

MCP SERVER

NO CODE

CLOUD HOSTED

# Cloopen MCP for AI Agents

Manage enterprise messaging campaigns and voice verification flows

Cloopen connects your AI client directly to China's top cloud communication platform, letting you manage SMS campaigns, voice calls, and application settings through natural conversation. Your agent handles everything from sending templated messages and initiating automated call verifications to checking account limits and auditing IVR configurations—all without needing to log into a complex web portal.

**A+** Quality Score 100/100

cpaas

voice-verification

sms-campaigns

cloud-communication

api-integration

enterprise-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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Cloopen / 容联云 MCP

10 tools available

Cloud-hosted on Vinkius

Cloopen lets your AI client handle all communications tasks for you. Instead of navigating the complicated Cloopen dashboard, your agent talks to this MCP, and it does the work. You can use natural language commands to send templated SMS messages or initiate automated voice calls for verification codes. Need to check if a message was delivered? Your agent handles that query instantly. It even lets you list approved templates so you know exactly what messaging is allowed across your company. Beyond sending messages, you can ask the MCP to audit your setup, listing all active communication applications and reviewing detailed IVR configurations. This capability means whether you're running a large-scale notification campaign or just verifying a single user account, you control it conversationally. You connect this powerful resource through Vinkius, giving any compatible AI client instant access to China's premier CPaaS tools.

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## Core Capabilities

### 01 — Send and track SMS messages

Draft and send template-based SMS messages while also querying the system for real-time delivery status.

### 03 — Audit account and resource usage

Retrieve high-level account information, check current balances, and monitor overall resource consumption.

### 02 — Manage voice verification calls

Initiate automated outbound voice calls to deliver critical notifications or security verification codes.

### 04 — List and configure communication apps

Get a list of all active applications and retrieve detailed setup information for specific communications platforms or IVRs.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/cloopen](https://vinkius.com/mcp/cloopen) — connect your AI agent in three steps.

- 01 Subscribe to this MCP on Vinkius, providing your Cloopen Account Sid, Auth Token, and App Id.
- 02 Connect your preferred AI client (like Cursor or Claude) through the Vinkius platform.
- 03 Use natural language prompts with your AI client to execute communication tasks, such as sending an SMS message or listing connected applications.

The bottom line is you talk to your AI agent, and it uses this MCP to perform complex, multi-step communication actions in the background.

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## Built For

This connector targets teams responsible for high-volume customer interaction. If your job involves managing user onboarding, sending alerts, or monitoring system health across different channels, you need this MCP. It helps Product Operations and Customer Success Teams stop switching between internal portals just to run a simple verification check.

### Product Operations Manager

Runs automated user verifications by having their agent initiate voice calls or send SMS codes without manual intervention.

### Customer Success Team Lead

Coordinates large-scale, time-sensitive customer notifications and manages communication application settings directly from the AI workspace.

### DevOps Engineer

Monitors system communication status and audits account resource usage to ensure message delivery reliability across all platforms.

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## What Changes When You Connect

- 01 Automate User Verification: Use the `list_voice_codes` tool to automatically trigger a call with a secure, time-sensitive code when needed.

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- 02 Full Message Visibility: The `query_sms` tool lets you check delivery status on any message ID, giving immediate confirmation that your campaign ran successfully.

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  - 03 Centralized Configuration: Listing all apps via `list_apps` and checking details using `get_app` keeps all communication settings visible in one conversational place.

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  - 04 Consistent Messaging: By listing templates with `list_templates`, you ensure every outbound message adheres to approved corporate language, preventing compliance issues.

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  - 05 Account Health Check: Use the `get_account_info` tool at any time to verify your remaining balance and overall service status without logging into a dashboard.
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## Real-World Applications

### Onboarding new users

A user needs verification. The agent runs `'list_voice_codes'` to send the code, waits for confirmation, and then uses that information to update the user record automatically.

### Updating system messaging:

The Product Ops team needs to confirm the current IVR flow before a product launch. The agent runs `'get_ivr'` and presents the full call path for immediate review against requirements.

### Auditing communication failure

The marketing team suspects a batch of notifications failed. They ask their agent to run `'query_sms'` using specific message IDs to pinpoint exactly which messages never delivered and why.

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# Patterns to Avoid

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## Manual Template Guesswork

### ✗ AVOID

A user tries to send an SMS but doesn't know if the correct template ID is '1', '2', or '3'. They waste time guessing and sending messages with the wrong content.

### ✓ INSTEAD

First, use `list_templates` to retrieve every approved template name. Then, select the exact template ID when you run the `send_sms` command.

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## Assuming Connectivity

### ✗ AVOID

A developer assumes that simply knowing a phone number is enough for verification and attempts to call it without proper setup.

### ✓ INSTEAD

Always check if the communication application is active first by running `list_apps`. Use the specific tools like `list_voice_codes` only after verifying the app status.

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## Overlooking Account Status

### ✗ AVOID

A campaign fails suddenly, and the team wastes hours troubleshooting messages when the issue is actually a depleted account balance.

### ✓ INSTEAD

Always check your service health first. Run `get_account_info` to verify balances and resource usage before initiating any high-volume communication tasks.

