

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

# Accessible Kitchen Participation Plan MCP

Build safe, inclusive meal prep workflows tailored to your physical needs.

Accessible Kitchen Participation Plan MCP turns your physical constraints, kitchen layout, and household schedule into a practical plan for cooking. It helps you figure out where to move tools for better reach, how to coordinate with helpers, and how to structure specific cooking tasks so you can participate safely and independently.

**A+** Quality Score 100/100

kitchen

inclusion

safety

scheduling

accessibility-tools



# The connectivity layer between AI and the world's software.

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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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Accessible Kitchen Participation Plan MCP

4 tools available

Cloud-hosted on Vinkius

You can use this MCP to bridge the gap between your physical abilities and your kitchen environment. Instead of guessing how to manage a meal, you give your AI client your specific constraints, such as limited reach or mobility needs, and it builds a structured strategy. It handles the logistics of where things should live on your counter and when a helper needs to step in to keep things safe. You get step-by-step instructions for specific tasks like chopping or prepping, ensuring you stay in control without overextending yourself. It also looks at your weekly schedule to align meal prep with when people are actually home to help. It is about making the kitchen a place where you can participate meaningfully and safely every day.

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## Core Capabilities

### 01 — Task Sequencing

Your agent breaks down complex cooking tasks into manageable steps.

### 02 — Spatial Optimization

The MCP suggests new locations for kitchen tools to minimize physical strain.

### 03 — Safety Coordination

It defines specific moments for a helper to intervene during a task.

### 04 — Weekly Scheduling

It aligns meal prep duties with the people available in your home.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/en/ai-agent-connect/accessible-kitchen-participation-plan](https://vinkius.com/en/ai-agent-connect/accessible-kitchen-participation-plan) — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Provide your physical constraints and kitchen layout to your agent.
- 03 Request specific workflows, tool placements, or schedules.
- 04 Follow the generated steps to participate in kitchen activities safely.

Connect your AI client to Vinkius to start generating personalized kitchen plans.

## Built For

This MCP is designed for individuals looking to maintain independence in the kitchen despite physical limitations.

**Individuals with mobility constraints**

Use the MCP to map out reachable zones and safe task sequences.

**Caregivers**

Use the MCP to coordinate handoff strategies and weekly meal schedules.

**Occupational Therapists**

Use the MCP to help clients structure their home environments for better participation.

## What Changes When You Connect

- 01 Reduces physical strain by optimizing tool placement.
- 02 Increases safety through defined helper handoff protocols.
- 03 Promotes independence by providing structured task workflows.

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## 04 Simplifies household coordination with weekly meal plans.

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# Real-World Applications

### Daily Meal Prep

Get a step-by-step guide for chopping or stirring that respects your current physical reach.

### Kitchen Reorganization

Identify which items to move to your primary reach zone to make cooking easier.

### Caregiver Coordination

Establish exactly when a helper needs to step in to ensure a task stays safe.

### Weekly Planning

Match your meal prep goals with the times your household members are available to assist.

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# Patterns to Avoid

## Ignoring physical reach limits

### ❌ AVOID

You try to cook a complex meal without telling your agent about your limited mobility. You end up overextending yourself to reach a heavy pot.

### ✓ INSTEAD

Tell your agent your specific physical constraints first. Use ``get_tool_placement_requests`` to find out which items to move into your primary reach zone.

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## Uncoordinated helper assistance

### ❌ AVOID

A caregiver shows up to help, but they don't know which specific part of the meal prep they are supposed to take over.

### ✓ INSTEAD

Define clear handoff points before you start. Use ``get_helper_handoff_strategy`` to set protocols for when a helper should step in.

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## Mismatched weekly schedules

### ❌ AVOID

You plan a big meal prep session for Tuesday, but no one is home to help you with the heavy lifting.

### ✓ INSTEAD

Sync your cooking goals with your household's actual availability. Use ``get_weekly_coordination_plan`` to build a schedule that works for everyone.

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## The Right Fit

Connect this MCP if you need to maintain kitchen independence while managing physical limitations. Do not connect it if you have full mobility and no need for coordinated household scheduling. The decision rests on whether you need a structured plan to bridge the gap between your abilities and your kitchen environment.

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# 4 Tools for Accessible Kitchen Management

These tools help you map out reachable zones, plan weekly schedules, and set safety protocols for kitchen tasks.

| #  | TOOL                         | DESCRIPTION                                                                                     |
|----|------------------------------|-------------------------------------------------------------------------------------------------|
| 01 | get_weekly_coordination_plan | Builds a high-level meal preparation schedule that matches your household's availability.       |
| 02 | get_helper_handoff_strategy  | Sets clear protocols for when and how a helper should assist or take over a task.               |
| 03 | get_participation_workflow   | Generates a specific, step-by-step sequence for any kitchen task you need to perform.           |
| 04 | get_tool_placement_requests  | Identifies exactly which kitchen tools you should move to improve your reach and accessibility. |

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## See It in Action

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

**U** Create a workflow for chopping vegetables given my limited reach and preference for verbal prompts.



1. Retrieve knife from primary zone. 2. Position vegetables on the cutting board in the reachable countertop area. 3. Begin slicing. 4. Handoff: Helper provides verbal prompt if cutting slows down.

**U** Where should I put my whisk and spatula for easy access?



The whisk and spatula should be moved to the Primary Zone on the countertop for immediate reach.

**U** Help me plan my kitchen participation for the week based on my schedule.



Monday: User leads breakfast; Tuesday: Collaborative lunch with helper; Wednesday: Supported dinner with helper support.

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## Frequently Asked Questions

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### 01 How does this MCP help with kitchen safety?

It creates handoff strategies that tell you exactly when a helper should step in to assist with a task.

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### 02 Can I use this with Claude or Cursor?

Yes, you can use this MCP with any MCP-compatible client like Claude, Cursor, or Windsurf.

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**03 What kind of information do I need to provide?**

You should provide details about your physical reach, kitchen tool locations, and your household schedule.

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**04 Does it help with organizing my kitchen tools?**

Yes, it can identify which tools should be moved to specific zones to make them easier to reach.

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**05 Can it help plan my whole week of meals?**

Yes, it can create a high-level weekly coordination plan that aligns meal prep with when people are home.

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**06 How does this tool help with kitchen safety?**

It uses ``get_helper_handoff_strategy`` to define precise moments for assistance based on user-defined safety rules and physical boundaries.

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**07 Can I organize my weekly meal prep?**

Yes, the ``get_weekly_coordination_plan`` tool creates a temporal map that aligns kitchen activities with household schedules.

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**08 How are tools managed for accessibility?**

The ``get_tool_placement_requests`` tool identifies where existing tools should be moved to reachable work areas to optimize access.

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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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                                                                                                |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
|  <b>Claude AI</b>  | Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint                                    |
|  <b>Cursor</b>     | Settings → Features → MCP Servers → "+" Add New MCP Server" → Type: SSE → Paste endpoint                          |
|  <b>VS Code</b>  | Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"accessible-kitchen-participation-plan": { "url": "..."} </code> |
|  <b>Windsurf</b> | MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL                                                  |
|  <b>ChatGPT</b>  | Settings → Tools & plugins → Add MCP server → Paste endpoint                                                      |
|  <b>Gemini</b>   | 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

## Accessible Kitchen Participation Plan is live on Vinkius Cloud.

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Get your connection token, paste it into your AI agent, and  
start building. No SDK. No deployment. Just results.

**Start at [cloud.vinkius.com](https://cloud.vinkius.com) →**

[vinkius.com](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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DOCUMENT INFORMATION

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