

MCP SERVER

NO CODE

CLOUD HOSTED

Vonage MCP

Manage communications and audit account data via AI.

The Vonage MCP lets your AI agent manage all aspects of your cloud communications directly from conversation. Send SMS messages, check account balances instantly, and audit past conversations without logging into a separate dashboard. Use it to search for available phone numbers globally or track voice call history—all hands-free.

A+ Quality Score 100/100

cloud-communications

messaging-api

voice-api

telecom-infrastructure

account-management



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.

Vonage MCP

10 tools available

Cloud-hosted on Vinkius

Managing a global communication system is usually a mess of dashboards, API calls, and toggling between different provider portals. This MCP changes that. It gives your AI agent the power to handle every Vonage task through natural language conversation. You'll never need to manually check if you have enough funds or spend time sifting through old logs again. Your agent can instantly tell you your current account balance, send a confirmation text, and even search for new phone numbers in a specific country—all without you ever touching the Vonage website itself. Because this MCP is hosted on Vinkius, you just connect it once from any compatible client like Claude or Cursor, and your entire communication infrastructure is suddenly accessible via conversation. This makes reliable, data-driven messaging a simple chat query.

Core Capabilities

01 — Send text messages

You can instruct your agent to send an SMS message immediately.

03 — Audit communication history

You can list past text conversations, recent voice calls, or all phone numbers linked to your profile for review.

02 — Check account financial status

The MCP retrieves the current Vonage account balance and details about associated secrets.

04 — Search for new numbers

The agent searches and lists available mobile or fixed phone numbers in specific countries, helping you expand coverage.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/vonage-alternative — connect your AI agent in three steps.

- 01 Subscribe to this MCP on Vinkius and provide your Vonage API Key and Secret.
- 02 Your AI client accesses the credentials via Vinkius and connects it to your conversational workflow.
- 03 You simply ask your agent a question, like 'What's my balance?' or 'Send an SMS to 123...!', and the MCP executes the action.

The bottom line is that you treat complex telecom management as simple conversation, getting actionable data back instantly.

Built For

This is for operations managers who dread logging into multiple portals just to check a balance or send an alert. It's for customer success teams who need immediate audit trails without manual dashboard digging, and developers needing rapid testing of messaging pipelines.

Operations Manager

Sends quick SMS alerts or queries the account balance to monitor communication spend in real time.

Customer Success Representative

Verifies message delivery status and reviews full conversation threads without ever leaving the chat interface.

Software Developer

Performs rapid audits of application configurations, listing phone numbers or testing messaging pipelines through natural language prompts.

What Changes When You Connect

- 01 Send texts instantly. You can use the `send_sms` tool to send a message directly from your workflow, eliminating the need to open the Vonage messaging dashboard.

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- 02** Know your costs immediately. Check service pricing for any country using `get_pricing`, allowing you to factor communication expenses into planning without manual lookups.
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- 03** Audit everything at once. Use `list_conversations` or `list_voice_calls` to pull detailed records of past activity, making compliance checks immediate and effortless.
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- 04** Never lose a number. The MCP lets you `list_phone_numbers`, giving you an instant inventory check on all numbers tied to your account for quick verification.
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- 05** Expand reach painlessly. Need new coverage? Use the `list_search_numbers` tool to find available phone lines in target countries, greatly speeding up expansion planning.
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Real-World Applications

The emergency alert system needs a status check.

An operations manager asks their agent: 'What is our current Vonage account balance?' The agent uses `get_balance` to respond immediately, confirming they have enough funds for the planned alerts without requiring the manager to log into the financial portal.

Launching into a new market.

A business owner asks: 'Find me five available mobile numbers in Canada.' The agent uses `list_search_numbers` to return several options and their metadata, allowing the business owner to select numbers for expansion without manual research.

A customer needs a service verification.

A support rep asks: 'Did we send that password reset text yesterday?' The agent uses `list_conversations` and `list_phone_numbers` to pull up both the conversation thread and confirmation of which number was used, resolving the issue instantly.

Post-incident review of a call.

A QA specialist asks: 'Show me all calls made last week.' The agent uses `list_voice_calls` and `list_users` to provide a comprehensive audit trail, speeding up the root cause analysis process.

Patterns to Avoid

Copy-pasting from dashboards

✗ AVOID

A developer manually logs into the Vonage portal, navigates through three different tabs to find a list of numbers, then copies and pastes them into a spreadsheet for review.

✓ INSTEAD

Instead, ask your agent to ``list_phone_numbers``. The MCP pulls this data directly and provides it in a clean, conversational format that you can use immediately.

