

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

Barbecue Shopping Planner is your logistics engine.

Turn guest counts and menus into exact shopping lists.

Barbecue Shopping Planner handles the math for your next cookout. It takes your guest list, dietary needs, and menu choices to build a complete breakdown of everything you need to buy. From meat and veggie options to ice, fuel, and paper plates, it ensures you don't run out of food or supplies mid-party.

A+ Quality Score 100/100

barbecue

shopping-list

party-planning

food-logistics

event-management



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.

Barbecue Shopping Planner MCP

4 tools available

Cloud-hosted on Vinkius

Hosting a barbecue is easy until you realize you're three bags of ice short or forgot to buy enough charcoal. This MCP solves that by acting as a dedicated logistics coordinator for your event. Instead of guessing how much brisket or soda to buy, you give your AI client the specifics: how many people are coming, who is vegetarian, if kids are attending, and what the weather looks like.

The MCP processes these variables to generate a granular breakdown of requirements. It doesn't just guess quantities; it calculates specific amounts for food, beverages, ice, and even the hardware like fuel and serving ware. You can ask for a single, unified list of everything or drill down into specific categories like drink volume or meat portions. It accounts for the nuances of your specific crowd, like the ratio of meat-eaters to vegetarians, so you don't end up with a mountain of wasted food or hungry guests.

Core Capabilities

01 — Dietary math

The AI uses this to split food quantities between meat-eaters and vegetarians.

02 — Supply estimation

Your agent uses this to count plates, cutlery, and napkins based on guest numbers.

03 — Ice and drink planning

The AI calculates liquid volume and ice weight based on duration and weather.

04 — Fuel calculation

Your agent determines how much charcoal or fuel is needed for your specific cooking method.

05 — Unified list generation

The AI aggregates all individual calculations into one master list.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/barbecue-shopping-planner — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Provide your guest details, menu, and weather conditions to your AI agent.
- 03 The agent runs the specific calculation tools for food, drinks, or supplies.
- 04 The agent compiles everything into a single shopping list for you.

Get your list ready in a few steps by connecting your AI client to Vinkius.

Built For

This is for anyone responsible for organizing food and supplies for a group event.

Event Hosts

They hand off guest counts and menu ideas to get a shopping list.

Party Planners

They use the tool to ensure logistics like ice and fuel are covered for larger gatherings.

Caterers

They use the granular food calculation tools to estimate bulk ingredient needs.

What Changes When You Connect

- 01 Prevents food waste by matching quantities to guest demographics.
- 02 Eliminates guesswork on ice and beverage volume requirements.
- 03 Ensures you don't run out of fuel or serving supplies during the event.

04 Consolidates multiple planning steps into one master list.

Real-World Applications

Family Cookouts

Plan a weekend BBQ by telling the AI how many adults and kids are coming.

Summer Parties

Use the weather-aware ice calculation to ensure drinks stay cold in high heat.

Vegetarian-Friendly Events

Get exact meat vs. veggie ratios so everyone has enough to eat.

Logistics Checklists

Generate a full hardware list including plates and charcoal so you don't forget the basics.

Patterns to Avoid

Guessing quantities by eye

❌ AVOID

You tell your agent you have 20 guests and hope you bought enough brisket without checking specific ratios.

✓ INSTEAD

Provide your guest list details and use ``calculate_food_quantities`` to get precise amounts for meat and vegetarian options.

Ignoring the weather forecast

❌ AVOID

You buy a standard amount of ice for a summer party without accounting for the heat.

✓ INSTEAD

Include the expected temperature in your prompt and use ``calculate_beverage_and_ice_needs`` to ensure drinks stay cold.

Forgetting the hardware

❌ AVOID

You focus entirely on the food but realize too late that you don't have enough charcoal or plates.

✓ INSTEAD

Use ``calculate_supplies_and_hardware`` to determine exactly how much fuel and disposable serving ware you need to buy.

The Right Fit

Connect this MCP if you are responsible for feeding a group and want to avoid waste or running out of supplies. Do not use it if you are cooking for just one or two people where simple intuition works fine. The decision depends on your guest count and the complexity of your menu.

Barbecue Shopping Planner Tools for Event Logistics

These tools handle the math for food, drinks, fuel, and hardware. They turn guest counts and weather data into a concrete shopping list.

#	TOOL	DESCRIPTION
01	calculate_beverage_and_ice_needs	This tool calculates the total liquid volume you need and the exact amount of ice required to keep your drinks cold.
02	calculate_food_quantities	Use this to determine the precise amount of meat, vegetarian mains, and side dishes based on your guest list.
03	calculate_supplies_and_hardware	This tool figures out how much cooking fuel you'll need and the count of disposable serving ware for your guests.
04	generate_master_shopping_list	This tool pulls all your calculated food, drink, and hardware needs into one single, unified shopping list.

See It in Action

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

U I'm hosting a barbecue for 10 meat-eaters, 2 vegetarians, and 3 children. We want burgers and corn on the cob. It's going to be hot weather, we'll use charcoal, and we need a full list including drinks and supplies.



Here is your complete shopping list:

- Food: 3.5kg Burgers, 1.2kg Corn on the cob, 1.5kg Vegetarian patties.
- Beverages: 15 Liters of Soda, 10kg of Ice.
- Hardware: 2kg Charcoal, 15 Plates, 15 Sets of Cutlery, 20 Napkins.

U How much ice do I need for 20 people drinking soda for 4 hours in hot weather?



You will need 12kg of ice (approximately 3 bags) to keep the drinks cold for 4 hours in hot weather.

U Calculate the food needed for 5 meat-eaters and 5 vegetarians with a menu of hot dogs and veggie skewers.



You will need 1.8kg of Hot dogs and 1.2kg of Veggie skewers.

Frequently Asked Questions

01 How does this MCP handle vegetarians?

The tool uses guest demographics to calculate specific quantities for both meat-based and vegetarian main courses.

02 Can I use this with Claude or Cursor?

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

03 Does it account for weather?

Yes, the tool uses weather conditions to adjust the amount of ice needed to keep drinks cold.

04 What kind of supplies does it calculate?

It calculates hardware and disposable items like fuel, plates, cutlery, and napkins.

05 Do I need to host the MCP myself?

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

06 How does the tool calculate food amounts?

The engine uses guest demographics--meat-eaters, vegetarians, and children--to scale portions and applies a safety buffer to ensure you don't run out of food.

07 Can I get a single list for everything?

Yes, by using the `generate\_master\_shopping\_list` tool, you receive a single, categorized list covering food, drinks, ice, fuel, and disposable supplies.

08 Does it account for hot weather?

Yes, the `calculate\_beverage\_and\_ice\_needs` tool includes a parameter for hot weather, which increases the recommended ice and liquid volume.

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>"barbecue-shopping-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

Barbecue Shopping 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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Endpoint	https://edge.vinkius.com/{token}/mcp

LICENSE & USAGE

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