MCP SERVER | NO CODE | CLOUD HOSTED

Google Sheets MCP

Treat Spreadsheets Like a Chat Conversation

Google Sheets connects your AI agent directly to Google Sheets. It lets you treat spreadsheet data like a chat conversation—you ask it to pull KPIs from specific ranges, append new client leads, or reorganize entire tabs without ever opening the actual program. This MCP handles everything from reading multiple data sets at once to creating entirely new spreadsheets on demand.

A+ Quality Score 100/100

spreadsheet | data-entry | row-manipulation | csv-export | data-sync | automation

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vinkius.com/mcp/google-sheets

SCAN TO VIEW

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

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.

Google Sheets MCP

10 tools available
Cloud-hosted on Vinkius

Your AI agent can now read and write data directly into Google Sheets using natural language commands. You don't need to remember formulas or manually copy ranges anymore; you just tell your client what you want done, and it handles the spreadsheet logic for you. Need project updates logged? Tell it to append a row with today's task status and assignees. Want to analyze sales data across three different tabs? Your agent can fetch multiple non-contiguous ranges instantly so you get all the numbers in one go. It even manages the sheet structure, letting you create new spreadsheets or add whole tabs just by talking to it. This integration is available through Vinkius, giving your AI client access to this powerful tool alongside thousands of others.

Core Capabilities

01 — Extracting specific data ranges

You can read values from precise areas like 'Sheet1!A1:D10' or gather multiple separate ranges for immediate analysis.

02 — Adding and modifying rows

The agent will append a new row of data to an existing table, or overwrite specific cells with updated values.

03 — Managing sheet structure

You can create brand-new spreadsheets, add entirely new tabs to existing files, and even delete unwanted sheets.

04 — Batch data retrieval

Fetch values from multiple, varied ranges simultaneously, perfect for combining metrics from different sources.

05 — Applying structural updates

Execute batch requests to programmatically change the formatting or underlying structure of a spreadsheet section.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/google-sheets** — connect your AI agent in three steps.

01 First, subscribe to this MCP and enter your Google OAuth Client ID and Secret.

02 Next, complete the secure Google authorization flow to link your account credentials.

03 After setup, you can start giving conversational commands to your AI client to manipulate data.

The bottom line is that your agent translates plain English requests into structured API calls against your Google Sheets account.

Built For

Anyone who spends too much time cross-referencing numbers, writing complex formulas in spreadsheets, or manually logging data into trackers. This is for the financial analyst staring at a dashboard at 2 AM and wishing they could just *talk* to their data.

Financial Analyst

Pulls specific Key Performance Indicators (KPIs) from massive, multi-tab financial models without ever having to open the spreadsheet editor.

Project Manager

Logs team updates or extracts project timelines by telling the agent where and what data needs to be added to a shared tracker.

Marketing Coordinator

Adds new leads, campaign metrics, or quarterly results to tracking sheets using simple conversational commands.

What Changes When You Connect

01 Stop writing boilerplate formulas. Use the agent to calculate and update data directly, specifying ranges like 'Sheet1!A1:D10' without needing complex syntax.

02 Log new entries instantly with `append_sheet_values`. Simply tell your client, 'Add Mike T to the Q3 Leads sheet,' and it handles the row creation.

03 Need quick data insights? Use `batch_get_values` to pull metrics from five different tabs at once, giving you a consolidated view without manual copy-pasting.

04 Managing files is easy. If you need a new tracker, use `create_spreadsheet`. Need a fresh section? Command the agent to execute `add_sheet` and it'll appear in your workbook.

05 Updating existing records is precise. You can target specific cells using `update_sheet_values`, ensuring only the required data gets modified while leaving everything else untouched.

Real-World Applications

Quarterly Financial Review

A financial analyst needs to pull Q1 sales figures from three different regional sheets. Instead of running `get_sheet_values` multiple times, they ask the agent via their client to use `batch_get_values` across all three required ranges. The result is a single, combined report summary.

Onboarding New Clients

A marketing coordinator receives 20 new leads and needs them added to the master tracking sheet. They instruct the agent to use `append_sheet_values` repeatedly with the lead data, ensuring all columns are populated in bulk.

Project Status Cleanup

A project manager finds an old tracker full of irrelevant notes and needs a clean slate. The agent uses `clear_sheet_values` on the 'Notes' tab to wipe out all data, leaving only the headers intact for re-use.

Structural Data Audit

A team lead realizes they need a completely new project area. They ask their agent to use `create_spreadsheet` and name it 'Project X Tracker', instantly generating the necessary file in their drive.

Patterns to Avoid

Trying to manually cross-reference data

✗ AVOID

Opening five different tabs, copying ranges like A1:D10 from each one, and pasting them into a sixth master sheet. This is slow and error-prone.

✓ INSTEAD

Use the MCP's `batch_get_values` tool. Give your agent a list of all required ranges, and it pulls everything in one go, eliminating manual copying.

Writing complex formulas for data merges

✗ AVOID

Spending an hour writing nested VLOOKUPs or INDEX/MATCH formulas to combine two separate sheets' data fields.

