

MCP SERVER

NO CODE

CLOUD HOSTED

Bird MCP for AI Agents

Manage global SMS and WhatsApp communications from a single point.

Bird (MessageBird) MCP lets you manage global, omnichannel communication directly from your AI client. Send high-volume SMS messages, WhatsApp chats, and Telegram alerts, all while tracking real-time delivery status and managing customer contacts in one place.

A+ Quality Score 100/100

omnichannel-messaging

whatsapp-api

sms-gateway

voice-api

email-api

customer-engagement



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.

Bird (Omnichannel Communication) MCP

10 tools available
Cloud-hosted on Vinkius

Managing modern customer communications means dealing with dozens of channels: email, SMS, WhatsApp, chat apps. Trying to keep track of message history, contact records, and billing across those silos is a nightmare. This MCP connects your global communication infrastructure to natural conversation. You talk to your AI client—say, 'Send a reminder about the appointment to Jane Doe'—and it handles all the complexity: selecting WhatsApp for that contact, formatting the message correctly, sending it, and logging the attempt.

It doesn't just send messages; it manages the whole lifecycle. Need to know if a message bounced? It retrieves detailed carrier delivery receipts. Have a new user join? You can build or update their profile right from your agent. Everything is controlled via conversation, making manual dashboard exports obsolete. By connecting this MCP through the Vinkius catalog, you get full visibility into messaging and CRM contacts without ever leaving your primary workflow.

Core Capabilities

01 — Dispatching Multi-Channel Messages

Send messages across SMS, WhatsApp, and Telegram using a single conversational interface.

03 — Auditing Message History

List past SMS messages and active chat groups to understand full customer engagement reach.

05 — Investigating Delivery Failures

Retrieve detailed message metadata and receipts, pinpointing why a carrier rejected a transmission.

02 — Managing Customer Profiles

Create, read, update, or delete CRM contacts, ensuring your communication directory is always current.

04 — Tracking Financial Status

Get real-time account balance checks to prevent unexpected communication halts or billing issues.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/bird-omnichannel-communication — connect your AI agent in three steps.

- 01 Subscribe to this MCP on Vinkius and enter your Bird (MessageBird) Access Key.
- 02 Connect the credentials to any compatible AI client, giving it permission to access global communication tools.
- 03 Instruct your agent using natural language: 'Send a WhatsApp message to John Doe' or 'What is my current balance?'

The bottom line is that you manage high-volume, multi-channel communications and contact data entirely through conversation.

Built For

This MCP targets operational teams who deal with constant customer communication volume. If your job requires checking delivery logs across SMS, WhatsApp, and Telegram daily, this is for you. You're the person tired of jumping between a CRM dashboard, an accounting portal, and a messaging app just to send one reminder.

Support Operations Manager

Manages customer conversations by listing active omnichannel chats and verifying contact metadata directly from their workspace.

Growth Engineer

Automates the dispatch of marketing notifications globally, monitoring delivery rates without manually exporting reports.

Developer/Integrator

Tests complex communication flows and validates carrier delivery statuses across multiple geographies programmatically.

What Changes When You Connect

- 01 Instead of checking multiple dashboards, you can use the `list_conversations` tool to enumerate all active chat groups across different messaging apps efficiently. Your agent handles the cross-platform view.
- 02 You never have to worry about running out of funds unexpectedly. The `get_balance` tool gives you real-time financial visibility, preventing automated communication halts before they happen.
- 03 Need to send a broadcast? You can dispatch high-priority SMS messages globally using the `send_sms` tool while specifying alphanumeric originators and secure E.164 recipient formats.
- 04 When a message fails or gets rejected by a carrier, you don't guess what went wrong. The agent retrieves detailed metadata using `get_message_details`, allowing you to investigate rejections natively.
- 05 Forget manual contact lists. You can use the agent to manage your entire communication directory by calling `create_contact` or `delete_contact` as part of a natural conversation.

Real-World Applications

A Support Agent Needs to Check Customer History

The customer calls in asking about an old order. Instead of manually searching the CRM, the agent asks the AI client to first `list_contacts` and then use `get_contact_details` on that user's profile. This immediately surfaces all custom attributes and relevant metadata for fast service.

A Marketing Team Needs a Bulk Alert

The team needs to notify 50 users about a system outage. The agent uses the `send_omnichannel_message` tool, automatically routing the alert via WhatsApp for those contacts who prefer it, and logging the full broadcast history.

A Developer Needs to Test Messaging Flows

Before launching a new feature, the developer asks the agent to run a test flow. It uses `send_sms` to dispatch a sample message, then uses `get_message_details` to confirm the carrier delivery receipt status across different geographies.

A Sales Team Needs to Clean Up Leads

The sales rep has outdated contact information. They ask the agent to use `list_contacts`, identify stale entries, and then call `delete_contact` on those records, keeping the communication directory clean.

Patterns to Avoid

Manually checking message delivery

X AVOID

A user checks the Bird dashboard, filters by date, downloads a CSV of sent messages, and then manually cross-references the 'Status' column to find rejects.

✓ INSTEAD

The agent handles this instantly. Instead of downloading logs, simply ask your AI client to use `get_message_details` on the specific message ID. It retrieves the status directly into your chat window.

Sending messages via multiple tools

X AVOID

A user has to switch between a generic messaging API and a separate SMS tool, forgetting which channel they were supposed to use for a specific customer.

✓ INSTEAD

Use the `send_omnichannel_message` tool. The agent determines if WhatsApp or Telegram is best suited for that recipient's history and routes the message automatically.

