

MCP SERVER

NO CODE

CLOUD HOSTED

# Google Drive: Folders & Shared Drives MCP

Manage structure and permissions via conversation.

Google Drive: Folders & Shared Drives provides full control over your corporate document architecture. You can manage complex folder hierarchies, organize collaborative Shared Drives, and set granular permissions using natural language commands through your AI agent.

**A+** Quality Score 100/100

file-organization

folder-hierarchy

shared-drives

cloud-storage

data-governance



# The infrastructure that powers AI agents in the real world.



Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

# Your AI Connections Run Through Vinkius Cloud

The world's largest  
managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Google Drive: Folders & Shared Drives MCP

12 tools available  
Cloud-hosted on Vinkius

This MCP lets you treat Google Drive like a structured database. Instead of clicking through endless tabs to find the right file or check who has access, you talk to your agent. It helps you manage entire corporate storage structures—from creating deep folder paths to instantly moving files between departments. You can list accessible Shared Drives and quickly audit permissions for groups or single users. Need quick links? The agent builds shortcuts to critical documents so everyone always knows where to look. Connecting this MCP through Vinkius gives your AI client a powerful, centralized view of all your organizational assets, making you the architect of your own workspace.

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## Core Capabilities

### 01 — Build and restructure folders

Create new folder paths or instantly move files and entire directories to different parent folders.

### 03 — Map out shared workspaces

List all available Shared Drives and legacy Team Drives to understand the scope of collaborative areas.

### 05 — Check storage health

Retrieve high-level quota and storage usage information for your entire organizational drive.

### 02 — Govern access permissions

Manage who can see what by adding, removing, or auditing specific user and group permissions across any folder.

### 04 — Create instant quick links

Build shortcuts to key documents or folders, keeping critical files visible without duplicating data.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/google-drive-folders-shared-drives](https://vinkius.com/mcp/google-drive-folders-shared-drives) — connect your AI agent in three steps.

- 01 Subscribe to this MCP and provide your Google OAuth Client ID and Secret.
- 02 Complete the secure Google authorization flow through your preferred AI client.
- 03 Start giving commands—your agent will handle the connection details and perform complex organizational tasks.

The bottom line is that you give instructions in plain English, and this MCP handles the administrative heavy lifting within Google Drive's system.

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## Built For

This connector is essential for IT Admins who manage thousands of documents, Operations Managers running complex project rollouts, and anyone whose job depends on maintaining a clean, navigable corporate file structure.

### IT Administrator

Auditing large-scale folder permissions or managing the core Shared Drive structures across multiple departments.

### Operations Manager

Organizing project hierarchies and ensuring that all team members only have access to the folders relevant to their current task.

### Content Creator

Maintaining clean organizational structures by creating shortcuts for frequently used assets across different parts of the company drive.

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## What Changes When You Connect

- 01 Stop digging through nested folders. You can use `list_folder_contents` to instantly see every file and subfolder within a massive project directory, eliminating hours of manual browsing.

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- 02** Control who sees what by using `add_folder_permission` or `remove_folder_permission`. Instead of emailing access requests, you just tell your agent to update the permissions for an entire group on a folder.
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- 03** Keep your work clean with shortcuts. When you use `create_shortcut`, you build quick links that point to critical documents without having to move or copy files, ensuring data integrity.
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- 04** Gain a full picture of your storage limits using `get_drive_about`. You'll know exactly what quota space you're close to maxing out before the whole team hits a roadblock.
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- 05** Handle massive file moves quickly. Use `move_file_to_folder` to instantly shift entire project directories, making sure nothing gets left behind in old locations.
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## Real-World Applications

### The Quarterly Audit

A compliance officer needs to check if the HR folder has been accidentally shared with external vendors. They ask their agent to run a permission audit on all Shared Drives, which uses `list_shared_drives` and then checks access levels to confirm no sensitive data is exposed.

### The Quick Link Fix

A marketing team constantly needs access to the master brand guidelines. Instead of navigating three folders deep, they ask their agent to use `create_shortcut` and drop a direct link into the main 'Brand Assets' folder.

### The Project Handover

A project lead needs to archive old materials. Instead of manually zipping up 50 subfolders, they ask the agent to use `move_file_to_folder` and `create_folder` to move every file from 'Project Alpha' into a new 'Archived Q1 2024' folder.

### The New Department Setup

An operations manager needs to set up a new departmental workspace. They tell the agent to first run `list_shared_drives` to find available space, then use `create_folder` multiple times to build out the required sub-structure.

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# Patterns to Avoid

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## Copying files when you should link them

### X AVOID

When a team needs access to a master pricing sheet, they copy it into five different project folders. This creates redundant versions (e.g., 'Pricing v1' vs 'Pricing final') and wastes storage.

### ✓ INSTEAD

Use ``create_shortcut`` to drop a single link to the original document in every folder that needs access. This guarantees everyone sees the latest version.

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## Manually checking permissions

### X AVOID

An admin has to open a massive Shared Drive, click into folders one by one, and check who can edit or view certain files.

### ✓ INSTEAD

Tell your agent to ``add_folder_permission`` or use ``remove_folder_permission`` for an entire group across multiple locations. It handles the bulk changes faster.

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## Forgetting what's in a drive

### X AVOID

A user is sent into a huge 'Marketing Assets' Shared Drive and has no idea where to start looking for images or PDFs.

