

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

Annual Expense Total MCP

Turn monthly spending data into yearly budget forecasts.

Annual Expense Total MCP lets your AI client handle your budget math. It pulls your monthly spending, breaks down costs by category, and calculates exactly what you'll likely spend over the next twelve months. Instead of manually calculating projections, you just ask your agent for the numbers.

A+ Quality Score 100/100

expenses

budget

projection

finance

accounting



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.

Annual Expense Total MCP

4 tools available

Cloud-hosted on Vinkius

You can stop manually running budget math every month. This MCP gives your AI client the ability to look at your spending patterns and tell you exactly where your money is going. If you need to know how much you'll spend on groceries by December, your agent can calculate that in seconds. You can dig into specific categories to see where you're overspending or pull a full report to see your total projected costs for the year. It's built to turn raw monthly expense data into actionable yearly forecasts without you needing to touch a spreadsheet.

Core Capabilities

01 — Annual Forecasting

Your agent uses monthly data to predict your total spending for the year.

02 — Category Analysis

The AI pulls summaries to show you how much you spend in specific areas like housing or food.

03 — Monthly Tracking

Your client retrieves specific expense amounts for any given month and category.

04 — Full Budget Reporting

The AI generates a complete overview of all projected annual costs.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/annual-expense-total — connect your AI agent in three steps.

01 Connect the MCP to your preferred client like Claude or Cursor via Vinkius.

02 Ask your agent a question about your spending or budget.

03 The agent calls the necessary tool to fetch or calculate the data.

04 Your agent provides the final answer or report in plain text.

Connecting this MCP to your AI client gives it immediate access to your budget data.

Built For

This is for anyone managing personal or business budgets who wants to use AI to handle the math.

Freelancers

They hand off expense tracking and yearly tax preparation projections to their AI.

Small Business Owners

They use the AI to monitor category spending and forecast annual overhead.

Personal Finance Enthusiasts

They use the agent to quickly check budget status and yearly goals.

What Changes When You Connect

- 01** Eliminates manual math by letting your agent calculate yearly projections.
- 02** Provides instant category breakdowns to identify spending trends.

- 03** Generates full annual budget reports through simple text commands.
-

Real-World Applications

Predicting Yearly Costs

Ask your agent to estimate your total annual food or rent costs based on current monthly trends.

Monitoring Overspending

Use category summaries to see if a specific area of your budget is exceeding its limits.

Budget Planning

Generate a full yearly report to plan for upcoming large expenses.

Monthly Audits

Retrieve specific monthly expense amounts to verify your spending against your goals.

Patterns to Avoid

Guessing yearly totals manually

❌ AVOID

You try to estimate your total annual food costs by multiplying last month's grocery bill by twelve in a chat window.

✓ INSTEAD

Let your agent do the math for you. Use ``calculate_annual_projection`` to get an accurate yearly estimate based on your actual monthly data.

Vague budget inquiries

❌ AVOID

You ask your AI client if you are spending too much money this year without any specific context.

✓ INSTEAD

Be specific about what you want to see. Use ``get_category_summary`` to get a clear breakdown of spending in a specific area like housing or food.

Missing the big picture

❌ AVOID

You only look at individual monthly receipts and lose track of your total annual overhead.

✓ INSTEAD

Get the full view of your finances. Run ``get_yearly_budget_report`` to see every projected cost across all categories at once.

The Right Fit

Connect this MCP if you want to stop manually calculating budget projections and need instant yearly forecasts. If you prefer managing every single line item in a spreadsheet yourself and don't need predictive insights, you don't need this. The deciding factor is whether you want your agent to handle the math for you.

Annual Expense Total: 4 Specialized Budgeting Tools

These tools let your agent handle all the heavy lifting for yearly financial forecasting and category tracking.

#	TOOL	DESCRIPTION
01	calculate_annual_projection	This tool calculates your total yearly spending based on a single month of data.
02	get_category_summary	This tool provides a breakdown of all monthly expenses within a specific category.
03	get_monthly_expenses	This tool retrieves the specific amount spent in a certain category for a given month.
04	get_yearly_budget_report	This tool generates a complete report of all projected annual costs across every category.

See It in Action

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

U How much will I spend in a year if my monthly food expense is \$500?



Your projected annual expenditure for food is \$6,000.

U Give me a summary of my housing expenses.



In the Housing category, you spent \$1,200 in January and \$1,200 in February, with an average monthly spend of \$1,200.

U What is my total projected annual budget for all categories?



Your total projected annual expenditure across all categories is \$45,000.

Frequently Asked Questions

01 How do I use this MCP with my AI?

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

02 Can I get a full year's forecast?

Yes. You can use the tool to calculate annual projections based on your current monthly spending.

03 Does this work with my existing budget data?

This MCP uses the expense data provided to the tools to perform its calculations and generate reports.

04 Can I see spending by category?

Yes. You can request a summary of expenses for any specific category.

05 What clients are compatible?

This MCP works with any MCP-compatible client, including Claude, Cursor, Windsurf, and VS Code.

06 How do I calculate my yearly spending for a specific category?

You can use ``get_category_summary`` to see the monthly breakdown and average spend for that category.

07 Can I project my total annual budget?

Yes, use ``get_yearly_budget_report`` to generate a full report of projected annual costs across all categories.

08 How do I find out what I spent in January?

Use the ``get_monthly_expenses`` tool by providing the category name and 'January' as the month.

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>"annual-expense-total": { "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

Annual Expense Total 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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