Plan MCP
Server ID	01a0dbfc-9d36-7240-84ab-33166ca6f888
Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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