

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 Vaccine Date Scheduler MCP

Automate immunization schedules and booster timing for veterinary care.

Pet Vaccine Date Scheduler MCP handles the math behind immunization timelines. It calculates specific due dates, generates multi-dose booster series, and checks if current vaccinations are still valid. Your AI client uses this to manage pet health records and schedule future appointments without manual date calculations.

A+

Quality Score 100/100

pets

vaccines

veterinary

scheduling

immunization



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 Vaccine Date Scheduler MCP

4 tools available

Cloud-hosted on Vinkius

Managing immunization cycles shouldn't involve manual calendar math. This MCP gives your AI client the ability to handle complex veterinary scheduling tasks instantly. You can use it to build out full booster sequences for puppies or kittens, or simply check if a pet's current shot is still active based on the time elapsed since their last dose. It also provides access to standard immunization intervals for core and non-core vaccines, so you don't have to look up the rules every time. Whether you are managing a single clinic or a large practice, your agent can now handle the heavy lifting of calculating next due dates and maintaining accurate immunization logs.

Core Capabilities

01 — Booster Sequencing

Your agent builds full multi-dose schedules for pets starting from a single date.

02 — Validity Verification

The AI checks if a pet's current immunization status is still active.

03 — Due Date Calculation

Your client finds the exact date for the next required vaccine dose.

04 — Standard Interval Lookup

The AI retrieves default immunization intervals for different vaccine types.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/pet-vaccine-date-scheduler — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Ask your AI client to calculate a vaccination date or series.
- 03 The AI uses the MCP tools to perform the specific math or lookup.
- 04 The AI provides the calculated dates or validity status directly in your chat.

Connect your AI client to Vinkius to start managing schedules immediately.

Built For

Veterinary professionals use this MCP to automate the math behind pet immunization schedules.

Veterinary Technicians

They hand off scheduling and booster sequence generation to the AI.

Clinic Managers

They use the AI to verify vaccine validity and manage patient records.

Veterinarians

They rely on the AI to quickly pull standard vaccine intervals for core and non-core shots.

What Changes When You Connect

- 01 Eliminates manual date calculations for multi-dose series.
- 02 Provides instant verification of current vaccine status.
- 03 Standardizes immunization intervals across different vaccine types.

04 Automates the creation of future appointment dates.

Real-World Applications

Puppy Vaccination Plans

Generate a full series of dates for a puppy's initial round of shots.

Client Communication

Tell owners exactly when their pet's next booster is due based on their last visit.

Compliance Audits

Check if a pet's vaccination is still valid before a boarding or grooming appointment.

Protocol Standardization

Use default intervals to ensure all core vaccines follow the same timing rules.

Patterns to Avoid

Manual Math Errors

❌ AVOID

A technician tries to manually calculate a three-dose puppy series on a notepad. They miscount the weeks between shots and book the client for the wrong date.

✓ INSTEAD

Let your agent handle the math by using `calculate_booster_series` to generate the entire sequence at once.

Guessing Vaccine Expiration

❌ AVOID

A front desk staffer assumes a rabies shot is still good because the pet was here last month. They don't check the actual elapsed time since the last dose.

✓ INSTEAD

Use `check_vaccine_validity` to get an immediate answer on whether a pet's current status is still active.

Searching for Interval Rules

❌ AVOID

A vet spends time looking through a physical handbook to find the standard interval for a non-core vaccine. This slows down the exam room flow.

✓ INSTEAD

Have your agent pull the correct timing instantly with `get_vaccine_type_defaults`.

The Right Fit

Veterinary clinics and animal hospitals should connect this MCP to automate their scheduling math. Small mobile vets or large multi-doctor practices will find it useful. If you already have a custom-built, perfectly automated scheduling system that handles all booster logic, you don't need this.

Pet Vaccine Date Scheduler Tools

These tools handle the math for immunization cycles and vaccine timing. Your agent uses them to build schedules and verify status.

#	TOOL	DESCRIPTION
01	calculate_booster_series	This tool generates a complete sequence of future vaccination dates for any multi-dose series.
02	check_vaccine_validity	Use this to determine if a pet's current vaccination status is still valid based on the time since their last dose.
03	get_next_vaccination_date	This tool calculates the specific date a pet needs their next vaccine dose based on a previous administration.
04	get_vaccine_type_defaults	This tool retrieves standard immunization intervals for common core and non-core vaccine categories.

See It in Action

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

U When is the next dose due if the last vaccine was on 2023-05-10 and the interval is 12 months?



The next vaccination date is 2024-05-10.

U Generate a 3-dose series starting on 2024-01-01 with 6 month intervals.



Dose 1: 2024-01-01, Dose 2: 2024-07-01, Dose 3: 2025-01-01.

U Is a vaccine administered on 2023-01-01 still valid if the required interval is 12 months and today is 2023-06-01?



Yes, the vaccine is still valid with 6 months remaining.

Frequently Asked Questions

01 How does this MCP calculate booster dates?

It uses the provided administration date and the specific interval to calculate the exact future dates for a multi-dose series.

02 Can I use this with Claude or Cursor?

Yes, you can connect this MCP to any MCP-compatible client like Claude, Cursor, or Windsurf through Vinkius.

03 Does it provide standard vaccine intervals?

Yes, the tool includes a function to retrieve standard immunization intervals for both core and non-core vaccine categories.

04 How do I check if a vaccine is expired?

You can use the validity tool to compare the time elapsed since the last dose against the required interval.

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 a full booster schedule?

You can use the ``calculate_booster_series`` tool by providing the initial dose date, the interval in months, and the total number of doses required.

07 Can I check if a vaccine has expired?

Yes, the ``check_vaccine_validity`` tool allows you to determine if a vaccine is still valid based on the last administration date and the required interval.

08 What vaccine categories are supported?

The tool supports standard categories such as core and non-core vaccines via the ``get_vaccine_type_defaults`` tool.

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-vaccine-date-scheduler": { "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 Vaccine Date Scheduler 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>

LICENSE & USAGE

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