

MCP SERVER

NO CODE

CLOUD HOSTED

Pet Age Converter MCP

Accurate biological aging for dogs and cats.

Pet Age Converter calculates accurate human-equivalent ages for dogs and cats. It uses detailed, species-specific biological growth curves instead of simple math. You can determine a pet's true age based on breed size or simply identify its current life stage (like Puppy or Senior).

A+ Quality Score 100/100

pet-age

biology

dogs

cats

veterinary

aging-calculator



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 Age Converter MCP

3 tools available

Cloud-hosted on Vinkius

Calculating a pet's age isn't as simple as multiplying years by seven. This MCP uses sophisticated, non-linear biological models to give you an accurate human equivalent age for dogs and cats. Instead of guessing, it accounts for the complex aging process unique to different species and even specific dog breeds. For instance, when figuring out a large breed puppy's progress, this MCP applies a model that changes with size. Need to know if your pet is in its Prime or Senior years? It handles that too. You connect to Vinkius and gain instant access to this biological engine alongside thousands of other tools. It gives you the concrete data needed for better care planning, moving beyond common myths about animal aging.

Core Capabilities

01 — Determine human age from a cat's years

The tool converts a given number of cat years into their estimated equivalent human age.

02 — Calculate human age from a dog's years

It takes a dog's current age and breed size to output an accurate estimate of its human-equivalent age.

03 — Identify the pet's biological life stage

The system checks the provided data and returns the pet's recognized life stage, such as Puppy, Adult, or Senior.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/pet-age-converter — connect your AI agent in three steps.

- 01 Input the pet's current age, species (dog/cat), and if applicable, its breed size.
- 02 The MCP runs the data through complex biological growth curves tailored to that specific animal type.
- 03 You receive a clear output: either the estimated human-equivalent age or the recognized life stage.

The bottom line is you get scientifically backed estimates, not general guesses.

Built For

Veterinarians and veterinary assistants who need precise data for client consultations. Also ideal for animal shelters or pet care services needing consistent aging metrics.

Veterinary Technician

Using this MCP, you can quickly calculate a patient's estimated human age during intake notes or recommend appropriate products based on their specific life stage.

Animal Shelter Coordinator

You determine the biological milestone of newly arrived animals using ``get_pet_life_stage`` to accurately assess care needs and vet timelines.

What Changes When You Connect

- 01 Stop relying on generalized myths. By using `convert_dog_age`, you get results that factor in the dog's breed size, providing a far more accurate estimate than simple calculators.

-
- 02 Quickly classify care needs with `get_pet_life_stage`. This tool immediately identifies if an animal is Senior or Adult, guiding immediate recommendations for dietary changes or preventative care.

 - 03 Handle feline aging accurately. The `convert_cat_age` tool applies a unified maturation curve, giving you reliable human-equivalent ages for your cat patients.

 - 04 Save time on client calls. Instead of spending minutes looking up complex biological data, you run the inputs through this MCP and get a precise age estimate in seconds.

 - 05 Support better records. Using these tools ensures that all pet records maintain consistency by using standardized, biologically accurate aging metrics.
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Real-World Applications

Determining product recommendations for an older dog

A client asks how old her 12-year-old Labrador really is. You use `convert_dog_age` to show her that, biologically speaking, he's closer to a human in his late 40s. This instantly shifts the conversation from just 'age' to specific care needs for large senior breeds.

Creating detailed pet profiles for a new client

A groomer needs to know if a dog is past its Prime. You use `get_pet_life_stage` first, confirming the 'Adult' status, then use `convert_dog_age` to give the owner a more meaningful context about the dog's physical development.

Assessing a newly rescued kitten's health status

A shelter receives a litter of kittens and needs to know which ones are ready for adoption. You run `get_pet_life_stage` on the data, instantly separating the 'Puppy' stage from 'Adult', allowing staff to prioritize vaccinations and resources.

Patterns to Avoid

Using simple year multipliers

X AVOID

Telling an owner that their 3-year-old mixed-breed dog is '21 years old' because they simply multiplied 3 by 7.

