MCP SERVER | NO CODE | CLOUD HOSTED

Annual Recurring Revenue Engine for SaaS.

Get precise financial modeling and revenue projections through your AI client.

Annual Recurring Revenue Engine gives your AI agent the math needed to handle subscription-based financials. It processes MRR, annual contracts, and churn data to provide clear views of your revenue health. You can use it to normalize multi-year deals, separate one-time fees from recurring revenue, and project how retention changes will hit your bottom line.

saas | revenue | arr | mrr | financial-modeling

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vinkius.com/en/ai-agent-connect/annual-recurring-revenue-engine

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.

Annual Recurring Revenue Engine MCP

4 tools available
Cloud-hosted on Vinkius

You can stop manually calculating subscription metrics and let your AI agent do the heavy lifting. This MCP handles the complex math behind SaaS financials, turning raw MRR and contract data into actionable ARR insights. If you're dealing with multi-year deals, the engine normalizes those values so you can see your true annual run rate. It also helps you clean up your data by separating one-time service fees from your actual recurring revenue. Instead of guessing how churn will affect your growth, you can run simulations to see the impact of retention changes on your future revenue. It's built for anyone who needs to model predictable revenue streams without building custom spreadsheets every time they have a new question.

Core Capabilities

01 — ARR Calculation

Your agent uses this to turn MRR and annual contract values into a single ARR figure.

02 — Revenue Separation

The AI uses this to distinguish between recurring subscription revenue and one-time fees.

03 — Contract Normalization

Your agent applies this to multi-year deals to find the standard annual value.

04 — Churn Modeling

The AI uses this to predict how retention rates will change your future revenue.

05 — Growth Projections

Your agent uses this to calculate growth rates based on current and previous ARR.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/en/ai-agent-connect/annual-recurring-revenue-engine** — connect your AI agent in three steps.

01 Connect your preferred MCP-compatible client to Vinkius.

02 Select the Annual Recurring Revenue Engine from the catalog.

03 Provide your revenue data, such as MRR or contract values, to your AI agent.

04 The agent uses the specific tools to perform the calculations.

05 Receive formatted financial insights and projections directly in your chat.

Get your financial math running in your AI client in minutes.

Built For

This MCP is built for professionals managing subscription-based business models who need fast, accurate revenue math.

Financial Analysts

They hand off complex revenue modeling and growth calculations to the agent.

SaaS Business Owners

They use the agent to get quick snapshots of their ARR and revenue composition.

Revenue Operations

They use the tool to normalize contract data and predict the impact of churn.

What Changes When You Connect

01 Eliminates manual math errors in ARR and MRR calculations.

02 Provides a clear view of recurring versus one-time revenue.

03	Normalizes multi-year contract values for accurate annual reporting.
04	Models the financial impact of customer retention and churn.

Real-World Applications

Monthly Reporting

Calculate your monthly growth rates and total ARR without manual spreadsheet work.

Contract Analysis

Convert a large multi-year deal into a normalized annual value to see its true impact.

Revenue Auditing

Check your revenue composition to ensure one-time fees aren't being counted as recurring.

Churn Simulation

Run scenarios to see how a drop in renewal rates will change your projected ARR.

4 Tools Available

#	TOOL	DESCRIPTION
01	adjust_for_multiyear_contracts	This tool normalizes long-term deals into a standard annual format. It's useful for seeing the true yearly value of multi-year agreements.
02	analyze_revenue_composition	This tool breaks down your total revenue into recurring and non-recurring parts. Use it to ensure one-time fees aren't inflating your ARR numbers.
03	calculate_arr_metrics	This tool handles the core math for your ARR and growth projections. It processes MRR and annual contract values to give you a clear growth picture.
04	predict_retention_impact	This tool estimates how changes in churn or retention will affect your revenue. It helps you model the downstream effects of customer turnover.

See It in Action

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

U Calculate my ARR metrics. My MRR is $50,000, I just signed $120,000 in annual contracts, and my renewal rate is 0.90. My previous ARR was $500,000.

Your total ARR is $720,000, representing a 44% growth rate from your previous ARR. Your projected ARR after renewals is $648,000.

U What is the revenue composition if my MRR is $10,000, annual contracts are $50,000, and one-time revenue is $5,000?

Your total revenue is $80,000. The recurring portion is 75% and the non-recurring portion is 6.25%.

U Normalize a 3-year contract worth $300,000.

The normalized ARR for this contract is $100,000 per year.

Frequently Asked Questions

01 **What can this MCP calculate?**

It calculates ARR, growth rates, revenue composition, normalized contract values, and the impact of retention on revenue.

02 **Can I use this with Claude or Cursor?**

Yes, you can connect this MCP to any MCP-compatible client including Claude, Cursor, and Windsurf.

03 **How does it handle multi-year contracts?**

It uses a specific tool to normalize those long-term deals into a standard annual value.

04 **Does it separate one-time fees from recurring revenue?**

Yes, the revenue composition tool distinguishes between recurring and non-recurring revenue streams.

05 **Do I need to host the MCP myself?**

No, Vinkius hosts and manages the MCP for you, so it is ready to use immediately after connection.

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 `"annual-recurring-revenue-engine": { "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

Annual Recurring Revenue Engine 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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Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

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