

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Fishing Catch Rate Calculator MCP

Track your fishing efficiency and compare locations instantly.

Fishing Catch Rate Calculator MCP lets your AI client handle all your fishing productivity math. Instead of manual logs, you can use your agent to calculate catch rates per hour, aggregate session data, and compare different spots or methods to see where you're actually most productive.

A+ Quality Score 100/100

fishing

catch-rate

productivity

analytics

efficiency



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.

Fishing Catch Rate Calculator MCP

4 tools available

Cloud-hosted on Vinkius

Stop guessing which fishing spots or methods are actually working. This MCP gives your AI client the math tools needed to turn raw fishing logs into actionable data. You can feed your agent session details, and it will immediately calculate your hourly catch rate or provide a high-level summary of your recent activity. If you have specific productivity targets, your agent can check your current rates against those goals to see if you're hitting your marks. It also makes deciding where to fish next much easier by comparing the productivity of different locations or techniques. It's a simple way to move from just catching fish to actually understanding your efficiency.

Core Capabilities

01 — Hourly Rate Calculation

Your agent calculates fish caught per hour for any given session.

02 — Productivity Aggregation

Your agent summarizes multiple fishing records into a single overview.

03 — Goal Tracking

Your agent compares current catch rates against your defined efficiency targets.

04 — Location Comparison

Your agent evaluates which fishing spots or methods are more productive.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/fishing-catch-rate-calculator — connect your AI agent in three steps.

- 01
- Connect the MCP to your preferred client like Claude or Cursor via Vinkius.
- 02
- Provide your fishing session data to your AI agent.
- 03
- Ask your agent to calculate rates, compare spots, or check goals.
- 04
- Receive instant mathematical breakdowns and productivity summaries.

Connecting this MCP to your AI client gives your agent immediate access to fishing analytics tools.

Built For

This MCP is built for anyone who wants to apply data analysis to their fishing trips.

Anglers

Use the MCP to track catch rates and find the best fishing spots.

Fishing Researchers

Hand off session data to your agent to analyze productivity trends.

Data-Driven Hobbyists

Use the tools to validate if your fishing methods meet specific efficiency goals.

What Changes When You Connect

- 01
- Eliminates manual math by letting your agent calculate catch rates.
- 02
- Identifies the most productive fishing locations through direct comparison.
- 03
- Tracks progress toward efficiency goals automatically.

04 Provides high-level summaries of multiple fishing sessions at once.

Real-World Applications

Spot Selection

Compare two different lakes to see which one has a higher catch rate per hour.

Method Testing

Compare different fishing methods to determine which one is more efficient.

Performance Auditing

Check if your recent fishing sessions are meeting your personal productivity targets.

Trend Analysis

Get a summary of all recent fishing sessions to see your overall productivity levels.

Patterns to Avoid

Guessing productivity trends

❌ AVOID

You look at your notebook and assume you had a good day because you caught ten fish.

✓ INSTEAD

Use `get_session_summary` to see your actual performance across multiple records instead of relying on gut feeling.

Ignoring efficiency targets

❌ AVOID

You keep fishing the same spot even though you aren't hitting your personal catch goals.

✓ INSTEAD

Run `validate_fishing_efficiency` to see exactly how far your current rates are from your targets.

Blindly choosing locations

❌ AVOID

You head to a lake just because it's close to home without knowing if it's actually productive.

✓ INSTEAD

Use `compare_locations` to check if another spot or method would yield a better catch rate per hour.

The Right Fit

Connect this MCP if you keep fishing logs and want to optimize your time. If you just fish for relaxation and don't care about catch rates or efficiency, you don't need this. The deciding factor is whether you want to treat your fishing trips as data to be analyzed.

Fishing Catch Rate Calculator: 4 Specialized Tools

These tools turn raw fishing logs into clear performance metrics. Your agent uses them to calculate hourly rates, compare locations, and track efficiency goals.

#	TOOL	DESCRIPTION
01	compare_locations	This tool compares how productive two different fishing spots or methods are. It helps you decide which location yields a better catch rate.
02	get_catch_rate	This tool calculates the catch rate for a single fishing session. It tells you exactly how many fish you caught per hour.
03	get_session_summary	This tool provides a high-level overview of your fishing productivity. It aggregates multiple records to show your overall performance.
04	validate_fishing_efficiency	This tool checks if your current catch rate meets a specific target. It identifies the gap between your actual performance and your goals.

See It in Action

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

U I caught 15 fish in 3 hours. What is my catch rate?

 Your catch rate is 5.0 fish per hour.

U My current catch rate is 4.5 per hour. Is this enough to meet my target of 5.0?

 No, you have not met the target. The efficiency gap is 0.5.

U Which location is better: Location A with 10 fish in 2 hours, or Location B with 12 fish in 4 hours?

 Location A is more productive with a rate of 5.0 fish per hour compared to Location B's 3.0 fish per hour.

Frequently Asked Questions

01 How do I use this MCP with Claude?

You connect to the MCP through the Vinkius platform. Once connected, Claude can use the tools to perform all the fishing math for you.

02 Can I compare different fishing methods?

Yes. The `compare_locations` tool allows you to compare the productivity of different locations or methods.

03 What does the catch rate calculation include?

The `get_catch_rate` tool calculates the number of fish caught per hour for a specific session.

04 Can I set efficiency targets?

Yes. You can use the `validate_fishing_efficiency` tool to see if your current catch rate meets your specific goals.

05 Do I need to host the MCP myself?

No. Vinkius hosts and manages the MCP for you, so it is ready to use as soon as you connect your client.

06 How do I calculate my catch per hour?

You can use the `get_catch_rate` tool by providing the total number of fish caught and the total hours spent fishing.

07 Can I compare two different fishing spots?

Yes, use the `compare_locations` tool to determine which location has higher productivity.

08 How can I see my overall performance across many trips?

The `get_session_summary` tool allows you to aggregate multiple catch records into a single overview.

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>"fishing-catch-rate-calculator": { "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

Fishing Catch Rate Calculator 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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DOCUMENT INFORMATION

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Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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