

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 Tag Text Validator MCP

Stop wasting materials on engravings that don't fit.

Pet Tag Text Validator MCP handles the math and character checks for pet identification engravings. It ensures your messages stay within physical limits and use only supported characters, so you don't run into errors during the production process.

A+ Quality Score 100/100

pet-tags

character-count

engraving

validation

text-metrics



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 Tag Text Validator MCP

4 tools available

Cloud-hosted on Vinkius

If you're designing pet tags, you know the frustration of a message that looks great on screen but won't actually fit on the physical metal. This MCP solves that problem by giving your AI client the ability to run precise text metrics and fit checks. Instead of manually counting characters or guessing if a phone number will fit, you can just ask your agent to verify the text for you. It checks for character counts, whitespace, and even ensures you aren't using symbols that your engraving equipment can't handle. You can also run bulk analysis to compare different versions of a message, helping you pick the one that maximizes space without hitting the limits. It's a simple way to catch errors before they hit the engraving machine.

Core Capabilities

01 — Character Counting

Your agent calculates exact character and whitespace counts for any string.

02 — Fit Verification

The AI checks if text stays within the physical capacity of a specific tag.

03 — Character Validation

It flags any non-English characters that might break your engraving process.

04 — Bulk Comparison

You can analyze multiple text options simultaneously to find the best fit.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/pet-tag-text-validator — connect your AI agent in three steps.

- 01 Connect the MCP to your preferred client like Claude or Cursor.
- 02 Provide the text you want to check to your AI agent.
- 03 The agent uses the specific tool to run metrics or fit checks.
- 04 Receive the validation results or character counts immediately.

Connect the MCP to your AI client and start sending text for validation.

Built For

This MCP is built for anyone producing custom pet identification products.

Engraving Operators

They use the tool to verify text before starting a machine run.

E-commerce Product Designers

They use it to ensure customer custom text fits the product templates.

Pet Supply Manufacturers

They use it to automate text validation for bulk orders.

What Changes When You Connect

- 01** Prevents wasted materials from oversized text.
- 02** Eliminates manual character counting errors.
- 03** Catches unsupported characters before engraving starts.
- 04** Speeds up the selection of optimal text layouts.

Real-World Applications

Custom Order Verification

Check a customer's custom message to ensure it fits the tag they purchased.

Template Testing

Compare different phone number formats to see which fits best on small tags.

Data Cleaning

Filter out messages containing emojis or special characters that the engraver can't print.

Bulk Design Optimization

Run multiple variations of a pet's name and contact info to find the best layout.

Patterns to Avoid

Guessing physical space limits

❌ AVOID

You type a long phone number into a small tag design and assume it will look fine once engraved.

✓ INSTEAD

Use `validate\_tag\_fit` to confirm the text actually fits within the specific tag's capacity before you start production.

Ignoring unsupported characters

❌ AVOID

A customer includes an emoji or a special symbol in their custom message, which your engraver can't process.

✓ INSTEAD

Run ``check_language_compliance`` to catch any non-English characters that would cause a machine error.

Manual character counting

❌ AVOID

You spend time manually counting every space and letter in a long list of customer orders to ensure they fit.

✓ INSTEAD

Let your agent handle the math by using ``get_text_metrics`` for instant character and whitespace counts.

The Right Fit

Connect this MCP if you manufacture or sell custom engraved pet products and want to stop wasting metal on text that doesn't fit. Don't connect it if you only sell pre-printed tags that don't allow for custom text. The decision comes down to whether your engraving equipment requires precise text validation to prevent errors.

4 Tools for Precise Pet Tag Text Validation

These tools handle everything from basic character counts to bulk layout comparisons for engraving.

#	TOOL	DESCRIPTION
01	check_language_compliance	This tool checks if your text uses only allowed English characters. It prevents errors caused by unsupported symbols or emojis.
02	get_bulk_tag_analysis	Use this to compare several different message options at once. It helps you find the best fit among multiple text variations for a specific tag size.
03	get_text_metrics	This tool calculates the total length and character statistics for any string. It's your go-to for quick character and whitespace counts.
04	validate_tag_fit	This tool determines if a specific message will physically fit on a tag. It compares your text against a predefined capacity limit.

See It in Action

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

U How many characters are in 'Buddy - 555-0123'?



The text 'Buddy - 555-0123' contains 16 characters.

U Will 'Max' fit on a tag with a 2 character limit?



No, 'Max' has 3 characters and exceeds the limit of 2.

U Is ' Buddy' a valid tag message?



No, the message contains invalid characters that are not part of the supported English set.

Frequently Asked Questions

01 Can this MCP check for emojis?

Yes, the `check_language_compliance` tool identifies characters that fall outside the supported English set, including emojis.

02 How does it know if text fits?

The `validate_tag_fit` tool compares your text against a predefined capacity to see if it exceeds the limit.

03 Which AI clients can use this?

You can use this MCP with any compatible client, including Claude, Cursor, and Windsurf.

04 Can I check multiple messages at once?

Yes, the `get_bulk_tag_analysis` tool allows you to analyze a list of different message options to find the best fit.

05 Does it count spaces?

Yes, the `get_text_metrics` tool provides statistics that include whitespace counts.

06 Does the character count include spaces?

Yes, spaces are counted as characters because they occupy physical space on the engraved tag.

07 Can I use characters other than English?

No, the system only supports the English alphabet and standard English punctuation to ensure high-quality engraving.

08 How do I check if multiple messages will fit?

You can use the `'get_bulk_tag_analysis'` tool to evaluate a list of potential messages against a specific capacity limit.

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-tag-text-validator": { "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 Tag Text Validator 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>

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