

MCP SERVER

NO CODE

CLOUD HOSTED

# Mockaroo MCP

## Generate Realistic Test Data Instantly

Mockaroo gives your AI agent professional-grade data synthesis capabilities. It generates thousands of rows of realistic, diverse dummy records instantly, allowing you to audit schemas and discover field types right from conversation. Stop building test environments with static spreadsheets; generate high-fidelity mock data tailored exactly to your needs.

**A+** Quality Score 100/100

test-data

data-synthesis

csv-export

json-generation

schema-design

dummy-data



# 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 — 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.

**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.

# Mockaroo MCP

5 tools available

Cloud-hosted on Vinkius

Mockaroo lets your AI client handle the entire process of creating complex datasets. Instead of manually writing out fields or importing messy CSVs, you talk to your agent about what kind of data you need—say, 50 user profiles with unique names and valid addresses. The agent then uses this MCP to instantly synthesize those records in JSON format. It's like having a real-time data architect available only through natural conversation. You can also browse saved schemas or check the catalog for field types without ever opening a technical configuration page. This capability makes it easy to build robust prototypes or test application performance using high-quality, diverse data. All of this is managed and accessed through Vinkius, making Mockaroo one part of many powerful tools available to your agent.

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## Core Capabilities

### 01 — Generate records from fields

Create a specific number of fake data rows using a defined list of field types.

### 02 — Generate records from saved structures

Use a previously configured schema name to generate consistent, structured test data batches.

### 03 — List available schemas

See all the mockaroo blueprints you've saved for future data generation.

### 04 — Check uploaded datasets

View and manage any reference or dataset files you've already loaded into your account.

### 05 — List field types

Get a full list of all possible data markers (like 'email' or 'date') available for building records.

# One Click on Vinkius — From Prompt to Execution

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

- 01 Subscribe to this MCP and provide your Mockaroo API key within your agent's settings.
- 02 Instruct your AI client to perform a data task, like 'Generate 10 records for user testing using my saved schema.'
- 03 The MCP executes the request, returning structured mock data (JSON) directly to your conversational thread.

The bottom line is you get clean, high-volume test data without writing a single query or touching a setup screen.

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## Built For

Anyone building systems that require realistic testing environments. It's for the QA Engineer who needs hundreds of diverse users right now, and the Backend Developer who can't trust static JSON files.

### QA Engineer

Needs to check if a new feature handles edge cases with thousands of varied records. They use this MCP to generate massive, diverse datasets on demand.

### Backend Developer

Verifies API endpoints by ensuring data structures are correctly validated using the `generate\_mock\_data` tool for specific field types.

### Product Manager

Runs quick prototypes and needs realistic user profiles to show stakeholders, relying on schema definitions instead of fake names.

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## What Changes When You Connect

- 01 Stop guessing what data looks like. You can use the `list_field_types` tool to see every available marker, ensuring your test coverage is comprehensive.

- 02 Consistency matters for testing. Use `generate_from_schema` to pull records that always adhere to a specific, reliable structure you've pre-defined.

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- 03 Need data fast? Generating hundreds of realistic rows via the `generate_mock_data` tool lets your agent build test cases without manual effort.

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- 04 Maintain control over your inputs. The MCP allows you to use `list_datasets` to track and reference specific files for cross-functional testing.

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- 05 Your AI client acts like a data architect, handling schema audits and field type discovery through simple conversation rather than complex UI clicks.

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## Real-World Applications

### Testing user signup flows

A QA engineer needs to verify that the signup endpoint handles different regions. They ask their agent to run `generate_mock_data` with fields like 'country code', 'full name', and 'email' to ensure global validation works correctly.

### Verifying API schema changes

A Backend Developer updates an endpoint and needs to confirm field types. They prompt the agent to use `list_field_types` first, then generate records using a custom schema, verifying that data types match expectations.

### Building a prototype user dashboard

A Product Manager needs sample data for a pitch. Instead of using fake placeholders, they prompt the agent to `generate_from_schema` based on their 'User Profile' template, getting instantly structured JSON ready for presentation.

### Auditing legacy reference data

An Operations Lead wants to know what historical datasets are available for migration testing. They use the `list_datasets` tool to get an inventory of all uploaded reference files before starting work.

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# Patterns to Avoid

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## Using static test data

### ✗ AVOID

Copy-pasting a small, fixed set of user records into the testing environment. This fails when trying to find edge cases or unique international identifiers.

### ✓ INSTEAD

Use the Mockaroo MCP tools. Ask your agent to ``generate_mock_data`` for 500 rows instead of copying five. That gives you volume and diversity.

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## Writing data validation code manually

### ✗ AVOID

Spending hours writing Python scripts just to create a list of realistic, valid email addresses or phone numbers for testing.

