MCP SERVER | NO CODE | CLOUD HOSTED

Mode Analytics MCP

Manage data, reports, and queries from your chat window.

Mode Analytics connects your AI agent directly to your data workspace. List spaces, retrieve report metadata, audit underlying SQL queries, and trigger fresh report runs using nothing but natural conversation.

A+ Quality Score 98.33/100

sql-analytics | data-visualization | collaborative-data | python-notebooks | data-science | report-automation

MAINTAINED BY VINKIUS CLOUD FOR AI AGENTS · JUNE 2026
vinkius.com/mcp/mode-analytics

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.

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.

Mode Analytics MCP

10 tools available
Cloud-hosted on Vinkius

This MCP gives your AI client full access to the logic behind your business intelligence reports. Instead of logging into Mode Analytics and navigating through menus, you talk to your agent, and it handles the data retrieval process for you. You can ask for a list of all available spaces or find out which metrics are defined by checking calculated field definitions. If a campaign needs updated figures, you simply trigger a new report run without ever touching the web interface. When working with complex enterprise data—the kind that lives in systems like this—connecting through Vinkius makes sure your agent can talk to dozens of services at once. It lets you maintain full control over your data science workflows right from your chat window.

Core Capabilities

01 — Discovering Data Assets

List all available spaces, members, and reports across the entire analytical workspace.

02 — Auditing Report Logic

View the underlying SQL code or check calculated field definitions to understand exactly how a metric is derived.

03 — Executing Data Jobs

Trigger new report runs for specific reports, passing in custom parameters when needed.

One Click on Vinkius — From Prompt to Execution

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

01 First, you subscribe to this MCP via Vinkius and provide your Mode API Token, API Secret, and workspace slug.

02 Next, you prompt your AI agent with a question—for example, 'List all reports in the Marketing space' or 'Run the campaign ROI report'.

03 Finally, your agent uses the tools to talk directly to Mode Analytics, retrieves the required data or status, and gives you a clear answer.

The bottom line is that your AI client becomes an immediate command line for your entire data intelligence stack.

Built For

This MCP is essential for the data analyst who gets frustrated clicking through five different dashboards just to check a single metric. It's also for the BI manager needing full visibility into workspace usage and report governance without leaving their main workflow.

Data Analyst

Using this MCP, they can audit complex SQL queries or list calculated field definitions instantly to confirm data lineage before presenting results.

Business Intelligence Manager

They monitor workspace activity and use the tools to check report run statuses across multiple teams during a planning phase.

Growth Marketing Specialist

They trigger updated data runs for specific campaigns directly from their chat interface when campaign metrics change, saving hours of manual dashboard navigation.

What Changes When You Connect

01 Stop context switching. Instead of jumping between a BI dashboard and a code editor to check status, you ask your agent directly: 'What's the status of the Campaign ROI report run?'

02 Audit data logic instantly. You can use the `list_mode_queries` tool to see the exact SQL statement powering any metric, eliminating guesswork about where the numbers come from.

03 Automate updates without manual clicks. When a campaign shifts strategy, you don't manually re-run dashboards; your agent calls `run_mode_report` and gets confirmation when it's finished.

04 Maintain governance visibility. Use `list_mode_spaces` or `list_mode_members` to quickly map out who owns which segment of the data without navigating internal organizational charts.

05 Understand every metric. The `list_mode_definitions` tool shows you all calculated fields, ensuring everyone uses the exact same formula for key KPIs.

Real-World Applications

Needing to verify a KPI's source data

A junior analyst spots a questionable number on a dashboard. Instead of emailing the BI team, they ask their agent, 'Show me the SQL query for the Monthly Web Traffic report.' The agent uses `list_mode_queries` and instantly provides the underlying SELECT statement, allowing them to verify data lineage immediately.

Running a time-sensitive campaign check

The Growth Team launches a new ad set at 3 PM. They ask their agent, 'Run the Leads by Channel report now.' The agent uses `run_mode_report`, and they receive an immediate status update, allowing them to monitor performance without waiting for a manual dashboard refresh.

Mapping out data ownership in a new department

A BI Manager needs to see who has access to the Sales space. They prompt their agent, 'Who are the members of the Marketing Analytics workspace?' The agent uses `list_mode_members` and returns an accurate list of authorized users.

Checking if a report run completed overnight

The team wakes up to check yesterday's reports. Instead of logging in, they ask their agent about the run status. The agent uses `list_mode_report_runs` and provides details for the specific report execution.

Patterns to Avoid

Asking vague data questions

✗ AVOID

Prompting the agent: 'What's wrong with our revenue numbers?' This is too ambiguous; the system doesn't know which metric or space you mean.

✓ INSTEAD

Be specific and use the tools. First, list the available reports using `list_mode_reports`. Then, ask the agent to check the underlying SQL for that report using `list_mode_queries`.

