

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

Pet Collar Sizing Utility MCP

Match neck measurements to the right collar sizes every time.

Pet Collar Sizing Utility helps you avoid wrong orders by matching pet neck measurements to specific collar sizes. Your AI client uses this MCP to browse the catalog, check if a specific collar fits, find the best options for a certain measurement, and see what sizes are available in specific tiers.

A+ Quality Score 100/100

pet-care

sizing

collar

measurement

fit



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.

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.

Pet Collar Sizing Utility MCP

4 tools available

Cloud-hosted on Vinkius

Getting the right collar size is the difference between a comfortable pet and a frustrated one. This MCP gives your AI client the data it needs to handle sizing questions accurately. Instead of guessing, your agent can pull real data from the catalog to verify if a specific collar will fit a pet's neck or search for all available options that meet a specific measurement. You can also use it to check which collars fall into certain sizing tiers to see what's in stock or available for a specific size range. It turns a guessing game into a precise calculation.

Core Capabilities

01 — Fit Verification

Your agent checks a specific collar against a pet's neck measurement.

03 — Option Discovery

Your agent finds every collar that matches a specific neck size.

02 — Catalog Browsing

Your AI client retrieves all available sizes from the sizing catalog.

04 — Tier Analysis

Your agent summarizes the range of sizes covered by a specific tier.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/pet-collar-sizing-utility — connect your AI agent in three steps.

- 01
- Connect the MCP to your preferred client like Claude or Cursor via Vinkius.
- 02
- Provide the pet's neck measurement to your AI agent.
- 03
- The agent uses the sizing tools to query the catalog.
- 04
- The agent returns the specific collar fits or available tiers.

Connect the MCP to your client and start asking questions about collar sizes.

Built For

This is built for anyone managing pet supplies or customer inquiries regarding sizing.

E-commerce Managers

They hand off sizing verification tasks to their AI agent.

Pet Supply Retailers

They use the AI to answer customer questions about collar fit.

Customer Support Agents

They use the tool to ensure customers order the correct size.

What Changes When You Connect

- 01
- Eliminates sizing errors by using exact neck measurements.
- 02
- Speeds up product searches for specific pet sizes.
- 03
- Provides clear tier availability for easier catalog navigation.

Real-World Applications

Customer Support

An agent uses the tool to tell a customer if a specific collar fits their dog's neck.

Inventory Planning

A manager checks tier availability to see which size ranges are most populated.

Automated Shopping

An AI agent finds all suitable collar options for a user's specific measurement.

Product Matching

A user verifies if a collar they already own is the right size for a new pet.

Patterns to Avoid

Guessing based on breed

❌ AVOID

An agent tells a customer a collar will fit because they have a Golden Retriever.

✓ INSTEAD

Always use the actual neck measurement with `check_fit_compatibility` to ensure the collar actually fits.

Manual catalog searching

❌ AVOID

A support agent scrolls through a massive spreadsheet to find which collars fit a 12-inch neck.

✓ INSTEAD

Use `find_best_fitting_collars` to instantly pull every matching option from the catalog.

Vague sizing inquiries

❌ AVOID

Asking the AI if the 'small' size is available without knowing the specific dimensions.

✓ INSTEAD

Run `get_collar_sizes` first to see the exact measurement ranges available in the catalog.

The Right Fit

Connect this MCP if you manage pet supply inventory or run a customer support team that handles sizing questions. Do not connect it if you only sell one-size-fits-all products. The decision

rests on whether you need to match specific neck measurements to a product catalog.

Pet Collar Sizing Utility 4 Tools

These tools give your agent direct access to the sizing catalog to verify fit, find options, and analyze size tiers.

#	TOOL	DESCRIPTION
01	find_best_fitting_collars	This tool searches the catalog for all collars that fit a specific neck measurement.
02	get_collar_sizes	This tool pulls the full list of available collar sizes from the catalog.
03	summarize_tier_availability	This tool provides a summary of the sizing coverage for a specific tier.
04	check_fit_compatibility	This tool checks if a specific collar will fit a pet's neck measurement.

See It in Action

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

U What collars are available in the Small tier?



The Small tier includes the Puppy Comfort Collar and the Tiny Tail Guard.

U Will a collar with ID 'collar-123' fit a pet with a 15cm neck?



Yes, the collar-123 is a Perfect Fit for a 15cm neck measurement.

U Find me collars that fit a 25cm neck measurement.



The following collars fit a 25cm neck: Standard Fit Pro (Tier: Standard) and Active Pet Collar (Tier: Standard).

Frequently Asked Questions

01 How do I use this MCP with Claude?

You connect to the MCP through the Vinkius platform, which hosts the tool for you. Once connected, your Claude client can immediately use the sizing tools.

02 Can I check if a specific collar fits my pet?

Yes, you can use the `check_fit_compatibility` tool to compare a specific collar ID against a neck measurement.

03 What if I don't know which collar to buy?

You can use the `find_best_fitting_collars` tool to see a list of all collars that match your pet's neck size.

04 Does this MCP work with Cursor or Windsurf?

Yes, this MCP is compatible with any MCP-compatible client, including Cursor and Windsurf.

05 How do I see what sizes are in a specific tier?

Use the `summarize_tier_availability` tool to get a summary of the sizing coverage for any tier.

06 How do I know if a collar will fit my pet?

You can use the `find_best_fitting_collars` tool by providing your pet's neck measurement to see all compatible options.

07 Can I filter collars by size category?

Yes, the `get_collar_sizes` tool allows you to filter the catalog by specific tiers like Small, Medium, or Large.

08 What information is provided for a specific collar fit?

Using `check_fit_compatibility` will return the collar name, whether it is compatible, and a fit status description.

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>"pet-collar-sizing-utility": { "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

Pet Collar Sizing Utility 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	https://edge.vinkius.com/{token}/mcp

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