

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 Recovery Orchestrator MCP

Turn property damage data into a structured recovery plan.

Household Recovery Orchestrator MCP manages the chaotic aftermath of property damage. It converts official re-entry notices and property status reports into organized task sequences, service provider schedules, insurance documentation lists, and family update plans. Your AI client handles the logistics so you can focus on your home.

A+ Quality Score 100/100

disaster-recovery

scheduling

insurance

household

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.

Household Recovery Orchestrator MCP

4 tools available

Cloud-hosted on Vinkius

When a disaster hits your home, the immediate aftermath is a blur of damage reports, insurance calls, and scheduling headaches. This MCP acts as a coordination engine to bring order to that chaos. You feed your property status and official guidance into your AI client, and it builds a logical path forward.

Instead of guessing what to do first, you get a prioritized sequence of repairs and inspections. You can coordinate service providers without scheduling conflicts and keep your insurance claim organized by aggregating necessary evidence. It even handles the human element by drafting communication plans to keep your family informed as tasks progress. It's about turning raw damage data into a repeatable, manageable workflow.

Core Capabilities

01 — Task Prioritization

Your agent uses property data to decide which repairs must happen before others.

02 — Logistics Management

Your agent builds schedules that account for both professional contractors and family availability.

03 — Insurance Preparation

Your agent organizes photos and policy documents into a structured evidence list.

04 — Family Coordination

Your agent drafts update schedules to keep household members informed of progress.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/household-recovery-orchestrator — connect your AI agent in three steps.

- 01 Connect your AI client to the Vinkius hosted MCP.
- 02 Provide your agent with property status or re-entry guidance.
- 03 Ask your agent to generate a sequence, schedule, or evidence list.
- 04 Use the resulting plans to coordinate repairs and insurance claims.

Connect your preferred AI client to Vinkius to start managing your recovery.

Built For

This MCP is built for homeowners and property managers dealing with the immediate aftermath of natural disasters or accidents.

Homeowners

Hand off damage descriptions and insurance policies to your agent to build a recovery roadmap.

Property Managers

Use the tool to coordinate multiple service providers and keep residents updated on repairs.

Disaster Recovery Coordinators

Feed official re-entry guidance into the MCP to generate actionable task sequences for clients.

What Changes When You Connect

- 01 Converts raw damage reports into a step-by-step task list.
- 02 Prevents scheduling overlaps between contractors and residents.

-
- 03** Organizes insurance evidence to simplify the claims process.
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- 04** Automates family updates to reduce repetitive communication.
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Real-World Applications

Post-Flood Recovery

Use the recovery sequence tool to determine if you need water extraction before structural assessments.

Insurance Claim Organization

Compile a list of visual and administrative evidence from photos and policy documents.

Contractor Scheduling

Manage plumber or electrician visits without conflicting with your family's daily schedule.

Family Status Updates

Create a plan to notify family members as specific repair milestones are reached.

Patterns to Avoid

Manual scheduling guesswork

❌ AVOID

You try to manually write down every plumber and electrician visit in a notebook without checking if anyone is home.

✓ INSTEAD

Use ``generate_booking_calendar`` to build a schedule that respects both contractor windows and your family's availability.

Disorganized insurance evidence

❌ AVOID

You send a dozen unorganized photos and policy PDFs to your adjuster via email and hope they find everything.

✓ INSTEAD

Run ``compile_evidence_list`` to organize your photos and policy details into a single, structured list for the claim.

Reactive task management

❌ AVOID

You start fixing drywall before you've even dealt with the standing water or structural issues.

✓ INSTEAD

Run ``get_recovery_sequence`` to get a prioritized list of tasks based on your specific property status.

The Right Fit

Homeowners and property managers facing immediate post-disaster chaos should connect this MCP. People looking for simple, single-task checklists or those with no property damage should skip it. The deciding factor is whether you need to turn raw damage data into a coordinated, multi-person workflow.

Household Recovery Orchestrator Toolset

These tools turn chaotic damage reports and insurance documents into a structured, actionable recovery roadmap.

#	TOOL	DESCRIPTION
01	compile_evidence_list	This tool gathers all the documentation and observations you need for insurance claims. It organizes photos and policy details into a single list.
02	create_communication_plan	This tool drafts a schedule of updates for your family. It keeps everyone informed based on the progress of your recovery tasks.
03	generate_booking_calendar	This tool builds a conflict-free schedule for your service providers and household members. It ensures appointments don't overlap with family availability.
04	get_recovery_sequence	This tool produces a prioritized list of necessary household restoration tasks. It uses property status to determine what needs to happen first.

See It in Action

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

- U** Generate a recovery sequence for a house where authorities have permitted re-entry, but there is minor water damage.



1. Safety Inspection, 2. Water Extraction, 3. Dehumidification, 4. Structural Assessment, 5. Cleaning.

- U** Create a booking calendar for a plumber visiting tomorrow at 10 AM and a family member available all day.



Confirmed: Plumber appointment at 10:00 AM. No conflicts detected with household availability.

- U** Compile an evidence list based on photos of broken windows and an existing insurance policy.



Visual Evidence: Photos of broken windows (High Priority). Administrative Evidence: Insurance Policy (Required).

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 scheduling?

The generate_booking_calendar tool checks for conflicts between service provider times and household availability to create a clean schedule.

03 Can this help with my insurance claim?

Yes. The `compile_evidence_list` tool aggregates photos and policy information into a list for your claim.

04 Do I need to host the MCP myself?

No. Vinkius hosts and manages the MCP for you. You just connect your client and start working.

05 How does it decide the order of repairs?

The `get_recovery_sequence` tool analyzes your property status and official guidance to create a prioritized list of tasks.

06 How does the tool handle safety hazards?

The `'get_recovery_sequence'` tool applies a strict no-hazardous-access boundary. If structural or electrical hazards are detected, all recovery tasks are blocked.

07 Can I use this to organize insurance claims?

Yes, you can use `'compile_evidence_list'` to aggregate observed property status and document records into a prioritized registry for your insurer.

08 How are service appointments managed?

The `'generate_booking_calendar'` tool creates a conflict-free schedule by mapping professional service appointments against household availability.

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-recovery-orchestrator": { "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 Recovery Orchestrator 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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