

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 Party Quantity Planner MCP

Get exact counts for food, drinks, and supplies.

Dinner Party Quantity Planner MCP handles the math for your event logistics. Instead of guessing how much food or ice you need, your AI client calculates precise weights, volumes, and unit counts based on your guest list and menu. It covers everything from beverage service to disposable cutlery.

A+ Quality Score 100/100

catering

party-planning

quantities

supplies

food-and-drink



SCAN TO VIEW

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 Party Quantity Planner MCP

4 tools available

Cloud-hosted on Vinkius

Stop guessing how many bags of ice or liters of wine to buy. This MCP gives your AI agent the ability to run precise calculations for event logistics. You provide the guest count, the menu, and the duration of the event, and your agent handles the rest.

If you're planning a large dinner or a catered gathering, you can use it to figure out total food weights or specific unit counts for courses. It also estimates beverage volumes based on how long your party lasts and calculates exactly how much ice you'll need to keep things cold. Beyond the food and drink, it also determines the number of disposable plates, napkins, and cutlery required so you don't run out mid-party. It turns a messy mental math problem into a clear shopping list.

Core Capabilities

01 — Food Weight Calculation

Your agent calculates total food mass or item counts for your menu.

02 — Drink Volume Estimation

The AI estimates liquid requirements based on guest count and time.

03 — Ice Volume Planning

Your agent determines the weight of ice needed for cooling and service.

04 — Supply Inventory Counts

The AI counts the necessary plates, napkins, and cutlery for your guest list.

One Click on Vinkius — From Prompt to Execution

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

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Tell your agent the number of guests and your menu details.
- 03 The agent uses the specific calculation tools to process the data.
- 04 Receive a precise list of food, drink, ice, and supply quantities.

Get your planning math done in seconds through your AI client.

Built For

This MCP is built for anyone managing event logistics who wants to avoid waste or shortages.

Caterers

Hand off menu planning and bulk ordering math to your agent.

Event Planners

Use the agent to generate supply lists for various guest counts.

Home Hosts

Let your AI client handle the math for dinner parties and celebrations.

What Changes When You Connect

- 01 Eliminates guesswork in food and drink ordering.
- 02 Prevents shortages of essential supplies like ice and plates.
- 03 Reduces food waste by calculating exact weights.

04 Speeds up the planning process for large groups.

Real-World Applications

Large Dinner Parties

Calculate exact food portions and plate counts for a multi-course meal.

Cocktail Hours

Estimate beverage volumes and ice requirements based on the length of the event.

Catering Logistics

Determine bulk supply needs for professional food service.

Budget Management

Use precise quantities to create more accurate shopping lists.

Patterns to Avoid

Vague event parameters

❌ AVOID

You tell your agent you're hosting a party and ask how much food to buy. It won't know if you're feeding five people or fifty.

✓ INSTEAD

Provide the specific guest count, menu items, and event duration. Use ``calculate_food_requirements`` to get exact weights once those details are set.

Ignoring ice needs

❌ AVOID

You calculate the wine and soda but forget to account for the cooling. You end up with warm drinks halfway through the night.

✓ INSTEAD

Always run ``calculate_ice_needs`` to determine the weight required for chilling and serving.

Underestimating disposables

❌ AVOID

You buy enough food for everyone but only grab one pack of napkins. You'll run out before the second course.

✓ INSTEAD

Run ``calculate_supply_requirements`` to get a specific count for plates, cutlery, and napkins based on your guest list.

The Right Fit

Connect this MCP if you manage catering, large-scale events, or frequent home gatherings where waste or shortages are a problem. Do not connect it if you are just looking for recipe ideas or cooking instructions. The decision depends on whether you need hard numbers for logistics rather than culinary inspiration.

Dinner Party Quantity Planner Tools

These tools handle the math for food, drinks, ice, and disposable supplies. Your agent uses them to turn a guest list and a menu into a precise shopping list.

#	TOOL	DESCRIPTION
01	calculate_food_requirements	This tool determines the total weight or unit count of food needed for your specific menu.
02	calculate_beverage_requirements	Use this to estimate the volume of various drinks required based on the event's duration.
03	calculate_ice_needs	This tool calculates the weight of ice needed for chilling drinks and serving guests.
04	calculate_supply_requirements	This tool counts the number of disposable plates, cutlery, and napkins you'll need to buy.

See It in Action

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

U How much food do I need for 10 guests with 2 appetizers (50g each) and 1 main course (250g each)?



You will need 500g of appetizers and 2500g of the main course.

U How much wine should I get for 20 guests for a 4-hour party if they drink 0.5 liters per hour?



You will need 40 liters of wine.

U How many plates and napkins do I need for 15 guests having a 3-course meal?



You will need 45 plates and 45 napkins.

Frequently Asked Questions

01 What can this MCP calculate?

It calculates food weights, beverage volumes, ice requirements, and counts for disposable supplies like plates and napkins.

02 Which AI clients can use this MCP?

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

03 How does it estimate drink amounts?

The agent estimates drink volumes by looking at the number of guests and the duration of the event.

04 Do I need to host the MCP myself?

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

05 Can I use this for professional catering?

Yes, the tool provides specific weight and unit counts that work for both home hosting and professional catering logistics.

06 How does the tool handle leftovers?

You can specify a `'leftoverBufferPercentage'` in the `'calculate_food_requirements'` tool to add a surplus to your total food quantities.

07 Can I calculate ice needs for chilling drinks?

Yes, by using `'calculate_ice_needs'` and setting the `'isChillingRequired'` parameter to true, the tool adjusts the ice weight for chilling.

08 How are beverage amounts calculated?

The `'calculate_beverage_requirements'` tool calculates volume based on the number of guests, the total duration of the event, and the specific consumption rate per hour for each drink type.

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-party-quantity-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 Party Quantity 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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DOCUMENT INFORMATION

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Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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