

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 Photo Counter MCP.

Track and count your digital photo collections through your AI client.

Family Photo Counter lets your AI agent navigate and audit your digital photo albums. It can scan through nested folders to find specific collections, pull detailed album info, and calculate exactly how many photos are tucked away in your sub-albums. It's a simple way to get a clear view of your digital memories without manual counting.

A+ Quality Score 100/100

photos

albums

family

counting

management



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.

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 Photo Counter MCP

4 tools available

Cloud-hosted on Vinkius

You can use this MCP to give your AI client a clear view of your digital photo storage. Instead of clicking through endless folders to see what you have, you can just ask your agent to find what you need. It can look through your entire album hierarchy to find specific collections or give you a flat list of everything you've saved. If you need to know the scale of a specific collection, the MCP can calculate the total photo count across an album and all its nested sub-folders. You can also pull specific photo IDs from a single folder or grab the full details of any specific album. It turns your messy photo directories into a searchable, countable database that your AI can interact with directly.

Core Capabilities

01 — Recursive Counting

Your agent uses this to find the total photo count across nested sub-folders.

03 — Metadata Retrieval

Your agent pulls specific details about an album to understand its contents.

02 — Album Discovery

The AI uses this to scan your entire library for specific collection names.

04 — Direct Photo Access

The AI gets specific photo IDs from a single folder for targeted tasks.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/family-photo-counter — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 The MCP exposes photo management tools to your agent.
- 03 Ask your agent a question about your albums or photo counts.
- 04 The agent calls the necessary tool to scan your folders.
- 05 Your agent delivers the specific counts or lists you requested.

Connecting this MCP to your AI client gives your agent immediate access to your photo metadata.

Built For

This is for anyone managing large digital photo libraries who wants to use AI to audit or organize their collections.

Digital Archivists

They hand off the task of counting and auditing large photo hierarchies to their AI agent.

Family Historians

They use the AI to quickly find and quantify specific eras or events in their photo history.

Data Organizers

They use the tool to verify the contents of nested folders without manual browsing.

What Changes When You Connect

- 01 Eliminates manual counting of photos in nested folders.
- 02 Provides a searchable interface for your photo collections via your AI client.

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- 03 Allows for instant auditing of album sizes and contents.
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- 04 Reduces the time spent navigating deep folder structures.
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Real-World Applications

Library Auditing

Check the total size of a specific year's worth of photos by counting all sub-folders at once.

Album Discovery

Ask your agent to find a specific vacation album among hundreds of other folders.

Content Verification

Get a list of photo IDs from a specific album to verify what is actually inside.

Metadata Checks

Quickly pull the specific details of an album to see how many sub-albums it contains.

Patterns to Avoid

Manual Folder Hunting

❌ AVOID

You try to tell your agent to look through every single folder one by one to find a specific photo. This takes forever and usually fails.

✓ INSTEAD

Use `list\_albums` to get a full view of your library first. This lets your agent see the entire structure in one go.

Ignoring Nested Folders

❌ AVOID

You ask for a photo count and assume the number includes everything in the sub-folders. You end up with an undercount.

✓ INSTEAD

Use `count\_album\_photos` instead. It specifically calculates the total count across an album and all its nested sub-folders.

Broad Search Fatigue

❌ AVOID

You ask your agent to find every photo from 2022 without specifying a folder. The agent gets overwhelmed by the sheer volume of data.

✓ INSTEAD

Narrow the scope by using `get\_album\_details` to understand the folder hierarchy before asking for specific IDs.

The Right Fit

Connect this MCP if you manage massive, deeply nested photo libraries that are too large to navigate manually. Do not connect it if your photos are all in a single, flat folder. The decision depends on whether your library has a complex hierarchy that requires recursive counting.

Family Photo Counter MCP Tools

These tools give your AI client direct access to your photo library structure and contents. You can count, search, and inspect albums without manual browsing.

#	TOOL	DESCRIPTION
01	get_album_details	This tool retrieves specific information about a single album. It provides the metadata and context needed to understand that collection.
02	list_albums	This tool returns a flat list of every album available in your system. You can also include a search query to filter the results by name.
03	find_photos_by_album	This tool provides a list of photo IDs located directly within a single album. It does not include photos from sub-albums.
04	count_album_photos	This tool calculates the total number of photos within a specific album. It includes every photo found in any nested sub-albums.

See It in Action

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

U How many total photos are in the 'Summer Vacation 2023' album and all its sub-folders?



There are a total of 142 photos in the 'Summer Vacation 2023' album and its sub-albums.

U List all the albums I have available.



You have the following albums: 'Summer Vacation 2023', 'Birthday Party', and 'Family Trip'.

U What are the details for the album with ID 'abc-123'?



Album 'abc-123' is named 'Christmas 2022'. It contains 15 photos and has 2 sub-albums.

Frequently Asked Questions

01 How does the photo counting work for sub-folders?

The `count_album_photos` tool is recursive. It counts every photo in the main album and everything inside its sub-albums.

02 Can I search for specific albums by name?

Yes. You can use the `list_albums` tool and provide a search query to filter for the specific name you want.

03 Does this MCP work with Claude or Cursor?

Yes. This MCP works with any MCP-compatible client, including Claude, Cursor, and Windsurf.

04 Will it show me photos in sub-folders when I list a single album?

No. The `find_photos_by_album` tool only lists the IDs for photos directly inside that specific album.

05 Do I need to host this myself?

No. Vinkius hosts and manages the MCP for you. You just connect your client and start using it.

06 How does the photo count work for nested albums?

By using the `count_album_photos` tool, the system calculates a recursive total that includes all photos in the target album and all its sub-albums.

07 Can I search for a specific album?

Yes, you can use the `list_albums` tool with a search query to filter and find specific albums by name.

08 Does this tool show photos in sub-albums when listing album contents?

No, the `find_photos_by_album` tool only returns photos directly inside the specified album, not those in nested sub-albums.

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-photo-counter": { "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 Photo Counter 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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Server ID	01a0cfa8-3f64-73ea-b83e-169355abf2a1
Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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