✓ INSTEAD

Instead of formula hell, ask the agent to read both sets of values using `get_sheet_values` and then structure the resulting data in a consolidated format.

Forgetting which sheet has the right data

✗ AVOID

Wasting time searching through dozens of sheets when you only needed the status from 'Q2 Performance'.

✓ INSTEAD

Use `get_spreadsheet` first to list all available tabs, confirming the exact name and location before asking the agent to read values.

The Right Fit

Use this MCP if your workflow requires manipulating structured data—reading specific cells, appending records, or managing the physical structure of a spreadsheet. This is for people who think in terms of ranges (A1:D10) and tables. Don't use it if you just need simple text generation, like drafting an email; use a dedicated messaging MCP instead. Also, don't try to run complex mathematical models that require custom scripting logic—this MCP handles I/O, not deep computation. If your goal is to build a dynamic dashboard visualization from scratch, consider using a general data warehousing tool or a BI platform MCP.

The Spreadsheet Data Drag

Right now, pulling combined metrics feels like an archaeological dig. You open the master file, navigate to the 'Marketing' tab, copy the Q3 numbers; then you jump over to 'Sales,' repeat the process for their numbers. Finally, you have to manually paste and format everything into a single summary sheet, praying you don't miss a column or accidentally overwrite something.

With this MCP, that whole painful dance is gone. Your agent acts as your research assistant, taking natural language commands like 'Get Q3 sales data from the Marketing tab and compare it to the Sales tab.' You get the clean, compiled result without ever lifting a finger beyond typing the prompt.

Google Sheets MCP: Data Entry and Structure Control

The tedious parts that vanish are the manual sheet creation steps. You no longer have to click 'Insert Sheet' and name it manually; you just ask the agent to `add_sheet`. Similarly, instead of using copy/paste for new records, telling the agent to use `append_sheet_values` completes the task in a single step.

The difference is control. You move from being a data custodian—someone who has to remember where everything lives—to being a director. You simply tell your AI client what structure you need, and it builds or modifies the underlying Google Sheet for you.

Google Sheets MCP with 10 Tools

These ten tools let your agent interact with the data layer of Google Sheets, giving you control over every aspect from reading specific cells to managing entire workbook structures.

#	TOOL	DESCRIPTION
01	`update_sheet_values`	Changes the content of values within a specified range on any sheet.
02	`delete_sheet`	Removes an entire tab or sheet from your Google Spreadsheet file.
03	`get_sheet_values`	Reads and returns the content of values from a specific, targeted range on a sheet.
04	`get_spreadsheet`	Retrieves basic metadata about the entire spreadsheet file, including all sheets it contains.
05	`add_sheet`	Creates and adds a completely new, blank tab to your existing workbook.
06	`append_sheet_values`	Adds an entirely new row of data to the bottom of an existing table structure.
07	`batch_get_values`	Reads values from multiple, distinct ranges within one request for comprehensive data analysis.
08	`batch_update_spreadsheet`	Applies bulk updates to the formatting or overall structure of a spreadsheet section.
09	`clear_sheet_values`	Empties all values from a specific, designated range without deleting the sheet itself.
10	`create_spreadsheet`	Generates and creates an entirely new Google Spreadsheet file in your drive.

See It in Action

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

U Read the data in range A1:C10 from spreadsheet ID '1abcxyz'.

Fetching data... Here are the values from A1:C10:
- [Name | Department | Q1 Sales]
- [John Doe | Marketing | $45,000]
- [Jane Smith | Sales | $82,000]...

U Append a new row to the 'Q1 Sales' sheet with the values: 'Mike T', 'Engineering', '$12,000'.

Appending data... Success! I've appended the row ['Mike T', 'Engineering', '$12,000'] to the next available line.

U Create a new sheet called 'Finances 2026' and populate the headers.

Tab successfully instantiated in spreadsheet ID '1abcxyz'. The empty array logic has been set.

Frequently Asked Questions

01 **How do I read specific data ranges using the Google Sheets MCP?**

You use `get_sheet_values` to target exact areas. You just tell your agent, 'Read values from Sheet2!B5:F10,' and it pulls that precise block of data for you.

02 **Can I update multiple cells at once with Google Sheets MCP?**

Yes, if you need to change a few scattered pieces of information across different spots, use `update_sheet_values` and specify all the ranges in your command.

03 **Does Google Sheets MCP let me create new spreadsheets?**

Absolutely. Use the `create_spreadsheet` tool to instantly generate a brand-new, blank sheet file directly into your connected Google Drive space.

04 **What if I need data from multiple tabs? Is it possible with this MCP?**

Yes. The `batch_get_values` tool is built for this; you can request values from several non-contiguous ranges in one single API call.

05 **How do I add a whole new tab to an existing workbook using Google Sheets MCP?**

You use the `add_sheet` tool. Just ask your agent to create a new sheet and give it the name you want, and the tab will appear instantly.

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 `"google-sheets": { "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

Google Sheets 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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