MCP SERVER | NO CODE | CLOUD HOSTED

Equity Split Calculator MCP for AI Agents

Determining Fair Co-founder Ownership Distribution After Initial Investment

The Equity Split Calculator helps co-founders move past subjective arguments to objectively determine fair ownership distribution. It lets you calculate founder shares by weighting contributions like intellectual property, initial capital, time invested, and market risk. You can run two types of calculations: one based on fixed pillars (idea vs. execution) or another that converts raw inputs—like hours worked or dollars spent—into measurable 'slices.' The final audit report provides a detailed justification for the numbers.

A+ Quality Score 100/100

equity | startup | co-founder | ownership | slicing-pie | business-planning

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vinkius.com/mcp/equity-split-calculator

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.

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.

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.

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	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	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.

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.

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.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken 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.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

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.

Equity Split Calculator MCP

3 tools available
Cloud-hosted on Vinkius

Figuring out who owns what when starting a company is messy, and those initial equity negotiations can quickly get bogged down in arguments about whose idea was better or how many late nights were worth. This MCP takes that ambiguity out of the process by converting subjective contributions into objective shares. It lets your AI client calculate ownership using fixed importance weights for pillars like Idea, Execution, Capital, Risk, and Dedication. You don't have to stick to just one method; if you know specific raw inputs—like hours worked or cash injected—you can use another calculation to convert those physical contributions into 'slices.' Furthermore, it wraps up the whole process by generating a detailed audit report that explains why the final split is what it is. All of this power is available through Vinkius, the central catalog where your AI client connects to thousands of specialized tools.

Core Capabilities

01 — Calculate weighted splits based on fixed pillars

Assigns ownership percentages by applying weights (like 'Idea' or 'Capital') that must total 100%.

02 — Convert raw contributions into measurable slices

Takes real-world inputs, such as cash amounts, IP assets, equipment value, and hours worked, and scales them against assigned multipliers to determine a proportional share.

03 — Generate formal equity justification reports

Creates a written audit that explains the reasoning behind any specific ownership distribution calculated.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/equity-split-calculator** — connect your AI agent in three steps.

01 First, decide on your calculation method: are you assigning weights to conceptual pillars (like 'Dedication') or converting physical inputs (like cash and time)?

02 Next, feed the data into the appropriate tool. For weighted splits, provide scores for Idea, Execution, etc., making sure the assigned weights sum correctly.

03 Finally, run the audit generator. It takes your final percentages and builds a formal justification report explaining why that specific ownership structure was reached.

The bottom line is that it moves founder disputes from arguments into calculable, documented financial decisions.

Built For

This MCP is essential for any group forming a new venture. It's perfect for co-founders and early executive teams who need to move past gut feelings when dividing ownership stakes. If you're tired of spending weekends in spreadsheets trying to justify every single dollar, this tool gives your AI client the structure it needs.

Co-founder

Uses this MCP to draft initial partnership agreements and establish a fair ownership split before any money changes hands.

Startup Attorney/Advisor

Reviews complex founder contribution scenarios, calculating potential splits using both weighted pillars and raw asset multipliers for client documentation.

Product Lead / Technical Founder

Determines the precise percentage split among technical co-founders based on who contributed initial code hours versus who provided seed capital or IP.

What Changes When You Connect

01 Stop arguing over who deserves what. Use `calculate_weighted_split` to assign ownership based on fixed pillars like Idea, Execution, and Capital, making the process objective.

02 It handles varied inputs easily. With `calculate_dynamic_slices`, you don't have to guess; just input raw values—like $10k in cash or 50 hours of work—and get a precise slice percentage.

03 The final audit report removes guesswork. The `generate_equity_audit` tool provides clear, documented justification for every number on the split sheet.

04 It standardizes messy discussions. Instead of subjective meetings, your AI agent runs verifiable calculations that all founders can trust and agree on.

05 Accelerate pre-seed agreements. Get a calculated, defensible ownership structure ready to show investors or partners immediately.

Real-World Applications

Revising splits after initial seed funding

Three founders need to adjust their shares because one brought the capital and two brought the IP/Execution. Your agent uses `calculate_dynamic_slices` by multiplying cash contributions against time invested, resulting in a clear proportional ownership adjustment.

Structuring vesting agreements for new hires

A company needs to give 10% equity to a new lead developer. The agent uses `calculate_weighted_split` based on the pillar of 'Execution' (which is high) and 'Capital' (low), ensuring the split matches the role's value.

Documenting founding team contributions

The co-founders want a neutral third party to validate their arrangement. The agent runs `calculate_dynamic_slices` on raw inputs like 'IP Assets' and 'Equipment Value,' then uses `generate_equity_audit` for the formal record.

Debating Idea vs. Execution credit

Two founders argue over who deserves more credit between the core idea and the implementation effort. Your agent uses `calculate_weighted_split` with 'Idea' weights versus 'Execution' weights to show a mathematically balanced split.

Patterns to Avoid

Using only intuition for splits

✗ AVOID

Deciding that because two founders worked late last week, they should get an extra 5% each, regardless of prior agreements or capital contributions.

✓ INSTEAD

Don't rely on feeling. Use `calculate_weighted_split` to assign weights based on agreed-upon pillars (like Dedication and Execution). If raw inputs are available, use `calculate_dynamic_slices` for a more precise calculation.

Mixing up multipliers

✗ AVOID

Applying the multiplier meant for 'Capital' to the raw hours worked by a co-founder.

✓ INSTEAD

Always verify your inputs. If you are calculating raw contributions, use `calculate_dynamic_slices` and ensure each input (Time, Cash, IP) has its correct, specific multiplier assigned.

