

MCP SERVER

NO CODE

CLOUD HOSTED

Vonage MCP

Automate global messaging and manage virtual numbers.

Vonage MCP connects your AI agent to global communications, letting you send messages across SMS, WhatsApp, and Viber channels. It also handles virtual number management and two-factor authentication (2FA) workflows, all from chat commands. You can check account credits, determine international pricing, and manage webhook updates without ever logging into a dashboard.

A+ Quality Score 100/100

programmable-sms

whatsapp-api

2fa

identity-verification

voice-api

multi-channel-messaging



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

This MCP lets your AI agent become a full-scale communications command center. Instead of manually logging into separate dashboards to send a text or check an account balance, you simply ask your agent to handle it. You can trigger outbound messaging—whether that's a quick SMS update, a WhatsApp alert, or a Viber service message—by giving simple natural language prompts. Beyond sending messages, the MCP helps manage identity verification by initiating and checking One-Time Passwords (OTPs) for user accounts. It gives you visibility into your infrastructure too; list all rented numbers and even update their specific inbound webhooks using chat commands. Because Vinkius hosts this entire library of tools, your agent has access to global pricing data, letting you estimate communication costs before a campaign launches. It's about moving complex, multi-step comms workflows directly into your conversational AI client.

Core Capabilities

01 — Send messages across multiple channels

You can send outbound alerts via SMS, WhatsApp Business, or Viber from a single prompt.

03 — Monitor billing and number status

You retrieve your real-time credit balance, check outbound SMS pricing for any country, or list every virtual phone number tied to the account.

02 — Manage user verification codes (2FA)

The MCP handles starting the 2FA process by sending an OTP code and then checks if the user submits the correct code to validate their account.

04 — Update Number Webhooks

The MCP lets you programmatically change the callback URL for a specific rented virtual number.

One Click on Vinkius — From Prompt to Execution

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

- 01** Subscribe to this Vonage MCP and provide your API Key and Secret credentials.
- 02** Your AI agent uses these keys to access the communication tools, treating them like simple functions you call in chat.
- 03** The agent executes the required action—like sending a WhatsApp message or checking account credits—and reports the result back to you.

The bottom line is that your conversational AI client runs all these complex comms tasks directly, without needing manual logins or dashboard navigation.

Built For

Anyone whose job involves high-volume customer interaction across multiple channels. This MCP is for the Customer Support agent who gets sick of switching between SMS gateways and WhatsApp Business accounts. It's also for the DevOps engineer needing to quickly validate a new number's webhook settings, or the Ops Manager tracking global communication budgets at 2 AM.

Customer Support Specialist

Uses the MCP to send quick verification codes or account updates via SMS and WhatsApp without leaving their chat interface.

Marketing Operations Manager

Checks global pricing data for new campaign regions and lists virtual numbers needed for regional campaigns, all in one chat session.

Developer / Integrator

Tests messaging endpoints and monitors API usage by calling functions like `get_account_balance` or `list_rented_numbers` to validate integrations.

What Changes When You Connect

-
- 01** Centralized Comms: Instead of managing separate integrations for SMS, WhatsApp, and Viber, the Vonage MCP lets your agent handle all three channels from one prompt. This means faster support response times and fewer tools to track.

 - 02** Proactive Security: You can automate user onboarding by having your agent initiate a two-factor authentication flow using `start_verification` and then complete it with `check_verification_code`, making account setup instant.

 - 03** Cost Visibility: Quickly understand operational costs. Use `get_account_balance` to check spending limits or run `get_country_pricing` for new markets before committing to a campaign.

 - 04** Infrastructure Control: Need to redirect where messages come in? The MCP lets you `update_number_webhook` directly via chat, eliminating the need to manually navigate the number management portal.

 - 05** Efficiency Boost: By integrating this into your Vinkius catalog setup, you stop logging into multiple vendor dashboards. Your AI client becomes the single control point for all communication needs.
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Real-World Applications

Handling a new user sign-up

A customer asks their agent to verify their account. The agent automatically runs `start_verification` using the provided phone number, sends the OTP, and then waits for the user to reply with the code, completing the process via `check_verification_code`.

Running a regional marketing campaign

The marketing lead asks the agent to estimate costs. The agent uses `get_country_pricing` with the ISO code for Brazil (BR) and then suggests an estimated budget based on 10,000 messages.

Addressing a number routing failure

An ops manager notices an inbound webhook is pointing to the old system. They simply tell the agent to run `update_number_webhook` using the E.164 format for the affected number, fixing it instantly.

Sending a multi-channel alert

The support team needs to notify an employee of a policy change. The agent sends the same message simultaneously via `send_whatsapp_message` and `send_sms`, ensuring maximum reach across preferred channels.

Patterns to Avoid

Using API keys manually

✗ AVOID

Trying to paste credentials into a generic script or separate terminal window every time you need to send a message.

✓ INSTEAD

Connect the Vonage MCP through your Vinkius-connected AI client. You pass the necessary keys once, and then all subsequent actions—like sending an SMS via `send_sms`—happen automatically through natural conversation.