### ✓ INSTEAD

Use the MCP's built-in field intelligence. Simply ask your agent to ``list_field_types`` and then generate data using those specific types.

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## Forgetting existing templates

### ✗ AVOID

Starting from scratch every time because you don't remember the exact fields needed for a 'Sales Report'.

### ✓ INSTEAD

Check your saved structures first. Use ``list_schemas`` to recall and reuse the perfect blueprint, then use ``generate_from_schema``.

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## The Right Fit

Use this MCP if your core problem is generating high-volume, realistic test data for development or QA. You need diverse records that follow strict structural rules (like a database schema). If you only need five rows of placeholder text, don't use it; a simple prompt will do. But if you need to simulate 5,000 unique users with valid emails and addresses to stress-test an API, this is essential. Don't use it if your data needs to be real production information—it only creates mock records. If you are struggling with data modeling itself, check out the `list_field_types` tool before generating.

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## The Mess of Manual Test Data

Right now, testing means opening a spreadsheet or running a script that generates a handful of placeholder records. You're manually updating fields like names or dates to try and hit edge cases—the international phone number format, the unique date combination. It's time-consuming copy-pasting across multiple tabs just to make sure your system handles diverse data.

With this MCP, you talk to your agent about what kind of test load you need. You tell it: 'I need 100 users from Europe with valid business emails.' The agent uses the Mockaroo tools and instantly gives you a structured JSON output that is ready to feed directly into your testing pipeline. It cuts out all the manual spreadsheet work.

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## Mockaroo Gives You Data Structure Certainty

Before, if you needed a 'Sales Report' structure, someone had to manually build it and ensure every field was correct. If they missed the 'Region Code' or used the wrong data type for 'Revenue,' your whole test run failed before it even started.

Now, you simply use `list_schemas` to find or create a perfect template. The agent then guarantees that every single record generated via `generate_from_schema` adheres exactly to that established blueprint. You get reliable structure every time.

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# Mockaroo with 5 Tools

These tools allow you to manage the entire process of data generation, from listing available field types to creating massive, structured mock datasets.

#	TOOL	DESCRIPTION
01	<code>generate_mock_data</code>	Generate dummy data based on a list of fields
02	<code>generate_from_schema</code>	Generate data using a saved schema name
03	<code>list_datasets</code>	List uploaded datasets in Mockaroo
04	<code>list_schemas</code>	List saved schemas in your Mockaroo account
05	<code>list_field_types</code>	List all available field types for generation

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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** Generate 10 rows of mock data with 'id' (Row Number) and 'name' (Full Name) using Mockaroo.



I've generated 10 records for you! The data includes unique IDs and realistic names like 'John Doe' and 'Jane Smith'. Would you like the JSON output or more rows?

- U** List all my saved schemas in Mockaroo.



I've retrieved your schemas. You have 5 saved structures, including 'User Profile' and 'Sales Report'. Which one would you like to use for data generation?

- U** Generate 50 rows using my schema named 'TestUsers'.



Data generation complete! I've retrieved 50 rows following the 'TestUsers' structure. I can provide a summary of the generated records if you'd like.

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## Frequently Asked Questions

### 01 How do I generate mock data with Mockaroo using my AI client?

You simply instruct your agent to create records, specifying the number of rows and which fields you want. The agent handles calling `generate_mock_data` and gives you JSON right away.

### 02 What is the difference between generating data with Mockaroo's schemas vs. specific fields?

Using a saved schema (`generate_from_schema`) guarantees consistency because it follows a defined blueprint. Using specific fields lets you customize and build records ad-hoc for one-off tests.

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**03 Does Mockaroo help me find what kinds of data I can use?**

Yes, the `list\_field\_types` tool pulls a comprehensive catalog of every available marker—everything from 'zip code' to 'full name'—so you know exactly what your test suite can handle.

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**04 Can I list my saved mockaroo schemas in Mockaroo?**

Absolutely. Use the `list\_schemas` tool. This lets you audit all the data structures you've built and keeps them organized for later use when generating new test batches.

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**05 Is Mockaroo suitable for large-scale testing?**

Yes, it excels at scale. You can generate thousands of records instantly using `generate\_mock\_data` without having to manually build or copy the data sets.

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

Log in to your **Mockaroo account** ([https://mockaroo.com/api\\_keys](https://mockaroo.com/api_keys)), and you will find your API Key on the API Keys page. Copy and paste it below.

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**07 Can the agent use my saved schemas?**

Yes. Use the `generate\_from\_schema` tool providing the name of your saved schema. Your agent will generate data following that specific structure instantly.

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**08 Is it possible to list all available field types?**

Yes. The `list\_field\_types` tool returns the full catalog of Mockaroo field types, allowing you to audit available markers for your data generation.

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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



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 `"mockaroo": { "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

# Mockaroo 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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