

MCP SERVER

NO CODE

CLOUD HOSTED

# MessageBird MCP

Manage contacts, balances, and messages via conversation.

MessageBird helps your AI agent manage all global communications in one place. Send SMS messages, check real-time account balances, and audit large contact lists without ever logging into a dashboard. Use this MCP to automate everything from sending verification codes to checking message history across any compatible client.

**A+** Quality Score 100/100

omnichannel

sms-gateway

contact-management

messaging-api

customer-engagement

real-time-sync



# The infrastructure that powers AI agents in the real world.



Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

# Your AI Connections Run Through Vinkius Cloud

The world's largest  
managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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.

# MessageBird MCP

10 tools available

Cloud-hosted on Vinkius

This MCP lets your agent handle your entire global communication strategy. Instead of jumping between multiple portals—one for contacts, another for billing, and a third for messaging—your AI client handles it all in one conversation. You can tell your agent to send an SMS message, check the recipient's full contact history, and confirm if you have enough funds for the campaign, all at once. It's like having a real-time communications coordinator on staff.

Whether you need to run mass marketing broadcasts or just verify a single user's number before sending a code, your agent manages it. You can also list configured channels and audit past messages, ensuring everything is tracked correctly. By connecting MessageBird through the Vinkius catalog, your workflow moves from complex manual steps to simple conversation.

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## Core Capabilities

### 01 — Send global SMS alerts

Your agent sends text messages to any recipient worldwide and tracks detailed delivery status.

### 03 — Monitor communication costs

The agent checks the current account balance so you always know how much money you've spent and what's left.

### 05 — Verify number validity

The agent performs HLR requests to check if a phone number is valid and connected to the network.

### 02 — Audit contact databases

You can list, retrieve details for specific contacts or groups, giving you a full view of your audience data.

### 04 — Review message history

Retrieve and list recent SMS messages, including delivery status and full content for auditing purposes.

# One Click on Vinkius — From Prompt to Execution

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

- 01 Subscribe to this MCP on Vinkius.
- 02 Enter your MessageBird API Key into your AI client.
- 03 Tell your agent what you need—like 'Check my balance and send an SMS'—and it uses the tools to get the answer.

The bottom line is, your agent turns complex messaging tasks into simple conversational commands.

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## Built For

This MCP is for Ops Managers who hate manually tracking communication spend. It's for Marketing Leads who need to validate large groups before a broadcast. And it's perfect for Support Agents who need immediate message history access without logging into a separate portal.

### Operations Manager

You use this MCP to monitor communication spend and send urgent global alerts directly from your operational workflow.

### Marketing Lead

You verify that new contact groups are ready for large-scale broadcasts, making sure the right people get the message.

### Customer Support Agent

You perform rapid audits of a customer's message history and check their connectivity status instantly.

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## What Changes When You Connect

- 01 You instantly know your financial status. Using `get_balance` means you never have to manually check a dashboard just to see if you can afford another campaign.

- 02 Auditing contact lists is fast. With `list_contacts` and `list_groups`, your agent pulls all the data you need without you having to navigate deep menus or copy/paste hundreds of names.

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  - 03 Messaging becomes simple. Instead of writing a multi-step process, simply ask your agent to `send_sms`. It handles the recipient details and tracks delivery status for you.

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  - 04 Support workflow improves immediately. You can use `list_messages` to give a customer support agent full visibility into message history in seconds, making issue resolution much faster.

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  - 05 Connectivity is verified upfront. Before launching a campaign, run `list_hlr` to check number validity and make sure your audience data isn't wasted on dead numbers.
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## Real-World Applications

### Campaign Launch Readiness Check

A marketing lead needs to send a discount code. They ask their agent: 'Check the account balance, verify if I have enough contacts in Group A, and then send an SMS.' The agent uses `get_balance`, `list_groups`, and `send_sms` to complete the whole process without any manual intervention.

### Data Hygiene Audit

An operations manager needs to clean up an old contact list. They ask their agent to run a check on 50 numbers using `list_hlr`. The agent reports which numbers are invalid or inactive, saving hours of manual phone number validation.

### Investigating Failed Deliveries

A support agent notices a customer claim their messages aren't going through. They tell their agent, 'Show me the last 10 messages for this user.' The agent runs `list_messages` and provides the full delivery history, identifying exactly where the message failed.

### Pre-Broadcast Validation

A business owner is launching a new product and needs to make sure the contact list is current. They ask the agent to run `list_contacts` and check for any missing metadata fields, guaranteeing that all recipients are up to date.

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# Patterns to Avoid

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## Checking finances separately

### X AVOID

A user checks their balance in one place, then has to log into the messaging tool later just to send a message. This requires two different logins and context switches.

### ✓ INSTEAD

Use this MCP to keep everything unified. Ask your agent to 'Send an SMS if I have \$10 available.' It uses `get\_balance` before executing `send\_sms`, making it one single, atomic request.

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## Guessing contact status

### X AVOID

A user assumes a group is ready for a broadcast because they saw the name in the dashboard. They don't know if the contacts are valid.

### ✓ INSTEAD

Always run `list\_hlr` on key numbers first. This verifies network connectivity and number validity before you spend money sending out messages.