Creating contact records in two places

X AVOID

The support team enters a new user into the main CRM, but forgets to update the communication directory in Bird, leading to mismatched data.

✓ INSTEAD

Always use `create_contact` through your agent. This ensures that every time a record is added or updated, it syncs correctly with the central messaging system.

The Right Fit

Use this MCP if your core business relies on high-volume, multi-channel customer communication (SMS, WhatsApp, Telegram). You need an AI agent to act as a centralized dispatcher that tracks every message's lifecycle—from sending until the final delivery receipt. It's perfect for support teams and growth engineers who manage large contact databases.

Don't use this MCP if your primary need is simple email marketing or complex, highly structured data reporting (like financial modeling). For those cases, you should connect a dedicated CRM system that handles emails natively, or use a specialized data warehousing tool. This MCP excels at the actual *sending* and *tracking* of messages across diverse communication channels.

Bird Messaging MCP: Handling Global WhatsApp and SMS Communications

Right now, sending communications is a painful process involving jumping between your CRM to pull contact details, then switching to the messaging gateway just to compose and send. You have to check multiple dashboards to see if a message was delivered or if the carrier rejected it.

With this MCP, you simply tell your agent who needs contacting and what to say. The system automatically handles channel selection (WhatsApp vs SMS), sends the alert, and provides immediate confirmation of delivery status right in your chat window.

Bird Messaging MCP: Centralizing Contact Data and Account Visibility

Keeping up with customer records is a manual chore. You're constantly running reports to check if contacts have the latest custom attributes, or checking your account balance before launching a campaign.

Now, you can ask your agent to list all existing contacts and even upsert data using `create_contact` . It keeps your communication directory clean and accurate, and always tells you exactly how much budget you've left.

Bird (Omnichannel Communication) MCP: 10 Messaging & Contact Tools

Use these tools to send messages across multiple channels, manage your contact directory, audit message history, and check account finances.

#	TOOL	DESCRIPTION
01	<code>create_contact</code>	Adds a new record to your central CRM contact list.
02	<code>delete_contact</code>	Permanently removes an existing customer or contact profile from the directory.
03	<code>get_balance</code>	Checks and reports your current communication account spending limit and balance.
04	<code>get_contact_details</code>	Retrieves a full profile, including custom attributes, for a specific contact.
05	<code>get_message_details</code>	Fetches detailed status information for one particular SMS message.
06	<code>list_contacts</code>	Retrieves an exhaustive list of all contacts stored in your communication directory.
07	<code>list_conversations</code>	Lists currently active chat threads across multiple messaging platforms.
08	<code>list_messages</code>	Retrieves a history of all messages previously sent via SMS.
09	<code>send_sms</code>	Sends a high-priority text message to any specified E.164 phone number.
10	<code>send_omnichannel_message</code>	Dispatches a message via WhatsApp or Telegram, depending on the recipient's preferred channel.

See It in Action

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

U I need to send a reminder about the payroll meeting to Jane Doe. She prefers WhatsApp.



Message Sent Successfully

- **Recipient:** jane.doe@example.com (WhatsApp)
- **Content:** Reminder: Payroll meeting moved to 10 AM tomorrow.
- **Status:** Delivered (2024-07-15, 9:32 AM UTC)

I've logged this and scheduled a follow-up check in an hour to ensure delivery confirmation.

U What did I send to the Smith account last week? And what is our current balance?



Account Status:

- Current Balance: \$350.20 USD
- Last 7 Days Usage: \$145.80

Recent Messages (Smith Account):

DATE	CHANNEL	TO	STATUS
07/13	SMS	+123...	Delivered
07/15	WhatsApp	+123...	Buffered (Pending)

The buffered message is likely waiting for a manual reply to complete the thread.

- U** Can you find all my contacts in the marketing department and delete the ones that haven't communicated in 6 months?



Contact Cleanup Report

I analyzed your directory. Here are the actions taken:

✅ **Deleted:** 12 inactive records.

- john.smith@corp.com (Last contact: 01/20)
- jane.doe@corp.com (Last contact: 03/05)
- ... (and 10 others)

The directory is now cleaner, and we've saved potential billing clutter.

Frequently Asked Questions

01 How does the Bird MCP help me send messages across WhatsApp, SMS, and Telegram?

It acts as a single control panel. You just tell your agent to send the message, and it handles which channel is best for that recipient—whether they prefer text or chat app communication.

02 I need to track if my SMS messages actually got delivered. How does Bird help?

The MCP provides real-time delivery audits. It retrieves detailed receipts, letting you know instantly if a message was delivered, rejected by the carrier, or is still pending.

03 Can I use this MCP to keep my customer contact list updated?

Yes. You can manage your communication directory directly through conversational commands. This includes creating new profiles using `create_contact` and updating existing ones with custom attributes.

04 What if I need a bulk alert sent out to thousands of people?

It handles high-volume dispatching reliably. You can send mass SMS messages while specifying the correct alphanumeric originators, which is crucial for large campaigns.

05 Is this MCP only good for sending messages, or does it help with billing too?

It helps with both. Beyond dispatching, you can query your account status to get a real-time balance check. This prevents unexpected communication halts and keeps your operations running smoothly.

06 I don't know which contact ID I need; how do I start?







You simply ask the agent to list all contacts. It retrieves a full directory of existing users, letting you review who needs attention before sending anything out.

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>"bird-omnichannel-communication": { "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

Bird (Omnichannel Communication) 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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