MCP SERVER | NO CODE | CLOUD HOSTED

US Equity Compensation Calculator MCP

Know the real value of RSUs and stock options.

US Equity Compensation Calculator projects what your RSUs and Stock Options are actually worth under different exit scenarios. Input current valuations, grant units, and potential exit multiples to predict future share prices and compare your total projected equity value against guaranteed annual cash compensation. It's an essential tool for analyzing tech job offers.

A+ Quality Score 100/100

equity | rsus | stock-options | compensation | valuation | finance-calculator

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vinkius.com/mcp/us-equity-compensation-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.

US Equity Compensation Calculator MCP

3 tools available
Cloud-hosted on Vinkius

Figuring out if a new job offer is actually better requires more than just comparing base salaries. This MCP lets you run complex calculations on US employee equity packages, giving you a clear picture of your potential wealth build-up. You can predict future share prices based on various exit multiples and estimate the total projected liquid value of grants, whether they're RSUs or options. Furthermore, it helps you compare how much guaranteed annual cash compensation stacks up against your annualized equity projections across conservative, base, and optimistic scenarios. When you connect this MCP via Vinkius, your AI client can pull together these complex financial models instantly, turning a confusing spreadsheet exercise into straightforward answers for job negotiations.

Core Capabilities

01 — Predicting Share Prices

Calculates the estimated price per share if the company exits at a specific multiplier.

02 — Estimating Grant Value

Determines the total projected liquid value of an entire equity grant, regardless of vesting schedule.

03 — Comparing Equity vs. Cash

Compares your annualized equity value against annual cash compensation across three different financial scenarios.

One Click on Vinkius — From Prompt to Execution

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

01 First, input the core metrics for the offer: your current 409A valuation, the number of grant units, and the expected exit multiplier.

02 Next, you instruct your agent to run the required calculations—for example, running a projection using calculate_grant_projected_value or comparing scenarios with compare_equity_to_cash_annualized.

03 The MCP returns clear, actionable figures showing your projected total equity value and how it stacks against guaranteed cash salary in specific financial models.

The bottom line is you get a single, comprehensive view of your total compensation package, making job negotiations data-driven instead of guesswork.

Built For

This tool is for anyone evaluating tech roles: software engineers assessing stock options, product managers comparing offers, or early-career professionals needing to understand the real value of equity grants. If you're tired of spending hours cross-referencing compensation documents and financial models, this MCP saves your time.

Software Engineer

Uses it when evaluating a new offer letter to understand the true long-term value of stock options versus guaranteed salary.

Product Manager

Compares total compensation packages from multiple companies by running standardized equity and cash projections.

HR Compensation Specialist

Needs to model and articulate the financial differences between various types of incentive structures for internal benchmarking.

What Changes When You Connect

01 It moves beyond simple salary comparisons. You can use calculate_grant_projected_value to see the total projected worth of your equity, not just its current book value.

02 Understand risk by comparing compensation types. The compare_equity_to_cash_annualized tool lets you model how your equity performs against cash across conservative, base, and optimistic scenarios.

03 Never guess about an exit event again. Use get_exit_share_price to calculate the potential share price based on various market multiples, giving you a solid range for negotiation.

04 It standardizes complex analysis. Instead of juggling multiple spreadsheets or consulting specialized financial models, your agent handles all the calculations in one place.

05 Saves deep research time. You can quickly model how different vesting schedules impact your total projected value without needing a dedicated finance analyst.

Real-World Applications

Evaluating Competing Offers

A Product Manager receives two job offers with vastly different compensation structures—one heavy on cash, one heavy on RSUs. They ask their agent to run both sets of numbers through the US Equity Compensation Calculator MCP, specifically using compare_equity_to_cash_annualized, to get a clear side-by-side comparison before making an offer decision.

Forecasting Potential Sale Value

An early-stage startup employee needs to know what their vested options might be worth if the company sells in 3 years. They feed the current 409A valuation and a projected exit multiple into get_exit_share_price to narrow down the potential share price range for negotiation.

Understanding Total Grant Size

You are offered a massive equity package but don't know how to calculate its total future value. By running your grant units through calculate_grant_projected_value, you get an immediate estimate of the full liquid potential, clarifying what the offer actually means.

Patterns to Avoid

Only comparing current cost

✗ AVOID

Treating a stock option's value as its current strike price. This ignores vesting schedules and future market multiples.

✓ INSTEAD

Always use calculate_grant_projected_value to get the total potential liquid value, or run an exit scenario using get_exit_share_price before accepting.

