MCP SERVER | NO CODE | CLOUD HOSTED

Pet Lifespan Estimator MCP

Know exactly how long any pet should live.

The Pet Lifespan Estimator lets you calculate how long various pets are expected to live. Just input a species, breed, and size, and it gives you the minimum, maximum, and average lifespan years. It also tracks life stages—juvenile, adult, or senior—for any pet's current age. You can check if a specific combination is supported or list all available breeds for a given animal type.

A+ Quality Score 100/100

pets | lifespan | animals | breed | biology

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vinkius.com/mcp/pet-lifespan-estimator

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 Lifespan Estimator MCP

3 tools available
Cloud-hosted on Vinkius

Need to know how long your dog or cat will live? This MCP handles the biological math behind expected pet longevity. Instead of relying on vague internet averages, you get hard data: minimums, maximums, and averages based on breed science. You can check if a certain breed is even supported before starting, and then calculate the full range for any specific animal. It also tells you what life stage your pet falls into right now—juvenile, adult, or senior. This level of biological detail is tough to find anywhere else; it's why having this MCP available within Vinkius makes complex data accessible through your agent. You simply ask the question, and the system gives you a clear picture of what to expect.

Core Capabilities

01 — Determine Expected Lifespan

It provides the minimum, maximum, and average years of life for an animal based on its breed characteristics.

02 — Identify Life Stage

The tool calculates whether a pet is currently classified as juvenile, adult, or senior given its current age.

03 — Check Breed Validity

You can confirm if the combination of a specific breed and size you're using is recognized in the database.

04 — List All Available Breeds

This allows you to fetch every supported breed name for an entire animal species.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/pet-lifespan-estimator** — connect your AI agent in three steps.

01 Start by specifying the pet's species and attempting to estimate its life using the relevant tool.

02 If the initial data is incomplete, you can ask your agent to first list all available breeds for that species or verify if a specific breed combination is supported.

03 The system returns a clear range of years (min/max) and identifies the pet's current life stage.

The bottom line is, instead of guessing based on general advice, you get precise, structured data about pet longevity.

Built For

Veterinary assistants and animal welfare content creators need this. If your job involves providing health or care guidance to pet owners, you're tired of giving generalized advice that might be inaccurate. This MCP gives you the scientific backing needed for reliable recommendations.

Veterinary Assistant

You use this to quickly verify expected lifespans and life stage markers when advising owners on routine care or preventative health plans.

Pet Blogger/Content Creator

You rely on it to generate scientifically accurate articles about breed longevity, ensuring your content is fact-checked before publication.

What Changes When You Connect

01 Get precise longevity numbers. Instead of vague estimates, use `estimate_lifespan` to pull the exact minimum, maximum, and average years for a breed.

02 Pinpoint life stages instantly. The tool tells you if a pet is juvenile, adult, or senior based on its current age, which is vital for care recommendations.

03 Avoid bad data upfront. Before drafting content, use `verify_breed_validity` to check if the specific size/breed combo your client mentions is even recognized.

04 Build out comprehensive guides. Use `list_breeds_by_species` to pull every single supported breed name for an entire species in one go.

05 Save research time. You stop cross-referencing multiple vet sites and get all the core biological data points through a single query.

Real-World Applications

Writing a Breed Guide

A pet blogger needs to write an article on dog breeds. Instead of manually searching for dozens of names, they ask their agent to run `list_breeds_by_species` first, getting a full list. Then, they iterate through the most popular ones using `estimate_lifespan` to populate accurate lifespan data.

Advising on Senior Care

A veterinary assistant has a patient who is 10 years old. They use the MCP to check the pet's current life stage, confirming it's 'senior,' which immediately directs them to geriatric care protocols.

Validating Client Data

A content manager receives a request about a rare breed they think is supported. They use `verify_breed_validity` first, getting an immediate 'yes' or 'no,' which saves hours of follow-up research.

Comparing Species Care

A user wants to compare the average lifespan of a cat versus a dog. They query `list_breeds_by_species` for both, then run `estimate_lifespan` on representative breeds from each group to get a reliable comparison.