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## Manually retrieving message details

### X AVOID

A team member has to copy a message ID from an email, then paste it into the MessageBird dashboard just to see the delivery status.

### ✓ INSTEAD

Let your agent use `list\_messages` or `get\_message`. Just describe the conversation history you need, and the MCP pulls all the details automatically.

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## The Right Fit

Use this MCP if your core workflow involves global SMS messaging, managing large contact databases, or monitoring communication costs. It's ideal for teams that manage communications across multiple platforms but want a single AI entry point to handle sending, auditing, and billing checks.

Don't use this MCP if you only need simple CRM record keeping (use a dedicated database connector) or if your primary function is email marketing (you need an email service API). You also don't need it if you just want to track internal team chat logs; stick with a messaging platform like Slack instead. This tool specializes in the technical mechanics of sending SMS and managing the associated data lifecycle.

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## The Pain of Context Switching

Right now, coordinating global communication is a nightmare. You open your billing dashboard to check if you have funds. Then you switch tabs to the contact manager to see which groups exist and if they're clean. Finally, you go to the messaging tool itself just to draft and send the alert. It's three separate logins, multiple clicks, and half the time, you lose track of which piece of data belongs where.

With this MCP, that process collapses into a single conversation with your agent. You simply ask: 'Send an SMS alert about X.' The tool automatically checks `get_balance`, confirms contact details via `list_contacts`, and then executes the message send—all without you ever leaving your AI client.

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## Get Complete Communication Oversight with MessageBird

You stop needing to run separate reports for billing, contacts, and messages. You no longer have to copy message IDs into a different system to check delivery status; your agent handles the `list_messages` lookup immediately.

It's about having one reliable source of truth for all things global communication. Your agent coordinates every step, from data auditing using `list_contacts` to sending the final alert with `send_sms`. Period.

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# MessageBird: 10 Tools for Communication Ops

Use these tools to manage everything from sending a single message to auditing entire contact groups and monitoring account finances.

#	TOOL	DESCRIPTION
01	<code>list_hlr</code>	Lists Home Location Register requests, helping verify number validity and network status.
02	<code>list_messages</code>	Retrieves a list of your most recent SMS messages sent through the platform.
03	<code>get_group</code>	Retrieves details about a specified contact group.
04	<code>list_channels</code>	Lists all communication channels that are currently configured for your account.
05	<code>list_contacts</code>	Retrieves a list of all existing contacts stored in MessageBird.
06	<code>list_groups</code>	Provides a listing of the contact groups available to you.
07	<code>get_message</code>	Fetches the full content and status of one specific message ID.
08	<code>get_balance</code>	Retrieves the current financial balance for your MessageBird account.
09	<code>get_contact</code>	Gets all detailed information for a specific contact ID.
10	<code>send_sms</code>	Sends a new text message to a specified global recipient number.

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## See It in Action

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

### **U** Check my MessageBird account balance.



I've retrieved your balance. You currently have \$50.00 available in your account. The payment type is set to PREPAID.

### **U** List the last 5 SMS messages sent from my account.



I've found your recent messages. You have 5 sent SMS, including one to +123456789 with status 'delivered'. Would you like the full text for any of them?

### **U** Send SMS 'Your discount code is VINKIUS20' to +15550123.



Message delivered! I've successfully sent the discount code to +15550123. The originator was set to 'Vinkius'. The message ID is xxxxxxxx.

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## Frequently Asked Questions

### **01** How do I check my MessageBird account balance using this MCP?

Use the ``get_balance`` tool. Your agent runs this command and tells you your current spending limits, so you never run out of funds unexpectedly.

### **02** Can I use MessageBird to send SMS messages from a group list?

Yes. You can first run ``list_groups`` to identify the target contacts and then instruct your agent to execute ``send_sms``, handling the message dispatch for you.

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**03 What is the difference between `get\_contact` and `list\_contacts`?**

Use `list\_contacts` when you need an overview of every contact. Use `get\_contact` only when you know the specific ID and want all detailed information for just that one person.

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**04 Does MessageBird help me verify phone numbers?**

Yes, run `list\_hlr`. This tool checks the Home Location Register to validate if a number is active on the network before you send an expensive message.

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**05 Can I audit old messages with MessageBird MCP?**

Absolutely. Use `list\_messages` to retrieve and review recent communication history, helping your team solve support issues faster than manual logging allows.

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**06 How do I find my MessageBird API Key?**

Log in to your [**MessageBird Dashboard**](https://dashboard.messagebird.com/), navigate to **Developers** > **API Access**, and you will find your Access Key there. Copy and paste it into the field below.

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**07 Can the agent check my current credit balance?**

Yes. Use the `get\_balance` tool. Your agent will retrieve your current account balance and payment type (prepaid/postpaid) instantly.

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**08 Is it possible to send SMS to multiple recipients at once?**

Yes. The `send\_sms` tool accepts a comma-separated list of recipient numbers. Your agent will deliver the message to all recipients and provide the overall delivery status.







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# 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>"messagebird": { "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

# MessageBird 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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### DOCUMENT INFORMATION

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