

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

Business Expense Analyzer MCP.

Automate your company spending audits and category reporting.

Business Expense Analyzer MCP gives your AI client direct access to your expenditure data. It handles the heavy lifting of aggregating costs, checking for compliance, and breaking down spending by category or date range. Instead of manual spreadsheets, you use your agent to pull instant financial insights and verify if specific expenses meet your business rules.

A+ Quality Score 100/100

expenses

budgeting

auditing

finance-tools

reporting



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.

Business Expense Analyzer MCP

4 tools available

Cloud-hosted on Vinkius

You can stop manually digging through transaction logs to find out where the budget went. This MCP turns your AI client into a specialized financial auditor that understands your spending patterns. When you need to know how much was spent on travel last month or how much tax is included in a specific category, you just ask.

Your agent uses this connection to pull specific totals, look at spending distributions, and verify individual records against your set business rules. It's built to handle the math and the logic, so you can focus on making decisions rather than reconciling receipts. Whether you are checking if a specific expense ID is valid or looking for a high level view of cost distribution, the data is ready for your agent to process immediately.

Core Capabilities

01 — Automated Auditing

Your agent checks individual expense records against business rules to ensure compliance.

02 — Category Totals

The MCP calculates exact spending amounts for specific expense types on demand.

03 — Time-Based Reporting

Your agent pulls total expenditure for any custom date range you define.

04 — Cost Distribution

The tool generates a breakdown of how costs are spread across all categories.

One Click on Vinkius — From Prompt to Execution

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

- 01
- Connect the MCP to your client like Claude or Cursor via Vinkius.
- 02
- Ask your agent a question about your spending or compliance.
- 03
- The agent invokes the necessary tool to pull the data.
- 04
- Your agent processes the result and gives you a direct answer.

Connecting this MCP to your AI client gives your agent immediate access to your expense data.

Built For

This MCP is designed for professionals who manage company budgets and need to audit spending without manual data entry.

Accountants

They hand off the task of verifying expense validity and calculating category totals to their agent.

Operations Managers

They use the agent to monitor spending distributions and budget adherence.

Small Business Owners

They use the tool to get quick answers about their monthly or quarterly burn rates.

What Changes When You Connect

- 01
- Eliminates manual calculation of category totals.
- 02
- Automates the verification of expense compliance.
- 03
- Provides instant spending breakdowns without spreadsheet formulas.

- 04 Enables natural language queries for complex date range reports.
-

Real-World Applications

Monthly Budget Reviews

Ask your agent for a breakdown of all travel and office expenses from the previous month.

Compliance Audits

Have your agent check a list of expense IDs to see which ones violate company policy.

Quarterly Financial Summaries

Get the total spend for a specific three month period to prepare for board meetings.

Tax Preparation

Request a spending breakdown that excludes tax to see net expenditure.

Patterns to Avoid

Manual Spreadsheet Reconciliation

❌ AVOID

You spend three hours copying transaction IDs into a spreadsheet to see if they match your company policy.

✓ INSTEAD

Let your agent handle the audit automatically by using `verify_expense_validity` to check records against your rules.

Vague Spending Inquiries

❌ AVOID

You ask your agent, 'How much did we spend recently?' and get a useless, overly broad answer.

✓ INSTEAD

Be specific with your agent by using `get_total_for_date_range` to pull exact figures for a defined period.

Ignoring Tax Impact

❌ AVOID

You look at total spending and wonder why your net budget doesn't match your actual bank balance.

✓ INSTEAD

Use `get_expense_breakdown` to get a distribution that includes or excludes tax depending on your needs.

The Right Fit

Connect this MCP if you manage company budgets and need to audit spending without manual data entry. Do not connect it if you only track personal expenses or don't have established business rules for compliance. The decision depends on whether you need to turn your AI client into a functional financial auditor.

Business Expense Analyzer: 4 Specialized Financial Tools

These tools give your agent the ability to audit transactions, calculate category totals, and generate custom date-based spending reports.

#	TOOL	DESCRIPTION
01	verify_expense_validity	This tool checks if a specific expense record follows your established business rules. It tells your agent whether a transaction is compliant or not.
02	get_expense_breakdown	This tool provides a full distribution of spending across all categories. You can instruct your agent to include or exclude tax in the results.
03	get_total_by_category	This tool calculates the total amount spent on a specific type of expense. It's how your agent finds out exactly what a specific category cost.
04	get_total_for_date_range	This tool sums up all spending between two specific points in time. Use it to pull totals for a month, a quarter, or any custom period.

See It in Action

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

U How much did we spend on Travel last month?



The total amount spent on Travel last month was \$1,250.00 across 5 individual expenses.

U What is our total spend between 2024-01-01 and 2024-01-31?



The grand total for the period from January 1st to January 31st, 2024, is \$4,320.50, consisting of 12 expenses.

U Is expense ID EXP-9982 valid?



Yes, expense EXP-9982 is valid and meets all business compliance rules.

Frequently Asked Questions

01 How do I use this with Claude?

You connect the MCP through the Vinkius platform. Once connected, your Claude client can immediately use the tools to analyze your expenses.

02 Can the AI check if an expense is valid?

Yes. The `verify_expense_validity` tool allows your agent to check if a specific record meets your business rules.

03 Can I get totals for a specific month?

Yes. You can use the `get_total_for_date_range` tool to find the total spend between any two dates.

04 Does it handle tax calculations?

Yes. The `get_expense_breakdown` tool allows you to choose whether to include or exclude tax in the distribution.

05 What kind of clients work with this MCP?

Any MCP-compatible client works, including Claude, Cursor, Windsurf, and VS Code.

06 How can I see my total spending for a specific category?

You can use the `'get_total_by_category'` tool to retrieve the total amount and the number of expenses for any specific classification.

07 Can I check if an expense is valid according to company rules?

Yes, the `'verify_expense_validity'` tool checks if an expense ID meets all required criteria like positive value and valid date.

08 How do I get a breakdown of all my expenses?

Use the `'get_expense_breakdown'` tool to see how spending is distributed across all categories, with the option to include or exclude taxes.

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>"business-expense-analyzer": { "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

Business Expense Analyzer 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	<code>https://edge.vinkius.com/{token}/mcp</code>

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