

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

Family Plan Seat Allocator MCP.

Automate seat assignments and manage household storage quotas.

Family Plan Seat Allocator MCP handles the math and logic behind household subscription management. It matches members to available seats based on their specific priority and storage needs. Your AI client uses this to prevent overages, identify redundant individual subscriptions, and ensure the right people get access to the services they need.

A+ Quality Score 100/100

family-plans

seat-allocation

subscription-management

storage-optimization

household-tools



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.

Family Plan Seat Allocator MCP

4 tools available

Cloud-hosted on Vinkius

Managing a household subscription is a headache of conflicting priorities and storage limits. This MCP takes that manual work off your plate. Instead of guessing who gets a seat or how much space is left, you let your agent handle the heavy lifting. It looks at how much storage each person needs and how high their priority is to make the best seat assignments. You can also use it to spot where people are paying for individual plans that overlap with your family plan, saving you money. It's a precise way to keep your digital household organized without the constant manual checking of quotas and eligibility rules.

Core Capabilities

01 — Seat Assignment

Your agent uses this to match people to available slots based on their importance.

02 — Storage Monitoring

Your agent calculates how much data each person is using against the total limit.

03 — Conflict Detection

Your agent identifies members who are paying for redundant individual subscriptions.

04 — Eligibility Verification

Your agent checks if a user meets specific plan requirements like age or account status.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/family-plan-seat-allocator — connect your AI agent in three steps.

01 Connect the MCP to your preferred client like Claude or Cursor.

02 Provide your member data and plan limits to your agent.

03 Ask the agent to run seat allocation or storage calculations.

04 Review the results and apply the changes to your subscriptions.

Connect the MCP to your client and let your agent handle the subscription math.

Built For

This is for anyone managing complex digital households or shared service accounts.

Household Managers

They hand off the task of tracking storage limits and seat availability to their agent.

Subscription Administrators

They use the agent to find and remove redundant individual payments.

Digital Organizers

They delegate the logic of priority-based seat allocation to the MCP.

What Changes When You Connect

-
- | | |
|----|---|
| 01 | Automates seat matching based on user priority. |
| 02 | Prevents storage overages by monitoring quotas. |
| 03 | Reduces wasted spending by finding overlapping subscriptions. |
| 04 | Validates user eligibility against specific plan rules. |
-

Real-World Applications

Managing Storage Limits

Use the agent to see if adding a new family member will push the total storage over the limit.

Optimizing Seat Usage

Assign seats to the most important users first when capacity is limited.

Cost Reduction

Identify family members who should cancel their personal plans because they are covered by the family plan.

Compliance Checks

Verify that all members being added to a plan meet the necessary age or type requirements.

Patterns to Avoid

Manual Seat Guessing

❌ AVOID

You try to manually decide which family member gets a seat based on who asks first. This leads to high-priority users running out of space.

✓ INSTEAD

Let your agent handle the logic using `allocate_family_seats` to match users based on their actual priority and storage needs.

Ignoring Redundant Costs

❌ AVOID

You keep paying for individual subscriptions because you didn't realize they overlap with your family plan. You lose money every month.

✓ INSTEAD

Run `identify_subscription_conflicts` to find members who are paying for services already covered by the main plan.

Overlooking Storage Limits

❌ AVOID

You add a new member to the plan without checking if the total storage can actually handle their data. The plan hits its limit immediately.

✓ INSTEAD

Use `calculate_storage_utilization` to see exactly how much of the total quota is currently being used before adding anyone new.

The Right Fit

Connect this MCP if you manage shared digital accounts or complex household subscriptions. Don't connect it if you only manage a single personal account. The decision depends on whether you have multiple users competing for limited seats or storage.

Family Plan Seat Allocator Tools

These tools handle the math and logic for seat assignments, storage tracking, and subscription auditing.

#	TOOL	DESCRIPTION
01	allocate_family_seats	This tool runs the core logic to match household members to available seats. It uses priority and storage requirements to decide who gets access.
02	calculate_storage_utilization	This tool tracks how much of the total plan quota is being used. It calculates the percentage of storage consumed by your current assignments.
03	identify_subscription_conflicts	This tool scans your household members for overlapping services. It finds people who are paying for individual plans that conflict with the family plan.
04	validate_member_eligibility	This tool checks if a specific person meets the technical requirements for a plan. It verifies constraints like age limits or account types.

See It in Action

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

U Allocate seats for these members: 3 members, capacity 2, total storage 100GB. Member A (Priority 1, 60GB), Member B (Priority 2, 30GB), Member C (Priority 3, 20GB).



Member A is assigned a seat. Member B is assigned a seat. Member C remains unassigned due to storage limits. Unused seats: 0. Duplicate subscriptions: 0.

U Check if a member with ID 'user_123' is eligible for a plan with age limit 18.



The member is eligible for the plan.

U Calculate the storage utilization for 2 assigned members using 40GB and 50GB of a 100GB quota.



Used storage is 90GB, remaining storage is 10GB, and utilization is 90%.

Frequently Asked Questions

01 How does the seat allocation work?

The MCP uses priority levels and storage needs to decide which members get a seat when capacity is limited.

02 Can this MCP help me save money on subscriptions?

Yes, it identifies subscription conflicts where members are paying for individual plans that overlap with your family plan.

03 What happens if a member exceeds the storage limit?

The allocation tool will leave that member unassigned if their storage requirements exceed the remaining available quota.

04 Which AI clients can use this MCP?

You can use this with any MCP-compatible client, including Claude, Cursor, and Windsurf.

05 Does it check for age restrictions?

Yes, the `validate_member_eligibility` tool can check if a member meets specific constraints like age limits.

06 How does the seat allocation priority work?

The engine processes members in descending order of their priority tier. Higher priority members are assigned seats first until either the `planCapacity` is reached or the `totalStorageQuota` is exhausted.

07 What happens if a member's storage needs are too high?

If a member's storage requirement exceeds the remaining available quota, they will remain unassigned even if there are still available seats in the plan.

08 How can I find members with duplicate subscriptions?

You can use the `identify_subscription_conflicts` tool to scan the household list and find members who already pay for services covered by the family plan.

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>"family-plan-seat-allocator": { "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

Family Plan Seat Allocator 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	https://edge.vinkius.com/{token}/mcp

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