

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

Cloud Storage Plan Comparator MCP

Stop overpaying for cloud space you don't use.

Cloud Storage Plan Comparator MCP analyzes your storage needs against various subscription tiers. It calculates true monthly costs, identifies unused capacity, and predicts expensive overage fees. Your AI client uses these calculations to pick the most efficient plan for your specific data footprint.

A+ Quality Score 100/100

storage

cloud

comparison

cost-optimization

subscription



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.

Cloud Storage Plan Comparator MCP

4 tools available

Cloud-hosted on Vinkius

You shouldn't have to guess which storage tier is cheapest. This MCP acts as a decision engine for your cloud subscriptions. Instead of manually checking pricing tables, you let your AI client run the math on cost per gigabyte and projected overage penalties. It looks at your current data footprint to see if you're paying for headroom you'll never touch, or if you're one large upload away from a massive bill. You can run comparisons across multiple providers or dive deep into a single plan to see how it stacks up against your actual usage. It turns messy subscription math into clear, actionable data for your agent.

Core Capabilities

01 — Cost Analysis

Your agent calculates the true monthly cost of different subscription tiers.

02 — Capacity Planning

The MCP identifies how much unused space you have in a specific plan.

03 — Overage Prediction

Your AI client estimates future costs if your data usage grows beyond current limits.

04 — Plan Ranking

The tool sorts multiple storage options to find the most cost-effective choice.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/cloud-storage-plan-comparator — connect your AI agent in three steps.

- 01 Connect the MCP to Claude, Cursor, or Windsurf via Vinkius.
- 02 Provide your current data usage or specific plan names to your AI client.
- 03 The agent uses the MCP tools to run cost and capacity calculations.
- 04 Receive a ranked list or a specific cost projection in your chat interface.

You connect the MCP to your AI client and start asking questions about storage costs.

Built For

This MCP is built for anyone managing digital assets or cloud infrastructure who needs to keep subscription costs under control.

IT Managers

They hand off subscription auditing and cost-optimization tasks to their AI agent.

Data Engineers

They use the tool to ensure storage tiers match growing datasets without hitting overage fees.

Small Business Owners

They use the MCP to avoid overpaying for cloud space they don't actually need.

What Changes When You Connect

- 01 Identifies unused capacity to prevent overpaying for empty space.
- 02 Predicts overage penalties before they hit your bill.

03 Ranks multiple plans to find the lowest cost per gigabyte.

04 Provides clear math on true monthly costs for any tier.

Real-World Applications

Subscription Auditing

Review your current cloud storage to see if you are on the most efficient tier.

Budget Forecasting

Estimate how much your cloud bill will increase as your data footprint grows.

Tier Migration

Compare your current plan against a new tier to decide if an upgrade is worth the cost.

Overage Prevention

Calculate the cost of exceeding limits to choose a plan with enough headroom.

Patterns to Avoid

Guessing based on base price

❌ AVOID

You look at a plan's monthly fee and assume it's the cheapest option without checking the cost per gigabyte.

✓ INSTEAD

Use ``compare_plans`` to rank different tiers by actual value based on your specific capacity needs.

Ignoring potential overage fees

❌ AVOID

You pick a plan that fits your current data exactly, ignoring the fact that one large upload will trigger massive penalties.

✓ INSTEAD

Run ``get_overage_projection`` to see the real financial impact of exceeding your current limits.

Overpaying for empty headroom

❌ AVOID

You keep paying for a high-tier enterprise plan even though your actual data footprint is tiny.

✓ INSTEAD

Check your actual usage efficiency with ``calculate_plan_efficiency`` to see if you're wasting money on unused space.

The Right Fit

Connect this MCP if you manage cloud infrastructure or digital assets and need to control subscription costs. Don't connect it if you have a static, unchanging data footprint that never grows. The decision comes down to whether your storage needs are dynamic enough to require constant cost auditing.

Cloud Storage Plan Comparator Tools

These tools handle the heavy lifting of subscription math, from comparing tier values to projecting future overage costs.

#	TOOL	DESCRIPTION
01	calculate_plan_efficiency	This tool measures how well a specific plan fits your actual data needs. It compares the cost and capacity of a tier against your current usage patterns.
02	compare_plans	This tool ranks different storage tiers to find the best value. It evaluates multiple options based on their cost and capacity to find the winner.
03	get_overage_projection	This tool estimates what you'll actually pay if you exceed your plan limits. It calculates the total cost including base fees and penalty charges.
04	get_plan_details	This tool pulls the specific technical and pricing details for a single storage plan. It provides the raw data needed for deeper analysis.

See It in Action

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

U Which of these plans is the best value for 500GB of usage: plan_standard_500 or plan_premium_1000?



The plan_premium_1000 is the best choice. It has a monthly equivalent cost of \$8.50 and leaves you with 500GB of headroom.

U How much will it cost if I use 120GB on a 100GB plan?



The total projected cost is \$15.00. This includes the base fee plus a \$5.00 overage penalty.

U Check the efficiency of plan_basic_250 for my current 200GB usage.



The plan_basic_250 costs \$4.99 per month. It provides 50GB of headroom and carries no overage risk at your current usage level.

Frequently Asked Questions

01 How does this MCP help me save money on cloud storage?

It identifies plans where you are paying for unused capacity and predicts when you might hit expensive overage fees.

02 Can I use this with Claude or Cursor?

Yes, you can connect this MCP to any compatible client like Claude, Cursor, or Windsurf through the Vinkius platform.

03 Does it predict overage fees?

Yes, the `get_overage_projection` tool calculates the total cost including base fees and penalties if you exceed your limit.

04 What kind of data do I need to provide?

You typically need to provide your current data usage in GB or the specific names of the storage plans you want to compare.

05 Do I need to host this myself?

No, Vinkius hosts and manages the MCP for you, so it is ready to use as soon as you connect it.

06 How does the tool calculate the best value plan?

The `'compare_plans'` tool ranks plans primarily by their monthly equivalent cost. If two plans have the same cost, it uses capacity headroom as a tie-breaker to favor the plan that provides more space without excessive waste.

07 Can I predict costs for future data growth?

Yes, you can use `'get_overage_projection'` to estimate the total cost if your projected data usage exceeds the capacity of a specific plan.

08 What is the difference between monthly and annual costs?

The engine calculates the monthly equivalent cost. For annual plans, it divides the total annual price by twelve to provide a fair comparison against monthly-only plans.

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>"cloud-storage-plan-comparator": { "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

Cloud Storage Plan Comparator 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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