Assuming correct formatting

✗ AVOID

Sending a target number like '123-456-7890' instead of the full international E.164 format required by the API.

✓ INSTEAD

Always ensure your inputs are in E.164 format when using any sending tool, such as `send_sms` or `update_number_webhook`. The MCP handles the underlying communication requirements.

Ignoring account limits

✗ AVOID

Launching a huge campaign without knowing if your current credit balance can support it, leading to mid-campaign failures.

✓ INSTEAD

Always check `get_account_balance` first. This tool gives you real-time visibility into spending before any high-volume messaging is attempted.

The Right Fit

Use this MCP if your primary pain point involves coordinating communications across multiple channels (WhatsApp, SMS, Viber) or managing the underlying telephony infrastructure without touching a dashboard. The core value is turning complex multi-step tasks—like 'start verification' followed by waiting for code input and then 'check verification code'—into simple conversational prompts.

Don't use this if you only need to read static data from another source, like fetching user names or reading database records; for that, a standard database connector is better. Also, don't use it if your communication needs are limited to just one channel (e.g., only SMS); while `send_sms` works, the true power comes from its multi-channel capability and number management tools.

The hassle of logging into multiple comms dashboards

Today, if you need to update a customer's verification code or send an alert, you have to switch tabs. You log into the SMS dashboard for text messages, then maybe open the WhatsApp Business portal just for that chat, and finally check a separate system to confirm your account balance. It's tedious clicking, copying credentials, and switching context every few minutes.

With this MCP integrated into Vinkius, you eliminate the dashboards entirely. You tell your AI agent what needs doing—'Send an SMS to X and update their webhook URL.' The agent handles the sequence of actions across multiple channels and systems in one go. It's immediate, conversational control.

Vonage MCP Gives Instant Visibility Into Your Comms Stack

Before this MCP, checking your account status meant logging into the billing portal just to see if you had enough credit for a campaign. Updating a number's webhook URL was another separate process that required specific navigation and credentials.

Now, asking 'What is my current Vonage balance?' or running the `list_rented_numbers` tool gives you all that operational intelligence right in your chat window. You manage the full lifecycle of communication—from billing to deployment—without ever leaving the conversation.

Vonage MCP: Messaging & Number Ops (10 Tools)

These tools allow your AI agent to send texts via SMS, WhatsApp, or Viber; manage number webhooks, track account balances, and run full identity verification processes.

#	TOOL	DESCRIPTION
01	<code>cancel_verification_request</code>	Aborts an identity verification request that is currently active for a user's number.
02	<code>get_account_balance</code>	Retrieves the current monetary credit balance associated with your Vonage account.
03	<code>get_country_pricing</code>	Provides the outbound SMS pricing for a specific country code you supply.
04	<code>list_rented_numbers</code>	Generates a list of every virtual phone number currently rented under your account.
05	<code>send_sms</code>	Sends an outbound text message (SMS) to a target phone number using a specified sender name.
06	<code>send_viber_message</code>	Transmits a service message through the Viber messaging platform using your publisher ID.
07	<code>send_whatsapp_message</code>	Sends an outbound message via WhatsApp, requiring a verified Business Number as the sender.
08	<code>update_number_webhook</code>	Changes the inbound SMS callback URL for a specific virtual number using its E.164 format.
09	<code>check_verification_code</code>	Verifies if a user-submitted One-Time Password (OTP) matches an active identity verification request.
10	<code>start_verification</code>	Initiates the 2FA process by sending a unique OTP code to a target number with your brand name.

See It in Action

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

U Send an SMS to +123456789 saying 'Your order is ready for pickup!'.



I've sent the SMS to +123456789 via Vonage. Message: 'Your order is ready for pickup!'. The message was successfully dispatched (Message ID: msg-abc).

U Start a verification for number +123456789 with brand 'MyCoolApp'.



Identity verification started for +123456789. The OTP code has been sent. Your Request ID is 'req-xyz'. Please let me know the code when you receive it to complete the check.

U What is my current account balance and the SMS price for the UK?



Your current Vonage balance is 42.50 EUR. For the United Kingdom (GB), the outbound SMS price is approximately 0.045 EUR per message. You have enough credit for roughly 944 messages.

Frequently Asked Questions

01 How do I send a WhatsApp message using Vonage MCP?

You use the `send_whatsapp_message` tool. Just make sure your sender number is a verified WhatsApp Business Number, and then tell your agent who you want to message.

02 What does `start_verification` do with the Vonage MCP?

It begins the two-factor authentication process by sending an OTP code to the target number. After that, you must use `check_verification_code` to complete the validation using the received code.

03 Can I list my numbers with Vonage MCP?

Yes, running `list_rented_numbers` pulls up a comprehensive list of every virtual phone number currently tied to your account, helping you keep track of all assets.

04 How do I check pricing for different countries using Vonage MCP?

You use `get_country_pricing` and provide the ISO 3166-1 alpha-2 country code. This gives an accurate estimate of the outbound SMS cost for that region.

05 What if I need to change a number's callback URL?







You use the `update_number_webhook` tool. You just need to provide the E.164 formatted number and the new inbound SMS callback URL you want it to point to.

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": { "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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