

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

Employee Option Pool Calculator MCP

Model your equity needs and hiring dilution accurately.

Employee Option Pool Calculator is a specialized MCP for managing startup equity. It lets your AI client calculate required pool sizes, simulate shareholder dilution, and project how equity will be distributed across different hiring cohorts. You can also account for employee turnover to ensure your pool stays sufficient for future growth.

A+ Quality Score 100/100

equity

options

hiring

dilution

startup



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.

Employee Option Pool Calculator MCP

4 tools available

Cloud-hosted on Vinkius

Managing an equity pool shouldn't feel like guesswork. This MCP gives your AI client the math it needs to handle complex cap table projections. Instead of manually running numbers in a spreadsheet, you can ask your agent to model different hiring scenarios and see the immediate impact on your ownership. You can determine exactly how much equity to set aside for new hires, see how much current shareholders will be diluted by new grants, and even build in a buffer for expected departures. It's built for founders and finance teams who need to move fast without breaking their cap table. You can run simulations for specific hiring cohorts or look at the long-term impact of a large option pool on your existing stakeholders. It turns your AI client into a technical finance partner that understands the mechanics of equity distribution.

Core Capabilities

01 — Hiring Plan Modeling

Your agent uses this to determine total equity needs based on headcount growth.

02 — Dilution Simulation

Your agent runs this to show how new pools affect current ownership percentages.

03 — Cohort Distribution

Your agent uses this to see how equity is split between different levels of new hires.

04 — Attrition Adjustment

Your agent applies this to add a buffer for expected employee turnover.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/employee-option-pool-calculator — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Provide your hiring plan or current ownership details to your agent.
- 03 The agent uses the specific tools to run the math.
- 04 Receive immediate results for pool size, dilution, or allocation.

Connect your AI client to the Vinkius-hosted MCP and start asking questions about your equity.

Built For

This MCP is designed for leaders managing equity and cap tables during growth phases.

Founders

Use the agent to model how new hires will impact their own ownership.

Finance Teams

Hand off complex equity calculations to the agent for quick modeling.

HR and Talent Leads

Use the agent to plan equity grants for upcoming hiring cohorts.

What Changes When You Connect

- 01 Calculates exact equity needs for specific hiring plans.
- 02 Models dilution impact on current shareholders instantly.
- 03 Accounts for employee turnover to prevent pool depletion.

04 Breaks down equity distribution by hire seniority or cohort.

Real-World Applications

Pre-hiring planning

Determine the exact pool size needed before you start recruiting new talent.

Budgeting for growth

Model how much equity to reserve for different levels of seniority over several months.

Investor reporting

Show how a proposed option pool will affect the cap table structure.

Turnover management

Adjust your equity reserves to account for expected staff departures.

4 Tools Available

#	TOOL	DESCRIPTION
01	calculate_pool_requirement	This tool calculates the total equity percentage needed to cover your upcoming hiring plan.
02	estimate_attrition_buffer	Use this to adjust your required pool size by accounting for expected employee departures.
03	project_grant_allocation	This tool breaks down how equity is distributed across specific hiring cohorts.
04	simulate_dilution	This tool calculates the specific dilution impact on existing shareholders when a new option pool is created.

See It in Action

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

- U** Calculate the required option pool for 10 current employees with 5 planned hires at 0.5% grant each over 6 months.



The total required pool size is 2.5% based on your hiring plan.

- U** What will be the dilution if I create a 10% option pool and I currently own 80%?



Your post-dilution ownership will be 72.73%.

- U** Show me the equity breakdown for a hiring plan with 2 Junior hires at 0.1% and 1 Senior hire at 0.5%.



The total allocated equity is 0.7%, with 0.2% for the Junior cohort and 0.5% for the Senior cohort.

Frequently Asked Questions

01 How do I use this MCP with Claude?

You connect your Claude client to Vinkius once, and then you can use the equity tools directly within your Claude chat interface.

02 Can this MCP predict my ownership after a new hire?

Yes, you can use the simulation tools to see how new equity grants will dilute your current ownership percentage.

03 Does this handle attrition?

Yes, the `estimate_attrition_buffer` tool allows you to adjust your pool size based on expected employee departures.

04 Can I see equity splits for different roles?

Yes, the `project_grant_allocation` tool lets you see how equity is distributed across different hiring cohorts.

05 Do I need to host this myself?

No, Vinkius hosts and manages the MCP for you. You just connect and use it.

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>"employee-option-pool-calculator": { "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

Employee Option Pool Calculator 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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