MCP SERVER | NO CODE | CLOUD HOSTED

SignalWire MCP

Audit Calls, Messages, and Account Usage Instantly

SignalWire MCP connects your AI agent directly to a full cloud communications stack, letting you manage SMS, voice calls, and usage data conversationally. Instead of logging into multiple technical portals, you can ask your agent to audit call logs, check message delivery status, list active phone numbers, or even send urgent alerts—all in natural language. It makes complex telecom management feel like a simple chat.

A+ Quality Score 100/100

cloud-communications | sms-notifications | voice-api | video-conferencing | telecom-infrastructure

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vinkius.com/mcp/signalwire

SCAN TO VIEW

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.

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.

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.

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	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	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.

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.

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.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken 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.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

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.

SignalWire MCP

8 tools available
Cloud-hosted on Vinkius

This MCP lets your AI agent handle the messy parts of running communications for your business. Forget logging into complicated web dashboards just to find out if an alert message went through or how much you spent last month. By connecting SignalWire, your agent acts as a real-time telecom operator that answers questions about your communication platform instantly. You can ask it to retrieve detailed records for every call, check the status of specific messages, and even list all numbers associated with your project without ever touching a technical console. This capability transforms complex telecommunications management into simple conversation. If you're managing customer alerts or corporate voice lines, this MCP gives your agent the full control panel. You can use Vinkius to connect this power source to any compatible client, giving your entire team reliable communication data and cost oversight, right where they work.

Core Capabilities

01 — Send SMS alerts

Your agent sends immediate text messages to specified phone numbers.

02 — Track call history

The agent retrieves detailed metadata for recent voice calls, including who called and how long the conversation lasted.

03 — Review message logs

You can ask your agent to list all recent text messages or get full details on a specific message's delivery status.

04 — Monitor project numbers

The system lists and monitors every phone number tied to your SignalWire account for quick reference.

05 — Analyze usage costs

Your agent pulls detailed records of all communication activity, helping you track spending over time.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP and provide your SignalWire Project ID, API Token, and Space URL.

02 Connect the credentials through your preferred AI client (like Cursor or Claude).

03 Ask your agent a question like, 'What were my calls last week?' and it executes the necessary lookups.

The bottom line is you talk to your agent naturally; it handles all the complex API queries required by SignalWire.

Built For

This tool is essential for Operations Managers, Customer Success Teams, and Developers who hate jumping between dashboards. If checking communication logs, auditing usage, or sending alerts takes more than five minutes of manual clicking, you need this.

Operations Manager

Needs to monitor overall communication usage and quickly send SMS alerts for operational issues without manually running reports.

Customer Success Team Lead

Must verify message delivery statuses or audit call logs immediately when a customer calls with a service question.

Software Developer

Needs to perform rapid, deep audits on project configurations and test messaging pipelines using only natural language commands.

What Changes When You Connect

01 You can send urgent alerts instantly using the `send_sms` tool. Instead of manually opening a communication platform to type out an alert, you simply ask your agent to do it.

02 Quickly assess resource consumption by calling `list_usage`. You get detailed records that help keep strict control over your overall communications costs without running manual reports.

03 Never lose track of what happened on the phone. The agent uses `list_calls` to provide a history of recent voice calls, so you always know who called and when.

04 Troubleshoot communication failures immediately. You can use `get_message` to pull up a specific message's full status, confirming if it was delivered or failed for any reason.

05 Manage your entire setup from one place. Use `list_phone_numbers` to see all active numbers tied to the project without needing to navigate deep into technical settings.

Real-World Applications

Checking on a failed customer notification

A Customer Success agent needs to confirm if a critical service update message was delivered. They ask their agent, 'Check the status of the alert sent yesterday.' The agent uses `list_messages` and then `get_message` to give them instant confirmation and details.

Quarterly budget review

An Operations Manager needs to understand communication spend. They ask their agent, 'What was the usage last month?' The agent runs `list_usage`, providing comprehensive data so they can accurately plan for next quarter's budget.

Investigating a call quality issue

A technical developer notices an unexpected call duration. They ask their agent to 'Show me the details of the call from 10 AM.' The agent uses `get_call` and provides all necessary metadata for the investigation.

Mass rollout preparation

A team needs to know if they have enough numbers configured. They ask their agent, 'List all active phone lines for this project.' The agent runs `list_phone_numbers`, giving them an immediate overview of available resources.

Patterns to Avoid

Manual Dashboard Navigation

✗ AVOID

A user spends 15 minutes clicking through the SignalWire web portal, filtering by date, and copying call metadata into a spreadsheet for review.

