

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

# Emotional Regulation Scoring Engine MCP

Turn raw psychological responses into actionable behavioral data.

Emotional Regulation Scoring Engine uses the Difficulties in Emotion Regulation Scale (DERS) to quantify psychological dimensions. Your AI client can process raw scale inputs to calculate total and subdomain scores, compare results against clinical benchmarks, and generate specific behavioral strategies based on the resulting profiles.

**A+** Quality Score 98.33/100

emotional-intelligence

ders

psychology

scoring

behavioral-health



# The connectivity layer between AI and the world's software.

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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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Emotional Regulation Scoring Engine MCP

4 tools available

Cloud-hosted on Vinkius

You can use this MCP to bring precise psychological measurement to your AI-driven workflows. It centers on the DERS framework, which breaks down emotional regulation into six specific areas: Emotional Awareness, Emotional Clarity, Emotion Regulation Strategies, Impulse Control, Goal-Directed Behavior, and Non-acceptance of Emotional Responses. Instead of guessing how a user is managing their emotions, your agent can process raw data to get hard numbers. You can check if inputs follow the required scale structure, pull clinical thresholds to see where a score sits on the spectrum, and immediately get behavioral recommendations based on the findings. It's a specialized tool for anyone needing to turn qualitative emotional data into quantitative insights without manual calculation.

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## Core Capabilities

### 01 — DERS Scoring

Your agent calculates total and subdomain scores from raw user inputs.

### 02 — Clinical Benchmarking

The AI compares calculated scores against established clinical thresholds.

### 03 — Behavioral Strategy Generation

Your agent produces specific behavioral advice based on a user's score profile.

### 04 — Input Validation

The MCP verifies that raw data matches the required DERS scale structure.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/en/ai-agent-connect/emotional-regulation-scoring-engine](https://vinkius.com/en/ai-agent-connect/emotional-regulation-scoring-engine) — connect your AI agent in three steps.

- 01 Connect the MCP to your preferred client like Claude or Cursor.
- 02 Provide raw scale responses to the agent.
- 03 The agent validates the input format to ensure it is correct.
- 04 The MCP calculates the total and subdomain scores.
- 05 The agent compares scores to thresholds and generates recommendations.

Connect the MCP to your client and start sending data for analysis.

## Built For

This MCP is built for professionals working in behavioral health and psychological research who need to automate scoring processes.

### Psychologists

Hand off raw patient scale responses to the AI to get instant score breakdowns.

### Behavioral Researchers

Use the engine to quantify emotional regulation dimensions across large datasets.

### Mental Health Tech Developers

Integrate DERS scoring logic into agentic workflows for automated user assessment.

## What Changes When You Connect

- 01 Automates the math for the six DERS subdomains.
- 02 Provides instant comparison against clinical benchmarks.

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- 03** Converts raw numbers into specific behavioral recommendations.
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- 04** Validates data integrity before processing scores.
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## Real-World Applications

### Automated Patient Assessment

An agent processes a patient's completed DERS scale to identify specific areas of emotional difficulty.

### Clinical Decision Support

Clinicians use the thresholds to determine if a patient's score falls into low, moderate, or high difficulty categories.

### Research Data Processing

Researchers use the tool to quickly calculate scores for multiple participants in a study.

### Behavioral Strategy Planning

The AI generates personalized advice based on a user's unique emotional regulation profile.

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# 4 Tools Available

| #  | TOOL                     | DESCRIPTION                                                                                                                                                       |
|----|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | get_thresholds           | This tool provides the clinical or normative benchmarks needed to interpret scores. Use it to find specific thresholds for total scores or individual subdomains. |
| 02 | validate_format          | This tool checks if a set of user inputs matches the required scale structure. It ensures your data is valid before you attempt any calculations.                 |
| 03 | calculate_ders_scores    | This tool computes both total and subdomain scores from raw scale responses. It handles the math for the entire DERS framework.                                   |
| 04 | generate_recommendations | This tool produces actionable behavioral advice. It looks at the calculated score profiles to suggest specific strategies.                                        |

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## See It in Action

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

**U** Calculate my emotional regulation scores for these responses: [3, 2, 4, 1, 5, 2, 3, 4, 1, 2, 3, 4, 5, 2]



Your total score is 42. Your strongest area is Impulse Control, while your highest difficulty is in Non-acceptance of Emotional Responses.

**U** What are the clinical thresholds for the total score?



For the total score, low difficulty is below 30, moderate difficulty is between 30 and 45, and high difficulty is above 45.

**U** Check if my input format is correct: [1, 2, 3]



The input is invalid. The DERS scale requires exactly 14 integer responses.

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## Frequently Asked Questions

### 01 What framework does this MCP use?

This MCP uses the Difficulties in Emotion Regulation Scale (DERS) to quantify emotional regulation across six dimensions.

### 02 How many responses are needed for a valid score?

The DERS scale requires exactly 14 integer responses to be valid.

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**03 Can I get specific advice based on my scores?**

Yes, the generate\_recommendations tool provides actionable behavioral advice based on your calculated score profiles.

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**04 What are the difficulty levels for total scores?**

Low difficulty is below 30, moderate difficulty is between 30 and 45, and high difficulty is above 45.

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**05 Which AI clients can use this MCP?**

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

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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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                                                                                              |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  <b>Claude AI</b>  | Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint                                  |
|  <b>Cursor</b>     | Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint                         |
|  <b>VS Code</b>  | Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"emotional-regulation-scoring-engine": { "url": "..." }</code> |
|  <b>Windsurf</b> | MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL                                                |
|  <b>ChatGPT</b>  | Settings → Tools & plugins → Add MCP server → Paste endpoint                                                    |
|  <b>Gemini</b>   | 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

# Emotional Regulation Scoring Engine is live on Vinkius Cloud.

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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](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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DOCUMENT INFORMATION

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| Endpoint   | <code>https://edge.vinkius.com/{token}/mcp</code> |

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