Patterns to Avoid

Using general knowledge

✗ AVOID

Saying 'Dogs usually live 10-13 years.' This is too vague, and you can't cite it in professional content.

✓ INSTEAD

Use the MCP. Run `estimate_lifespan` with specific parameters to generate a cited range (e.g., 12-15 years). If unsure about the breed, use `verify_breed_validity` first.

Guessing life stages

✗ AVOID

Assuming a dog aged 6 is 'middle age.' Life stage classification depends on specific biological metrics.

✓ INSTEAD

Use the MCP's inherent logic to calculate and identify the pet's exact life stage (juvenile, adult, or senior) based on its current age.

Ignoring breed limitations

✗ AVOID

Writing content about a niche dog that isn't in your database. This makes you look unreliable.

✓ INSTEAD

Before writing, always use `list_breeds_by_species` to confirm the full list of supported breeds for accuracy.

The Right Fit

Use this MCP if your workflow requires specific, data-backed answers about pet biology—for instance, determining an expected lifespan or validating breed existence. It's perfect for veterinary content writers, academic research, and detailed guides. Don't use it if you just need general advice (e.g., 'Feed them good food'). If the task is simple classification based on common knowledge, don't bother. You must have a specific pet attribute (species, breed, size, age) to run one of its tools effectively.

The guesswork in animal care content is exhausting.

Right now, writing about pets means cross-referencing multiple general guides. You find a

With this MCP, you eliminate that research debt. Your agent handles the checks, pulling definitive

breed name on one site, but the lifespan data points to a different range on another. You spend time manually checking if that niche breed is even recognized by authoritative sources.

minimums, maximums, and averages in seconds. You just get clean, reliable data ready for your article.

Pet Lifespan Estimator gives you verifiable biological facts.

You no longer have to manually list every possible breed name or worry if a client's input is accurate. Running `list_breeds_by_species` quickly builds your entire content database, and using `verify_breed_validity` instantly confirms data legitimacy.

The difference is reliable output. You stop publishing general advice; you publish fact-checked, scientifically supported guides.

Pet Lifespan Estimator with 3 Tools

These tools let you scientifically determine a pet's expected lifespan, list supported breeds, or validate specific animal attributes.

#	TOOL	DESCRIPTION
01	`estimate_lifespan`	Calculates the expected minimum, maximum, and average lifespan years for a specific pet breed.
02	`list_breeds_by_species`	Retrieves a comprehensive list of all recognized breeds available within an entire animal species.
03	`verify_breed_validity`	Confirms whether the combination of a pet's breed and size is supported by the system's database.

See It in Action

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

U What is the expected lifespan for a small Golden Retriever that is 3 years old?

A small Golden Retriever is expected to live between 12 and 15 years, with an average lifespan of 13.5 years. Currently, your pet is in the adult life stage.

U Is the 'Siamese' breed supported for cats?

Yes, the Siamese breed is a valid entry in our registry for cats.

U List all available breeds for the species 'Dog'.

Available breeds for Dogs include: Golden Retriever, Labrador, Poodle, Beagle, and Bulldog.

Frequently Asked Questions

01 **How do I use the Pet Lifespan Estimator to find out what breeds exist?**

Use `list_breeds_by_species` and specify the animal type you are interested in. This tool will return a full list of all recognized breeds for that species.

02 **Can I use estimate_lifespan if I don't know the pet's exact age?**

Yes, `estimate_lifespan` primarily uses breed data to give a range. You can also combine this with other tools to determine life stages based on general benchmarks.

03 **What if my client mentions an unusual pet breed? Does verify_breed_validity check it?**

Absolutely. If the breed or size combination is not in the system's registry, `verify_breed_validity` will tell you immediately that it isn't supported.

04 **Does this MCP only work for dogs? What about cats?**

No. The tool works across multiple species; just ensure you specify the correct animal type when calling `list_breeds_by_species` or running an estimate.

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-lifespan-estimator": { "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 Lifespan Estimator 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 →

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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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