✓ INSTEAD

Instead, simply ask your agent to `list_calls` or `list_messages`. It gathers all the necessary data points directly and gives it back in plain text.

Forgetting specific IDs

✗ AVOID

The user knows they need a report on usage, but can't remember if they need to check messages or calls, forcing multiple manual checks.

✓ INSTEAD

Use the `list_usage` tool. This single action provides comprehensive financial and activity records for all communication types.

Overlooking number inventory

✗ AVOID

A developer thinks they have 10 numbers configured but can't remember which ones are active or reserved, risking service disruption.

✓ INSTEAD

Run `list_phone_numbers` to get a complete and current inventory of every operational number attached to the project.

The Right Fit

Use this MCP if your primary need is accessing real-time, auditable data about communication events (calls, messages, usage) without manual dashboard logins. If you are constantly asking 'What happened?' or 'How much did that cost?', this is for you. Don't use it if you just need to read the general pricing model; those details aren't available here. Also, don't use it if your primary goal is setting up complex routing rules between different services; stick to simple monitoring and querying using tools like `get_call` or `send_sms`. This MCP excels at data retrieval and basic actioning.

Communication Auditing Used To Be a Manual Pain

Today, if you need to know why a customer complaint was sent last Tuesday or how many calls were made through the system, you have to log into the SignalWire dashboard. You navigate to the Call Logs tab. Then you filter by date range. If you need message status, you switch tabs and repeat the process for SMS history. It's a tedious cycle of clicking, filtering, cross-referencing sheets, and ultimately copying data out.

With this MCP, that entire manual sequence disappears. You simply instruct your agent to 'Show me all calls between Monday and Wednesday.' The system handles the complex logging in the background, delivering clean, structured data back to you instantly. Your focus stays on solving the problem, not fighting the UI.

SignalWire MCP Gives You Full Communication Oversight

You no longer have to manually check call logs or message history across different sections of the web portal. Instead, you can ask your agent to combine these actions. For example, asking for 'recent calls and their associated usage data' combines multiple manual steps into one natural query.

It’s immediate access, always. You get a single source of truth about every piece of communication activity that happens on the platform, giving you total confidence in your operational reporting.

SignalWire: 8 Communication Management Tools

These eight tools let you manage every aspect of your communications—from sending alerts to auditing detailed call metrics—all through natural language conversation.

#	TOOL	DESCRIPTION
01	`get_account_info`	Retrieves general account details for SignalWire.
02	`get_call`	Gets specific, detailed information about a single recorded call.
03	`get_message`	Fetches the full status and details for one specific text message.
04	`list_calls`	Lists all recent voice calls that have occurred on your account.
05	`list_messages`	Retrieves a list of the most recent SMS or MMS messages sent and received.
06	`list_phone_numbers`	Lists all phone numbers that are currently associated with your SignalWire project.
07	`list_usage`	Pulls detailed records showing how much you've used the communication platform for billing purposes.
08	`send_sms`	Sends a new SMS message to a target phone 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 SignalWire phone numbers.

I've retrieved your phone numbers. You have 2 active numbers: '+1 234 567 890' and '+1 987 654 321'. Both are currently active and configured for voice and SMS.

U Send SMS 'Server alert: high usage detected' to +15550123.

Message sent! I've successfully delivered your alert to +15550123 using your SignalWire number. The message SID is SMxxxx.

U Show me recent call logs for my project.

I've found 5 recent calls. Notable interactions include an inbound call from '+1 111 2222' lasting 2 minutes. Would you like the full metadata for any specific call?

Frequently Asked Questions

01 **How do I check my SignalWire usage with the SignalWire MCP?**

You use the `list_usage` tool. This function pulls comprehensive records that allow you to track all communication activity and manage your associated costs.

02 **Can I send an SMS alert using the SignalWire MCP?**

Yes, you use the `send_sms` tool. Your agent can deliver immediate text messages to specified phone numbers directly through natural language instructions.

03 **What is the difference between listing calls and getting a specific call detail with SignalWire MCP?**

Running `list_calls` gives you a summarized list of recent conversations. To get full metadata, like detailed participants or timestamps for one interaction, use the `get_call` tool.

04 **Does this MCP help me find all my active phone numbers?**

Absolutely. The `list_phone_numbers` tool runs a quick audit and provides you with a complete list of every number associated with your project, keeping your inventory updated.

05 **Can I use the SignalWire MCP to check if an SMS message was delivered?**

Yes. You can run `list_messages` to see recent activity and then use `get_message` to retrieve detailed status information for any single text communication.

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 `"signalwire": { "url": "…" }`
Windsurf	MCP Settings → `mcp_settings.json` → 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

SignalWire 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 →

vinkius.com · support@vinkius.com

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