Ignoring risk scenarios

✗ AVOID

Assuming that your company will always perform in a 'base case' and ignoring worst-case financial outcomes.

✓ INSTEAD

Use compare_equity_to_cash_annualized to model compensation across conservative, base, AND optimistic scenarios. Don't rely on just one number.

Using basic spreadsheets

✗ AVOID

Manually inputting and adjusting multiple variables (like exit multiples or cash raises) in Excel, leading to formula errors.

✓ INSTEAD

Use the dedicated tools like get_exit_share_price. It calculates these complex projections for you instantly without manual setup.

The Right Fit

Use this MCP if your compensation analysis requires modeling multiple variables: projected exit multiples, various risk scenarios (conservative to optimistic), or comparing highly disparate asset classes like cash vs. equity. You need a financial model that accounts for future events, not just current numbers. Don't use this if you simply need to calculate the total value of already vested shares; in that case, simpler portfolio trackers work fine. However, if your goal is to understand how an *unvested* grant stacks up against

guaranteed income across different market conditions, then running compare_equity_to_cash_annualized is necessary.

The Pain of Analyzing Tech Compensation

Today, evaluating a new tech offer feels like assembling an advanced puzzle. You're handed a pile of documents: one sheet for base salary, another for RSUs with vesting cliffs, and a third full of options defined by a strike price. You end up opening multiple spreadsheets, copying variables, adjusting formulas, and cross-referencing three different financial assumptions—all while trying to keep track of which scenario you're modeling.

With this MCP, that manual process vanishes. You simply tell your agent what the grant units are and what exit multiples to test. The tool handles the complex math behind predicting future share prices and calculating projected total value, giving you a clear, single-source answer without opening a spreadsheet.

Get Clarity with calculate_grant_projected_value

The biggest manual step that goes away is the guesswork about total value. Instead of asking, 'What if I hit my goals over 4 years?' and getting vague answers, you run calculate_grant_projected_value. This tool takes your current grant units and spits out a clear projection based on known variables.

Now, when reviewing an offer, you don't just see the number of shares; you see the calculated potential value over time. It changes your negotiation from 'how many shares?' to 'what is this *actually* worth?'

US Equity Compensation Calculator: 3 Tools

These tools allow you to model complex compensation packages, predict share prices based on exits, and compare equity value versus guaranteed annual cash.

#	TOOL	DESCRIPTION
01	`get_exit_share_price`	Calculates what a share price would be if the company exited at a specific multiplier, based on current valuation.
02	`calculate_grant_projected_value`	Estimates the full liquid value of an equity grant, which accounts for vesting and time.
03	`compare_equity_to_cash_annualized`	Compares your expected annual cash compensation against projected annualized equity values under different risk scenarios.

See It in Action

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

U If my current 409A valuation is $5.00 and I expect a 3x exit multiple, what will the share price be?

$15.00

U I have 1000 RSUs and the predicted exit price is $25.00. What is my projected value after 4 years?

$25,000.00

U Compare an annual cash of $150,000 against projected equity values of [$50k, $100k, $200k] over 4 years.

In the conservative scenario, your annualized equity is $12,500 (Delta: -$137,500). In the base scenario, it is $25,000 (Delta: -$125,000). In the optimistic scenario, it is $50,000 (Delta: -$100,000).

Frequently Asked Questions

01 **How does the US Equity Compensation Calculator MCP use get_exit_share_price?**

The tool uses get_exit_share_price to predict what a share costs if the company exits. You input your current valuation and the expected exit multiple, and it gives you the resulting estimated price per share.

02 **Can I use calculate_grant_projected_value for options?**

Yes, calculate_grant_projected_value estimates the total projected liquid value of any equity grant. It handles both RSUs and stock options to give you a complete picture of their potential worth.

03 **What is compare_equity_to_cash_annualized for?**

This tool lets you compare your projected annual equity value against guaranteed cash salary. It runs these comparisons across three scenarios: conservative, base, and optimistic.

04 **Does the US Equity Compensation Calculator MCP require current 409A valuations?**

Yes, providing the current 409A valuation is necessary for accurate projections. This metric helps establish the baseline value needed to run all the comparison and pricing tools.

05 **Is this better than a general finance spreadsheet?**

Yes. While spreadsheets are flexible, they require you to manually set up every formula and variable for each scenario. This MCP handles the complex financial logic instantly across all scenarios you request.

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 `"us-equity-compensation-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

US Equity Compensation 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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