

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

Dinner Leftover Portion Planner MCP

Turn one cooked meal into a week of planned portions.

Dinner Leftover Portion Planner MCP handles the math for your meal prep. Instead of guessing how much food you have left, your AI client calculates exactly how to split a single batch of cooking into tonight's dinner, tomorrow's lunch, freezer bags, and emergency reserves.

A+ Quality Score 100/100

meal-prep

cooking

portion-control

kitchen-assistant

leftovers



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.

Dinner Leftover Portion Planner MCP

4 tools available

Cloud-hosted on Vinkius

Stop guessing if you have enough food for the week. This MCP takes your total cooked yield and breaks it down into specific categories based on how you actually eat. You can tell your agent exactly how many people are eating tonight and how many lunches you need for the work week. It handles the division so you don't have to.

If you're planning a big batch of chili or lasagna, you can use this to ensure you don't accidentally eat your entire freezer reserve in one sitting. It checks your math to make sure your planned portions don't exceed what you actually cooked. You can also get a breakdown of how much food is sitting in each storage category, like how much is ready for the fridge versus how much is tucked away in the freezer. It's a simple way to make sure your cooking efforts actually stretch as far as you intended.

Core Capabilities

01 — Yield Math

Your agent calculates how to divide a single batch of food into multiple uses.

02 — Capacity Verification

The AI checks if your cooked volume meets your planned meal counts.

03 — Reserve Planning

Your agent suggests a safe buffer of food to keep in reserve.

04 — Storage Organization

The AI groups your portions by where they will be kept, such as the fridge or freezer.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/dinner-leftover-portion-planner — connect your AI agent in three steps.

- 01 Connect the MCP to your preferred client like Claude or Cursor via Vinkius.
- 02 Tell your agent how much food you cooked and how many people you need to feed.
- 03 The agent uses the tools to calculate distributions and check capacities.
- 04 Receive a clear breakdown of how to divide your food into dinners, lunches, and reserves.

Connect the MCP to your AI client and start planning your portions through simple text commands.

Built For

This is for anyone who cooks in batches to save time during the week.

Meal Preppers

People who cook once a week and need to divide food into daily containers.

Home Cooks

Individuals looking to maximize their grocery budget by using every portion of a meal.

Busy Professionals

Users who want to automate the planning of their work lunches from dinner leftovers.

What Changes When You Connect

- 01 Prevents over-planning meals that exceed your actual food supply.
- 02 Automates the division of food into lunch, dinner, and freezer categories.

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- | | |
|-----------|--|
| 03 | Provides a calculated buffer to ensure you always have emergency food on hand. |
| <hr/> | |
| 04 | Groups portions by storage type to simplify kitchen organization. |
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Real-World Applications

Batch Cooking

Divide a large pot of soup into tonight's dinner, three lunches, and two freezer portions.

Budget Management

Ensure you have enough food for the week by validating your yield against your meal plan.

Emergency Buffers

Calculate a safe reserve amount so you don't run out of food during the week.

Freezer Organization

Get a summary of how much food is designated for long term freezer storage.

Patterns to Avoid

Guessing your food supply

❌ AVOID

You tell your agent you want five lunches and three dinners without knowing if you actually cooked enough chili.

✓ INSTEAD

Use ``validate_yield_capacity`` first to make sure your cooked volume actually covers your planned meals.

Ignoring storage space

❌ AVOID

You plan a massive batch of lasagna but forget that your freezer is already full.

✓ INSTEAD

Run ``get_storage_category_summary`` to see exactly how much space you'll need in the fridge versus the freezer.

Running out of food mid-week

❌ AVOID

You divide everything into lunches and dinners, leaving zero room for error or unexpected hunger.

✓ INSTEAD

Use `suggest\_optimal\_reserve` to find a safe buffer amount so you don't run out of food unexpectedly.

The Right Fit

Connect this MCP if you cook in large batches and want to automate your meal prep math. Do not connect it if you only cook single servings for one person. The decision depends on whether you need to divide a single yield into multiple distinct meal categories.

Dinner Leftover Portion Planner Tools

These tools handle the math for dividing cooked food into specific meal types and storage locations.

#	TOOL	DESCRIPTION
01	calculate_portion_distribution	This tool splits your total food yield into specific categories like dinner, lunch, or freezer portions based on your preferences.
02	get_storage_category_summary	This tool organizes your planned portions into groups based on how they are stored.
03	suggest_optimal_reserve	This tool calculates a recommended buffer amount based on your number of diners and intended lunches.
04	validate_yield_capacity	This tool checks if the amount of food you cooked is actually enough to meet your specific meal requirements.

See It in Action

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

U I made 10 portions of lasagna. 4 people are eating tonight, and I want 2 lunches for tomorrow. How should I distribute the rest?



With 10 portions total, you can serve 4 people tonight, pack 2 lunches, and you will have 4 portions remaining for the freezer or reserve.

U I have 5 portions of chicken. Can I feed 3 people tonight and have 3 lunches ready?



No, you only have 5 portions available, which is not enough to cover 3 diners and 3 lunches (6 portions total).

U I have 8 portions of stew. Suggest a reserve amount for me.



A recommended reserve for your 8 portions is 0.8 portions (10% buffer).

Frequently Asked Questions

01 How do I use this MCP with my AI?

You connect it once through the Vinkius platform. After that, any MCP-compatible client like Claude or Cursor can use the tools directly.

02 Can I use this to plan for a specific number of people?

Yes. You can tell your agent exactly how many diners you have, and it will use that to calculate portions and suggested reserves.

03 What happens if I don't have enough food for my plan?

The `validate_yield_capacity` tool will check your plan against your total food and tell you if you are short on portions.

04 Does this help with freezer storage?

Yes. It can calculate how much to set aside for the freezer and provide a summary of all food grouped by storage type.

05 Do I need to manually do the math?

No. The MCP handles all the division and distribution math for you based on your instructions.

06 How do I know if I have enough food for everyone?

You can use the `'validate_yield_capacity'` tool to check if your total food volume is sufficient for your planned diners and lunch portions.

07 Can I calculate how much to put in the freezer?

Yes, `'calculate_portion_distribution'` allows you to specify exactly how many portions you want to set aside for the freezer.

08 How much reserve should I keep?

The `'suggest_optimal_reserve'` tool can recommend a safe buffer based on your total yield and the number of people eating.

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>"dinner-leftover-portion-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

Dinner Leftover Portion 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	https://edge.vinkius.com/{token}/mcp

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