MCP SERVER | NO CODE | CLOUD HOSTED

Pet Weight Calculator MCP

Determine if your pet is truly at the perfect weight.

Pet Ideal Weight Calculator determines if an animal is underweight, ideal, or overweight by comparing its current weight against scientifically derived biological ranges. This MCP uses species, breed, and sex data to give precise health status checks for dogs and cats.

A+ Quality Score 100/100

pet-health | weight-calculator | animal-care | veterinary | fitness

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vinkius.com/mcp/pet-ideal-weight-calculator

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.

Pet Ideal Weight Calculator MCP

3 tools available
Cloud-hosted on Vinkius

Need to check a pet's weight without guessing? This MCP helps owners monitor their animal's health using specific canine and feline metrics. You simply ask your agent to assess the weight, providing details like the pet's species, breed, sex, and current mass. The system first pulls breed data from the catalog—you might need to check which animals are supported by running the list of supported species tool. Then, it uses that information to analyze the pet's health status, comparing the input weight against established ideal ranges. For example, you can ask if a 35kg male Golden Retriever is overweight; the MCP handles the complex calculations and returns a clear classification along with the target range. Connecting this through Vinkius gives your AI client instant access to veterinary-grade data without needing specialized software or manual lookups.

Core Capabilities

01 — Identify supported animal species

Retrieves a definitive list of all pet types the calculator supports, ensuring you use the correct input.

02 — Retrieve breed weight data

Pulls specific breeds and their corresponding ideal weight ranges based on the animal's species.

03 — Determine pet health status

Analyzes a given pet's current weight against its biological ideal range, classifying it as Underweight, Ideal, or Overweight.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/pet-ideal-weight-calculator** — connect your AI agent in three steps.

01 First, you tell your agent the animal's species and request the available breeds using the list supported species tool.

02 Next, provide the breed name to get a specific catalog of weight ranges for that pet type via the get breed catalog tool.

03 Finally, input the pet’s current weight, sex, and breed details into the analyze pet health tool to receive an instant status report.

The bottom line is you get a clear, data-backed classification of your pet's weight status without manual calculation or guesswork.

Built For

Veterinary technicians and concerned pet owners need this. It solves the problem of relying on generic charts when assessing an animal’s health, providing precision based on breed standards.

Pet Owner

Uses this to check their dog or cat's weight after a diet change or period of growth, verifying if they are keeping up with the recommended target range.

Veterinary Assistant

Quickly cross-references client records and current weights against breed standards to provide preliminary health status assessments for the vet.

What Changes When You Connect

01 Get precise classifications: Instead of just guessing, you use analyze pet health to classify a pet as Underweight, Ideal, or Overweight using breed-specific data.

02 Confirm species support immediately. You can run list supported species whenever you need to verify which animals the tool handles before starting any assessment.

03 Access comprehensive breed standards: The get breed catalog tool pulls established weight ranges for specific breeds, making your recommendations accurate and reliable.

04 Saves time on repeat checks. If a pet's status changes slightly, running analyze pet health with the updated weight provides an instant, data-backed comparison.

05 Eliminates guesswork when advising owners. Your AI client handles the complex cross-referencing of species, breed, and sex to give one definitive answer.

Real-World Applications

Weight change after injury

A pet owner's dog is recovering from surgery. They ask their agent if the current 25kg weight is appropriate for a Beagle male, and the MCP uses analyze pet health to confirm if it falls within the ideal range (e.g., recommending it should be 20kg - 24kg).

Need breed-specific data

You need to confirm the target range for a specific type of cat. You run get breed catalog, which provides the necessary weight metrics so you can accurately check the pet's health status later.

New exotic pet owner

A user needs to know what kinds of animals can be analyzed for weight health. They use list supported species first, verifying that the tool accepts Cat and Dog before attempting any diagnosis.

Patterns to Avoid

Using generic weight charts

✗ AVOID

A person assumes a 20kg Bulldog is fine because it looks 'normal,' ignoring breed-specific needs.

✓ INSTEAD

Always use analyze pet health. The tool takes the specific breed (Bulldog) into account, telling you the ideal range for that type of dog instead of providing a general estimate.

Forgetting to specify sex

✗ AVOID

The user only provides weight and breed name but forgets if the pet is male or female.

✓ INSTEAD

Ensure you provide all details, including sex. The MCP needs this data point because ideal weights often differ significantly between males and females for certain breeds.

Skipping species verification

✗ AVOID

Attempting to analyze a pet that isn't supported (e.g., a reptile) without checking the tool limits.

✓ INSTEAD

Start by running list supported species to confirm your animal type is accepted before trying to use any weight analysis tools.

The Right Fit

Use this MCP if you need precise, breed-specific health assessments for common pets like dogs and cats. If the status of a pet's weight depends on its specific breed or sex, this tool is necessary. Don't use it if you are simply tracking general body mass changes over time without reference to established standards; those basic trackers will suffice. Also, don't use it for exotic animals unless they are explicitly listed by running list supported species. You must have the pet's breed and sex information readily available to get meaningful results from analyze pet health.

Figuring out if your pet is at a healthy weight shouldn't require an encyclopedia.

Most owners rely on general advice or visual estimates when checking their pet’s condition. This involves comparing the animal to a vague, standard chart that doesn't account for specific genetic variations. You end up guessing if 'average' really means anything when you compare breeds.

With this MCP, your agent does the heavy lifting. You simply provide the key details—species, breed, and weight—and the system uses get breed catalog to pull in the exact scientific range needed. You instantly get a clear classification of where they stand.

Analyze Pet Health: Get an instant status update.

Before, checking weight meant cross-referencing multiple sources to ensure the chart applied only to your pet's specific breed and sex. You risked using a generic range that was wrong for their genetics.

Now, you pass the data into analyze pet health. It handles all the complex logic internally, giving you one definitive answer: Underweight, Ideal, or Overweight. That’s it.

Pet Ideal Weight Calculator (3 Tools)

These tools let you list supported species, get specific breed weight catalogs, and analyze a pet's current health status based on multiple parameters.

#	TOOL	DESCRIPTION
01	`get_breed_catalog`	Fetches a list of breeds and their specific weight ranges within a given animal species.
02	`list_supported_species`	Lists all the types of animals, like Dog or Cat, that the calculator can process.
03	`analyze_pet_health`	Takes weight and breed details to classify a pet's health status as Underweight, Ideal, or Overweight.

See It in Action

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

U Is my Golden Retriever male weighing 35kg overweight?

A 35kg male Golden Retriever is classified as Overweight. The ideal weight range for this breed and sex is 29kg - 34kg.

U What is the ideal weight for a female Siamese cat weighing 3kg?

A 3kg female Siamese cat is classified as Underweight. The target range is 3.5kg - 4.5kg.

U Check the health status of a 20kg male Bulldog.

A 20kg male Bulldog is classified as Underweight. The ideal range for this breed and sex is 23kg - 28kg.

Frequently Asked Questions

01 **How do I check my pet's weight status?**

You can use the `analyze_pet_health` tool by providing the species, breed, sex, and current weight of your pet.

02 **What species are supported?**

You can use the `list_supported_species` tool to see a complete list of all animals currently in our database.

03 **How do I find the correct breed name?**

Use the `get_breed_catalog` tool with a specific species name to retrieve all available breeds and their weight ranges.

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 `"pet-ideal-weight-calculator": { "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

Pet Ideal Weight 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	`https://edge.vinkius.com/{token}/mcp`

LICENSE & USAGE

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