Skipping the justification step

✗ AVOID

Getting a percentage split from one calculation run but not having any written documentation explaining *why* that number was chosen.

✓ INSTEAD

Never stop after calculating. Always use `generate_equity_audit` last. This creates the necessary formal document needed for legal review and founder buy-in.

The Right Fit

Use this MCP if your primary problem is quantifying subjective co-founder contributions into a legally defensible ownership split. You need to move from 'I think I deserve X' to 'The calculation shows 45%.' Don't use it if you only need rough estimates; the tool

provides detailed, auditable numbers. Avoid using this MCP if your dispute is fundamentally about non-financial factors, like personal friendship or vision alignment—the math can't fix that. If you are certain of all raw inputs (hours, dollars, IP value) and want maximum precision, start with `calculate_dynamic_slices`. If your disagreement centers on the relative importance of conceptual contributions (Idea vs. Risk), use `calculate_weighted_split` first.

Equity Split Calculator: Solving Co-founder Ownership Disputes with Calculated Fairness

When a startup is formed, the initial agreement often relies on handwritten notes and mutual trust. But when cash gets involved or roles shift, those subjective agreements crumble fast. Founders spend weeks manually adjusting spreadsheets, arguing over whether the core idea was worth more than the technical execution, leading to burnout before the company even launches.

With this MCP, you give your AI agent a clear path. Instead of guessing percentages, you can feed in data: assign weights for 'Idea' versus 'Execution,' or use raw inputs like dollars and hours worked with multipliers. The output isn't just a number; it's a mathematically derived ownership split that provides immediate clarity.

Equity Split Calculator: Establishing Audit Trails for Startup Governance

The biggest headache after calculating the numbers is proving them. You can't just present a spreadsheet and expect everyone to sign off. There are too many assumptions, too many inputs—and you need more than just a final number.

This MCP solves that with its audit function. By running `generate_equity_audit`, your agent doesn't just spit out '40%.' It generates the written justification: 'Your 40% ownership is derived primarily from significant capital injection, which mitigated initial financial risk...' This level of detail turns a dispute into a documented business decision.

Equity Split Calculator: 3 Tools for Co-founder Ownership Calculation

These three tools allow you to run full, auditable calculations of founder ownership splits, whether based on initial contributions or abstract weighted pillars.

#	TOOL	DESCRIPTION
01	`calculate_dynamic_slices`	Converts raw contributions—like cash, intellectual property, equipment, and time—into proportional ownership slices using multipliers.
02	`generate_equity_audit`	Creates a detailed written report that justifies the final calculated equity distribution to all parties involved.
03	`calculate_weighted_split`	Calculates ownership percentages by distributing shares based on fixed pillar weights like Idea, Execution, and Capital.

See It in Action

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

U We need to calculate founder splits. Founder A has high idea scores (9/10) but low execution (3/10). Founder B is the opposite (3/10, 9/10). Use equal weights for both pillars.

Equity Split Calculation: Weighted Pillars

Based on your inputs and applying equal weights across all pillars, here is the proposed ownership structure:

FOUNDER	IDEA WEIGHT	EXECUTION WEIGHT	TOTAL SHARE
Founder A	45%	10%	**55%**
Founder B	30%	20%	**50%**

Note: The total weighted contribution was 15 points. Founder A's higher idea score results in a greater proportional weight.

U I contributed $25,000 cash and built the initial website (estimated value of IP is $5,000). My co-founder only provided 100 hours of dedicated time. Calculate our shares.

Dynamic Slice Analysis

We've converted your raw contributions into quantifiable slices using established multipliers:

- **Your Contribution:** $25,000 (Cash) + $5,000 (IP) = 3000 Slices
Co-founder's Contribution: *100 hours* 1.0 Multiplier = 100 Slices

Resulting Ownership Split:
- You: ~96.7%
- Co-founder: ~3.3%

U Can you write up an audit report explaining why Founder X gets 65% ownership due to massive capital injection and risk mitigation?

Equity Audit Report Summary

Founder X's 65% share is fully justified by their initial $100,000 investment. This capital provided the critical liquidity necessary for early-stage operations while simultaneously absorbing significant financial risk that would have otherwise stalled development. The audit confirms this contribution was foundational to mitigating market failure.

Frequently Asked Questions

01 **How does the Equity Split Calculator handle conflicts between money and time?**

It balances them using multipliers in `calculate_dynamic_slices`. You feed in dollar amounts for cash or IP, and then separately input hours worked. The tool converts both into a single unit of 'slices' so you get one accurate ownership percentage.

02 **Do I need to know the exact value of my co-founder's ideas?**

Not exactly. You can use `calculate_weighted_split` instead. This method lets you assign weights (like 'Idea' or 'Execution') based on your collective judgment, which is often easier than assigning a dollar value to an intangible concept.

03 **Is the ownership split calculated by this MCP legally binding?**

The MCP provides a mathematically sound and highly detailed calculation that serves as excellent evidence. While it isn't a legal document itself, its output from `generate_equity_audit` is perfect for your lawyer to use when drafting official partnership agreements.

04 **What if we only have vague contributions, like 'good effort'?**

The tool works best with quantifiable data. If you only have qualitative inputs, start by assigning weights using `calculate_weighted_split` across pillars like Dedication and Risk to give the AI a structure to work within.

05 **Can I use this MCP for multiple rounds of funding?**

Absolutely. You can calculate initial splits, then run subsequent calculations using `calculate_dynamic_slices` every time new capital or IP is added, keeping a full, auditable record of ownership changes.

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 `"equity-split-calculator": { "url": "…" }`
Windsurf	MCP Settings → `mcp_settings.json` → 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

Equity Split 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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