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## The Right Fit

Use this MCP if your core workflow revolves around sending automated, verifiable communications—SMS alerts, outbound voice calls, or managing complex call routing logic. You need it when you must interact with the specific technical details of a CPaaS platform like Cloopen. Don't use it if you only need to read static data from a user database; those tools won't help. If your process is purely about internal team communication (like Slack messages), look at dedicated messaging MCPs. But when the action requires sending an external, traceable message or calling a number, this is what you need.

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## Cloopen / 容联云 Messaging: Automating SMS and Voice Campaigns

Right now, running a campaign—whether it's an onboarding welcome message or a critical alert—means logging into the Cloopen portal. You have to manually select templates, input recipient lists, initiate calls through separate sections, and then copy-paste message IDs to check delivery status. It's clicking across five different dashboards just to send one reliable notification.

With this MCP, you simply ask your agent: 'Send a verification code for user X.' The process is instant. Your agent uses the necessary tools—like `send_sms` or `list_voice_codes`—to manage the entire lifecycle, sending the message and keeping track of its delivery status in one go.

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## Cloopen / 容联云 Application Management: Controlling Communication Setup

Manually setting up or auditing communication channels is a nightmare. You have to navigate between listing all apps ( `list_apps` ), checking the details of each one ( `get_app` ), and then figuring out if the IVR flow is correct by manually pulling configuration data. It's slow, prone to error, and requires knowing deep technical IDs.

Now, you just ask your agent: 'Show me the full setup for our main customer service line.' The MCP pulls together all necessary information, like calling `get_ivr` and providing a clean summary of what's active. You get clarity on your entire communication infrastructure in seconds.

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# Cloopen / 容联云: 10 Messaging and Account Tools

Use these tools to send messages, check status, retrieve application configs, and audit your entire communication setup.

#	TOOL	DESCRIPTION
01	<code>get_account_info</code>	Retrieves general operational details about your Cloopen account, including balances and status.
02	<code>get_app</code>	Fetches detailed setup information for a specific communication application ID.
03	<code>get_ivr</code>	Retrieves the current configuration and flow map of an Interactive Voice Response (IVR) system.
04	<code>list_apps</code>	Provides a comprehensive list of all active or configured communication applications associated with your account.
05	<code>list_callback</code>	Initiates a double-call callback sequence, useful for complex routing tests.
06	<code>list_landing_calls</code>	Starts an initial landing call to test or route incoming voice traffic flows.
07	<code>list_templates</code>	Retrieves all approved SMS templates used for sending messages across the organization.
08	<code>list_voice_codes</code>	Triggers a voice call containing a one-time verification code to a specified number.
09	<code>query_sms</code>	Checks the delivery status and history of previously sent SMS messages using a unique message ID.
10	<code>send_sms</code>	Sends a new SMS message by selecting an existing, approved template and providing recipient details.

## See It in Action

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

- U** We just launched the new feature. Send an SMS notification to all 50 beta testers using template 'NewFeatureAlert' and confirm the message ID.



### ✓ Status: Sent

Successfully dispatched the alert via template 'NewFeatureAlert'.

- **Recipient Count:** 50
- **Message ID:** A9B3C4D2E1
- **Delivery Prediction:** High (Pending confirmation in 5 minutes)

Please use this Message ID to query the final delivery status later on.

- U** What's our current account balance and are there any active applications running?



### Account Overview

METRIC	VALUE
Current Balance	¥850.00
Status	Active

*Applications:* 3 listed (Billing, Support IVR, Marketing SMS)

You have sufficient funds for immediate campaigns.

**U** I need a verification code sent to the user '139XXXXXXXX'. Use voice call method.



#### Verification Code Initiated

The system has initiated an automated voice call sequence. The recipient will receive a temporary PIN within the next 60 seconds.

- **Action:** `list_voice_codes` executed.
- **Status:** Pending Callback
- **Note:** Keep this session open to confirm successful delivery.

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## Frequently Asked Questions

### 01 How does Cloopen / 容联云 MCP help me manage SMS campaigns?

It lets you automate entire message sends. Instead of manually creating messages, you ask your agent to use a pre-approved template and send it to dozens or hundreds of people instantly. You also get real-time confirmation on which messages actually delivered.

### 02 Can I check my account limits using the Cloopen / 容联云 MCP?

Yes, you can run an account audit anytime. The agent will retrieve your current balance and overall resource usage, letting you know if a campaign is at risk of failing due to low funds.

### 03 What if I need automated voice verification codes?

You can trigger these calls using the MCP. Your AI agent handles the entire process: initiating the call and delivering the secure, time-limited code directly to the user's phone.

### 04 Does this MCP help with setting up new communication apps?

Yes, you can list all existing applications using `list_apps` and then get detailed information on a specific app or its IVR flow. This helps your team audit the setup before making changes.

### 05 Is this MCP only for China-based numbers?







This MCP is designed to manage communications specifically through Cloopen, which operates within the Chinese cloud communication ecosystem.

# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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
 <b>Claude AI</b>	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 <b>Cursor</b>	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 <b>VS Code</b>	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"cloopen": { "url": "..." }</code>
 <b>Windsurf</b>	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 <b>ChatGPT</b>	Settings → Tools & plugins → Add MCP server → Paste endpoint
 <b>Gemini</b>	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

# Cloopen / 容联云 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](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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