Trying to debug manually

✗ AVOID

Copying a metric name and pasting it into a search bar only to find out if it's even defined in your workspace.

✓ INSTEAD

Use the `list_mode_definitions` tool. This instantly shows you if the calculated field exists and what its precise definition is, saving manual cross-referencing.

Ignoring required parameters

✗ AVOID

Attempting to run a report without telling the agent which specific campaign or date range to use.

✓ INSTEAD

When you know the report name, always follow up by asking the agent to check its requirements. Then, use `run_mode_report` with all necessary custom parameters.

The Right Fit

Use this MCP if your workflow involves deep interaction with a live BI environment. Specifically, if you routinely need to audit SQL logic, trigger scheduled data refresh cycles on demand, or check the status of complex, multi-step reports across different workspaces (spaces). You should use it when 'seeing' the raw code or running the job is part of your normal process.

Don't use this MCP if all you need is to view a static dashboard chart. If you just need basic data retrieval that could be handled by a simple API call (like getting a user list), an alternative, simpler connector might suffice. Only use this when the *process* of checking data—the querying and execution—is the critical step.

The Hidden Cost of Context Switching

Today, figuring out why a number looks weird is a tedious dance. You open your primary dashboard, notice the metric 'Customer LTV' is off. Next, you have to switch tabs and manually find the report definition page. Then, you might click through three different menus just to find the underlying SQL query, hoping that's what the BI team meant.

With this MCP, all of that manual clicking disappears. You simply tell your agent, 'Why is Customer LTV off?' Your agent uses `list_mode_queries` behind the scenes and delivers the exact code snippet you need to check, without you ever leaving your chat window.

Getting Instant Data Status with Mode Analytics MCP

Manually checking data status means opening a dashboard, clicking on the report name, and then looking for a 'Run History' tab. If you need to know if yesterday's overnight jobs finished, you have to remember which specific run token or ID was used.

Now, just ask your agent about the report run status. It uses `get_mode_report_run` and tells you immediately if it succeeded, failed, or is still queued up. You get the answer instantly, every time.

Mode Analytics MCP: 10 Tools for Data Management

These tools let you manage every aspect of your Mode Analytics workspace—from listing all available spaces to triggering complex report calculations.

#	TOOL	DESCRIPTION
01	`run_mode_report`	Starts a new calculation run for a specified report.
02	`get_mode_account`	Retrieves basic authenticated account details for verification purposes.
03	`get_mode_report_run`	Gets the detailed status and history of a specific report execution.
04	`get_mode_report`	Fetches general metadata for a particular report.
05	`list_mode_definitions`	Lists all defined calculated fields used across the workspace metrics.
06	`list_mode_members`	Retrieves a list of all users who belong to the Mode Analytics workspace.
07	`list_mode_queries`	Shows the raw underlying SQL query used within a report.
08	`list_mode_report_runs`	Lists all historical runs for a single given report.
09	`list_mode_reports`	Displays a list of reports available within a specific space.
10	`list_mode_spaces`	Lists all separate analytical workspaces (spaces) in the account.

See It in Action

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

U List all reports in the 'Marketing Analytics' space.

I've retrieved 8 reports from the 'Marketing Analytics' space, including 'Campaign ROI', 'Leads by Channel', and 'Monthly Web Traffic'.

U Run the report with token 'rep_12345' and check its latest status.

Report run has been triggered. Status is currently 'enqueued'. I'll check back in a moment to see if it has completed.

U Show me the SQL query used in the 'Churn Analysis' report.

I've fetched the queries for that report. It uses a SELECT statement from the 'events' table joined with 'subscriptions' to calculate monthly churn rates.

Frequently Asked Questions

01 **How does Mode Analytics MCP list available workspaces?**

You can use the `list_mode_spaces` tool to see all distinct spaces in your account. This lets you quickly identify which area of data belongs to which business unit.

02 **Can I check what SQL query a report uses with Mode Analytics MCP?**

Yes, use the `list_mode_queries` tool. It retrieves the raw underlying SELECT statement for any given report, letting you audit data logic immediately.

03 **Is running reports via Mode Analytics MCP different from manual runs?**

No. The agent uses the `run_mode_report` tool to trigger an exact replica of a manual run. It handles passing all necessary custom parameters so your report executes precisely as expected.

04 **What if I need to know who has access to my data in Mode Analytics?**

You can use `list_mode_members` to get a complete list of every user currently associated with the workspace, helping you manage permissions efficiently.

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 `"mode-analytics": { "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

Mode Analytics 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

Generated	June 2026
MCP Server	Mode Analytics MCP
Server ID	`019d75d6-dacc-720d-a083-f8c5fe6b1aae`
Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

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