Ignoring pricing details

✗ AVOID

A manager estimates communication costs based on general knowledge, only to discover they are paying significantly more than expected for international texts.

✓ INSTEAD

Before launching a campaign, ask the agent to ``get_pricing`` for target countries. This gives you accurate cost data upfront.

Manual secret retrieval

✗ AVOID

A developer needs to confirm which API secrets are active and risks using outdated or incorrect credentials.

✓ INSTEAD

Ask the agent to ``list_account_secrets`` to see a clear, up-to-date list of all necessary security keys.

The Right Fit

Use this MCP if your workflow requires frequent, conversational access to Vonage's core functions—specifically sending texts, checking balances, or auditing communication logs. It's ideal for automating routine operational checks. Don't use it if you only need to build a complex custom integration that requires writing low-level API calls in code; those scenarios might be better handled by dedicated scripting tools. However, if your goal is simply to manage an account balance (`get_balance`) or list available numbers (`list_search_numbers`), this MCP provides the conversational layer you need without any boilerplate setup.

Tired of jumping between tabs just to check a simple number?

Right now, checking your communication status means logging into the Vonage dashboard. You click 'Numbers,' then click 'List.' Then you might have to open another tab to confirm if your API keys are still valid or how much money you actually have left in your account. It's slow, and it forces you to manage three different pieces of information just to answer one question.

With this MCP, the agent does the heavy lifting. You simply ask, 'What's my phone number inventory?' The system uses `list_phone_numbers` and gives you a complete, organized list instantly. It turns a multi-step dashboard chore into a single chat query.

Get full control over your Vonage account with the Vonage MCP

You eliminate manually checking balances by using `get_balance`, and you stop having to search through old emails or spreadsheets for conversation history. The agent handles all that auditing work.

Now, managing your entire communication stack is as easy as talking to an intelligent teammate. It's reliable, real-time data delivery, period.

Vonage MCP: 10 Tools for Communications Management

These tools let you manage every aspect of your Vonage communications stack—from sending texts to auditing account secrets—all through natural language.

#	TOOL	DESCRIPTION
01	<code>get_balance</code>	Retrieves the current financial balance for your Vonage account.
02	<code>get_pricing</code>	Looks up the cost of messaging and voice services for a specific country.
03	<code>list_account_secrets</code>	Displays necessary administrative account secrets for your Vonage setup.
04	<code>list_applications</code>	Shows all active applications configured within your Vonage environment.
05	<code>list_conversations</code>	Retrieves a list of your recent text message conversations for auditing purposes.
06	<code>list_phone_numbers</code>	Lists all active and associated phone numbers registered to your Vonage profile.
07	<code>list_search_numbers</code>	Searches for and lists available, unused phone numbers based on country criteria.
08	<code>list_users</code>	Retrieves a list of all user accounts configured under the Vonage system.
09	<code>list_voice_calls</code>	Provides a history and detailed list of your recent voice calls.
10	<code>send_sms</code>	Executes sending an SMS message to a specified recipient number.

See It in Action

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

U List all my Vonage phone numbers.



I've retrieved your phone numbers. You have 2 active numbers: '1234567890' and '0987654321'. Both are currently active and ready for use.

U Check my Vonage account balance.



I've retrieved your balance. You currently have €15.42 available in your account. I can also check the pricing for your next message if you like.

U Search for available mobile numbers in the UK.



I've found 5 available mobile numbers in the UK (GB). Examples include '447700900123' and '447700900456'. Would you like the full metadata for any of them?

Frequently Asked Questions

01 How do I send a text message using the Vonage MCP?

You use the `send_sms` tool by simply telling your agent who you want to send the text to. You provide the recipient number and the message body in one prompt, and it sends the SMS.

02 What does list_phone_numbers do with Vonage?

The `list_phone_numbers` tool pulls a comprehensive inventory of every phone line currently associated with your account. This helps you verify which numbers are active and ready for use.

03 Can I check my billing costs using the Vonage MCP?

Yes, you can use `get_pricing`. You just need to tell the agent what country's rates you want to know about, and it retrieves real-time cost data.

04 Is `list_conversations` the same as `list_voice_calls`?

No. `list_conversations` handles your text message history, while `list_voice_calls` provides a record and detail of all phone calls made or received.

05 What if I need more numbers? Can Vonage MCP help?







The agent can search for new options using the `list_search_numbers` tool. You provide the country, and it returns a list of available mobile or fixed lines.

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>"vonage-alternative": { "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

Vonage 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 · support@vinkius.com

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