

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

Mobile Data Usage Forecast MCP

Predict your data needs and avoid unexpected overage costs.

Mobile Data Usage Forecast MCP gives your AI client the ability to track mobile data consumption and predict future usage. It analyzes your historical patterns to estimate how much data you will need by the end of your billing cycle, monitors your remaining allowance, and calculates potential overage fees before they happen.

A+ Quality Score 100/100

mobile

data

forecast

billing

usage



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.

Mobile Data Usage Forecast MCP

4 tools available

Cloud-hosted on Vinkius

You can stop guessing how much data you have left in your monthly plan. This MCP connects your AI client to your mobile usage data so it can act as a proactive data manager. Instead of manually checking spreadsheets or carrier apps, you can ask your agent to run a projection based on your current consumption speed. It handles the math for rollover data and remaining allowances, giving you a clear picture of your standing. If you are worried about hitting a limit, your agent can check your threshold status to see exactly how much breathing room you have left. It also helps you verify that your usage records align with your specific billing periods, ensuring your data analysis stays accurate. Whether you are managing a single line or looking at patterns across a fleet, this tool turns raw usage numbers into actionable forecasts.

Core Capabilities

01 — Usage Projections

Your agent uses historical data to estimate end-of-cycle totals.

02 — Limit Monitoring

The AI checks your proximity to data caps to prevent overages.

03 — Resource Summaries

Your client gets a clear view of consumed and remaining data.

04 — Billing Validation

The tool verifies that usage data matches your specific billing window.

05 — Cost Estimation

Your agent calculates potential overage fees based on projected usage.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/mobile-data-usage-forecast — connect your AI agent in three steps.

- 01 Connect your AI client to the Vinkius platform.
- 02 Grant the MCP access to your mobile usage data.
- 03 Ask your agent to run a usage projection or check your current status.
- 04 Receive immediate answers about your data limits and costs.

Get your mobile data insights running in minutes by connecting your preferred AI client to the Vinkius hosted MCP.

Built For

This MCP is built for anyone managing mobile data plans who needs to prevent unexpected billing spikes.

IT Managers

They hand off fleet data monitoring to an agent to track employee device usage.

Personal Finance Users

They use the agent to keep mobile bills predictable and within budget.

Data Analysts

They use the tool to validate that usage records align with billing cycles.

What Changes When You Connect

- 01 Predicts end-of-cycle totals to prevent overage charges.
- 02 Tracks rollover data to give an accurate view of available resources.
- 03 Monitors thresholds to alert you before you hit a data cap.

04 Validates usage timeframes to ensure data accuracy.

Real-World Applications

Overage Prevention

Your agent identifies if your current usage speed will lead to a data cap violation before it happens.

Budget Planning

You use projections to estimate what your next mobile bill will look like.

Data Auditing

The tool verifies that usage records are logically mapped to your billing periods.

Resource Management

You check your remaining allowance and rollover data to decide if you can afford more usage.

Patterns to Avoid

Manual Spreadsheet Tracking

❌ AVOID

You spend an hour every Friday manually typing usage numbers from your carrier app into an Excel sheet to see if you're over budget.

✓ INSTEAD

Let your agent handle the math. Use ``get_usage_summary`` to get an instant snapshot of your current consumption and remaining data.

Reactive Overage Management

❌ AVOID

You wait until you receive a massive bill to realize you exceeded your data cap halfway through the month.

✓ INSTEAD

Stay ahead of the bill by using ``forecast_usage_projection`` to predict your end-of-cycle totals and costs before they happen.

Ignoring Data Thresholds

❌ AVOID

You assume you have plenty of data left because you haven't received a warning text from your provider yet.

✓ INSTEAD

Check your actual proximity to the limit using ``get_overage_threshold_status`` to see exactly how much breathing room you have.

The Right Fit

Connect this MCP if you manage mobile fleets or personal plans where unexpected overage fees are a concern. Do not connect it if your data plans have unlimited usage with no overage penalties. The decision rests on whether you need to predict future costs based on current consumption speeds.



Mobile Data Usage Forecast MCP Tools

These tools give your agent the ability to project consumption, monitor limits, and validate billing cycles.

#	TOOL	DESCRIPTION
01	forecast_usage_projection	This tool predicts your total data consumption by the end of the current cycle and estimates the resulting costs.
02	get_overage_threshold_status	This tool checks how close you are to hitting your data limit.
03	get_usage_summary	This tool provides a quick snapshot of your current data consumption and remaining resources.
04	validate_billing_period	This tool confirms that your usage records fall within the correct timeframe for your billing cycle.

See It in Action

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

U Based on my usage of 5GB over the last 5 days, how much data will I use by the end of a 20GB cycle ending on 2024-12-31?



You are expected to use a total of 20GB by the end of the cycle, meaning you will likely hit your limit exactly.

U Am I close to my data limit? I have used 17GB out of a 20GB allowance.



Yes, you have used 85% of your allowance and are approaching your limit.

U What is my current usage summary for a 10GB plan with 2GB rollover and 4GB already consumed?



You have consumed 4GB out of a total available 12GB, leaving 8GB remaining.

Frequently Asked Questions

01 How does this MCP predict my data usage?

It analyzes your historical consumption patterns to project how much data you will use by the end of your current billing cycle.

02 Can I use this with Claude or Cursor?

Yes, you can connect this MCP to any MCP-compatible client including Claude, Cursor, and Windsurf.

03 Does it account for rollover data?

Yes, the tool can track remaining plan allowances including any rollover data you have available.

04 Will it help me avoid overage fees?

Yes, by using the projection and threshold tools, your agent can warn you before you hit your limit.

05 Do I need to host the MCP myself?

No, Vinkius hosts and manages the MCP for you, so it is ready to use immediately after connection.

06 How does the tool predict future usage?

The tool calculates a daily usage rate based on your provided historical usage records and projects that rate forward until the end of your billing cycle.

07 Can I include rollover data in my calculations?

Yes, you can include rollover data from previous cycles to ensure your total available allowance is accurate.

08 How is overage cost calculated?

Overage cost is determined by multiplying the projected amount of data exceeding your allowance by the specified overage price per unit.

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>"mobile-data-usage-forecast": { "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

Mobile Data Usage Forecast 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

INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by Mobile Data Usage Forecast. All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

DOCUMENT INFORMATION

Generated	October 2026
MCP Server	Mobile Data Usage Forecast MCP
Server ID	01a0eee2-6cb1-72a1-82b3-56b68e1a3e90
Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit vinkius.com/en/ai-agent-connect/mobile-data-usage-forecast.