### ✓ INSTEAD

First, run ``search_folders`` to pinpoint the correct directory. Then use ``list_folder_contents`` to see exactly what's inside before getting lost in subfolders.

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## The Right Fit

Use this MCP if your pain point is organizational structure and access control within Google Drive. You need to manage who can do what, or you need to reorganize thousands of files without touching them. If the task involves simply reading data, like checking a specific document's content, stick to direct search tools instead. Don't use this MCP if your primary goal is collaborating on real-time text documents; that requires dedicated editor tools. You should use this connector whenever you need an agent to act as a digital administrator for the drive itself.

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## The problem isn't finding files, it's managing where they live.

Think about the sheer volume of corporate knowledge today. Every department creates folders, and those folders contain hundreds of subfolders. A single project might require five different owners, each with a slightly different view of 'final.' You end up with orphaned versions, duplicated assets, and a nightmare of permission settings.

With this MCP, you tell your agent exactly what structure you need. It can build out the necessary folder paths or move entire departments' worth of work into an archive in minutes. The result is a clean, logical drive where every file has a clear 'home.'

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## Manage Folder Structure with Google Drive: Folders & Shared Drives MCP

You no longer have to click through five layers of folders and then open the security tab just to change a single user's access. You simply direct your agent to handle it.

Your AI client now acts as an organizational layer between you and Google Drive, turning complex administrative clicks into simple conversation.

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# Google Drive: Folders & Shared Drives (12 Tools)

These tools allow you to programmatically manage the structure of your entire Google Drive, including creating folders, setting permissions, and moving files.

#	TOOL	DESCRIPTION
01	<code>add_folder_permission</code>	Grants specific users or groups access to a designated folder.
02	<code>create_folder</code>	Establishes a new, empty folder in your desired location.
03	<code>create_shortcut</code>	Makes a visible quick link to an existing file or folder without moving the original data.
04	<code>get_drive_about</code>	Retrieves current quota and total storage consumption metrics for your Google Drive account.
05	<code>get_folder_metadata</code>	Fetches detailed information, such as the creator or last modified date, for a specific folder.
06	<code>list_folder_contents</code>	Displays all files and subfolders contained within a specified directory.
07	<code>list_shared_drives</code>	Provides a list of all collaborative Shared Drives you have access to.
08	<code>list_shortcuts</code>	Shows every existing shortcut link within a particular folder.
09	<code>list_team_drives</code>	Lists any legacy Team Drives that still exist in your account structure.
10	<code>move_file_to_folder</code>	Relocates a specified file or folder from its current spot to a new parent location.
11	<code>remove_folder_permission</code>	Revokes access rights for a specific user or group on a targeted folder.
12	<code>search_folders</code>	Finds folders by matching names across your entire Google Drive account.

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## See It in Action

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

**U** List all subfolders inside the 'Marketing 2024' folder.



Inspecting folder hierarchy... Inside 'Marketing 2024', I found 5 subfolders: 'Q1\_Campaigns', 'Q2\_Strategy', 'Brand\_Assets', 'Social\_Media\_Backlog', and 'Archives'. Would you like the contents of 'Brand\_Assets'?

**U** Move the file 'Final\_Report.pdf' to the 'Approved\_Exports' folder.



Moving file... I've successfully transferred 'Final\_Report.pdf' (ID: 839201) to the 'Approved\_Exports' folder (ID: 93021). The file is no longer in its previous location.

**U** Create a shortcut to 'Price\_List\_Global' in the 'Sales\_Team\_Quick\_Access' folder.



Creating shortcut... Success! I've created a shortcut named 'Link to Price List' in the 'Sales\_Team\_Quick\_Access' folder, pointing to the original 'Price\_List\_Global' document.

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## Frequently Asked Questions

**01** How do I use the Google Drive: Folders & Shared Drives MCP to find a specific folder?

You run `search\_folders` by name. This tool finds folders across your entire drive, so you don't have to manually browse every department's directory.

**02** Can the Google Drive: Folders & Shared Drives MCP delete files?

The available tools focus on organization and permissions, such as `move\_file\_to\_folder` or `remove\_folder\_permission`. It doesn't offer a general delete function.

**03 What is the difference between 'moving' and 'creating a shortcut'?**

Moving physically changes the file's location, which can break links. Creating a shortcut simply builds a pointer to the original file, keeping it safe even if its parent folder moves.

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**04 Can I check storage limits using the Google Drive: Folders & Shared Drives MCP?**

Yes. You use the ``get_drive_about`` tool to retrieve high-level quota and total storage information, helping you plan for capacity needs.

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**05 Does this MCP help me manage multiple shared drives?**

Absolutely. The agent can list all accessible Shared Drives using ``list_shared_drives`` so you know exactly what collaborative workspaces exist in your organization.







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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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
 <b>Claude AI</b>	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 <b>Cursor</b>	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 <b>VS Code</b>	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"google-drive-folders-shared-drives": { "url": "..." }</code>
 <b>Windsurf</b>	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 <b>ChatGPT</b>	Settings → Tools & plugins → Add MCP server → Paste endpoint
 <b>Gemini</b>	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

# Google Drive: Folders & Shared Drives 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](https://cloud.vinkius.com) →

[vinkius.com](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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### DOCUMENT INFORMATION

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