✓ INSTEAD

Use `convert_dog_age`. This MCP uses breed size and complex curves, giving a scientifically backed estimate instead of relying on generalized multiplication.

Ignoring the pet's current phase

X AVOID

Assuming every 5-year-old cat is in its peak prime without checking its life stage.

✓ INSTEAD

Always run `get_pet_life_stage` first. This confirms if the animal is transitioning into Senior or remains fully Adult, giving you necessary context.

Treating cats and dogs the same

X AVOID

Applying a dog-based aging model to a feline patient.

✓ INSTEAD

Use `convert_cat_age` for all felines. This MCP has separate, specialized curves designed specifically for the unique biology of cats.

The Right Fit

Use this MCP if you need precise biological data about pet aging—specifically when breed size or species-specific maturation curves matter (e.g., distinguishing a large dog's age from a small dog's). Don't use it if your only goal is simple date calculation; for that, any basic calculator works fine. However, if you are dealing with veterinary notes or client consultations where accuracy matters, this MCP provides the necessary depth. For instance, if you need to know *if* an animal qualifies as a Senior pet, always run `get_pet_life_stage` before calculating age using either `convert_dog_age` or `convert_cat_age`. This ensures your findings are properly categorized first.

Calculating Pet Age Without the Right Tools

Most people default to a simple calculation: take the years and multiply them by seven. You'll see vets or even pet owners making this mistake, which leads to inaccurate care recommendations because they're working with rough estimates instead of real biological data.

With this MCP, you skip the guesswork entirely. You input the animal's details—its species, its age, and sometimes its size—and get a calculated human-equivalent age based on actual scientific growth models. You walk away with reliable data for every client.

Get Accurate Ages with Pet Age Converter

The biggest time sink is manually cross-referencing aging charts or calling resources just to confirm if a pet qualifies as Senior. That's wasted time and potential billing errors.

Now, you run the inputs through `convert_dog_age` or `convert_cat_age`. You get an instant, accurate age estimate that lets you move immediately to diagnosis or treatment planning.

Pet Age Converter: 3 Tools

These tools let you calculate estimated human ages or determine the current biological life stage of your dog or cat.

#	TOOL	DESCRIPTION
01	<code>convert_cat_age</code>	Converts a cat's age into its estimated human equivalent years.
02	<code>convert_dog_age</code>	Calculates a dog's human-equivalent age based on breed size and current years.
03	<code>get_pet_life_stage</code>	Determines if the pet is currently in its Puppy, Adult, or Senior life stage.

See It in Action

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

U How old is a 3-year-old small dog in human years?



A 3-year-old small dog is approximately 28 years old in human years.

U What is the human age of a 5-year-old cat?



A 5-year-old cat is approximately 36 years old in human years.

U Is a 10-year-old large dog considered a senior?



Yes, a 10-year-old large dog is in the Senior life stage.

Frequently Asked Questions

01 How does Pet Age Converter handle dog breed size?

The `convert_dog_age` tool accounts for breed size. It doesn't use one uniform model; it adjusts the calculation based on whether the dog is small, medium, or large.`

02 Can I find out if a cat is senior using `convert_cat_age`?`

While `convert_cat_age` provides an age estimate, you should also run get_pet_life_stage`. This tool explicitly confirms the biological status (Senior, Adult, etc.).`

03 What inputs does get_pet_life_stage require?

You need to provide the pet's current age and species. The MCP then checks those details against established veterinary guidelines to classify its stage.

04 Is Pet Age Converter better than a simple online calculator for dogs?

Yes, because this MCP uses complex biological curves that factor in breed size and growth patterns, unlike basic calculators that use generalized math only.

05 Does convert_cat_age work for all types of cats?







The tool implements a unified feline maturation curve. While it's highly accurate, always confirm the results with your professional judgment regarding specific breed health notes.

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-age-converter": { "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 Age Converter 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 · support@vinkius.com

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