MCP SERVER | NO CODE | CLOUD HOSTED

Resilience Score Assessment MCP

Turn survey answers into actionable psychological insights.

Resilience Score Assessment quantifies psychological resilience using the CD-RISC scale. Input survey responses and immediately calculate a total score and overall level (Low, Moderate, High). The system also pinpoints specific dimensions—like Control or Adaptability—that need attention, giving you deep data on an individual's ability to bounce back from stress.

A+ Quality Score 100/100

resilience | psychological-assessment | cd-risc | mental-health | data-analysis

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vinkius.com/mcp/resilience-score-assessment

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.

Resilience Score Assessment MCP

3 tools available
Cloud-hosted on Vinkius

When you administer psychological surveys, getting just a single number isn't enough. You need to know what that score actually means for the person taking it. This MCP takes raw survey answers and runs them through a specialized assessment based on the Connor-Davidson Resilience Scale. It doesn't just give a total score; it breaks down where the stress points are, showing you if someone's difficulty lies in adapting or maintaining focus. Your agent processes the responses to deliver an aggregate resilience level—Low, Moderate, or High—and pinpoints which core dimensions might be vulnerable. By connecting this MCP through Vinkius, your AI client can generate structured reports that go far beyond simple averages. You get actionable insights into an individual's capacity to cope with adversity, letting you guide targeted support rather than guessing what's wrong.

Core Capabilities

01 — Calculate total resilience score

The system processes responses and generates a single total score and corresponding overall resilience level.

02 — Identify vulnerable dimensions

It analyzes the data to pinpoint specific psychological areas that fall below an average benchmark.

03 — Get raw dimension scores

You receive a detailed breakdown of the individual's performance across all measured psychological dimensions.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/resilience-score-assessment** — connect your AI agent in three steps.

01 Feed your AI client the survey responses or data points collected from the participant.

02 The MCP processes these answers, running them through the CD-RISC framework to calculate scores and analyze dimensional performance.

03 Your agent receives a structured report detailing the total score, overall level, and any identified areas of vulnerability.

The bottom line is that you move from raw survey data straight to actionable psychological insight without manual calculation or interpretation.

Built For

HR specialists who run annual wellness surveys, corporate mental health program managers, and clinical psychologists. If your job requires translating a set of anonymous answers into targeted support recommendations, this MCP is for you.

Employee Wellness Coordinator

Uses the MCP to process aggregated survey data from annual well-being checks, identifying which groups or departments show vulnerability in 'Adaptability' so leadership can schedule targeted training.

Clinical Psychologist

Runs individual client assessments by feeding questionnaire answers into the system, immediately generating a breakdown that directs follow-up sessions to specific weak dimensions like 'Perseverance'.

HR Director (People Analytics)

Processes exit survey data related to burnout. Instead of just seeing low scores, they use this MCP to determine if the poor job satisfaction is specifically linked to a lack of perceived personal 'Control'.

What Changes When You Connect

01	Get a total picture immediately. Use calculate_resilience_score to get an overall score and level in one step, eliminating the need for manual aggregation of individual questions.
02	Pinpoint exact weakness. analyze_dimension_vulnerability tells you *where* the resilience is failing—is it control? adaptability? Knowing this directs resources better than a general warning.
03	Deep dive capability. get_dimension_breakdown gives you the raw scores, letting your agent show exactly how much each dimension contributed to the final result for deeper analysis.
04	Saves hours of review time. Instead of reading through dozens of paper assessments and charting results by hand, your AI client processes it instantly.
05	Focuses on action. The system doesn't just flag a low score; it provides enough detail via analyze_dimension_vulnerability to suggest specific training or interventions.

Real-World Applications

Assessing team readiness after a major layoff.

A manager needs to know if the recent restructuring impacted morale. They feed anonymized survey data into the MCP. The agent uses analyze_dimension_vulnerability and reports that 'Control' is the weakest dimension, suggesting leadership immediately host workshops focused on restoring personal autonomy.

Profiling a new employee for high-stress roles.

HR runs pre-employment screening data through the MCP. They use calculate_resilience_score to get an overall level and then use get_dimension_breakdown to ensure 'Perseverance' scores are adequate before assigning them to client-facing crisis management.

Following up with clients who scored low on initial testing.

A therapist gets a set of responses. Instead of just seeing a 'Low' score, they use get_dimension_breakdown to see that the client is struggling specifically in 'Adaptability.' This allows them to tailor their next session plan precisely.

Comparing pre- and post-intervention group scores.

A corporate wellness team runs two sets of data. They use calculate_resilience_score on both, then run analyze_dimension_vulnerability to quantify if the intervention successfully boosted specific dimensions like 'Adaptability' across the whole cohort.

Patterns to Avoid

Treating resilience as one metric

✗ AVOID

A person reads a total score of 'Moderate' and assumes everything is fine. They miss crucial details about where their actual weakness lies.

✓ INSTEAD

Don't stop at the total score; always use analyze_dimension_vulnerability to identify if your struggles are localized (e.g., only in Control) or widespread.

Analyzing data manually by spreadsheet

✗ AVOID

A user must copy hundreds of answers into Excel, write formulas for the CD-RISC scale, and then manually interpret the resulting pivot tables.

✓ INSTEAD

Let your AI client handle it. Feed the raw responses directly to calculate_resilience_score, and get a clean report instantly.

Confusing general mood with resilience

✗ AVOID

Assuming that because someone feels 'sad' today (a temporary state), they lack overall coping ability.

✓ INSTEAD

Use this MCP to assess core psychological capacity. The scores measure structural resilience, not transient feelings. Use analyze_dimension_vulnerability for objective data.

The Right Fit

Use this if you need quantitative, standardized assessment of psychological coping mechanisms based on established scales like CD-RISC. You must be able to take a set of responses and want the outcome broken down into specific dimensions (Control, Adaptability, Perseverance), not just a general feeling. If your goal is simple sentiment analysis—like knowing if someone was 'happy' or

'sad'—this MCP is overkill; use a basic messaging analytics tool instead. However, if you are trying to diagnose *why* that mood exists, this assessment is essential because it quantifies the underlying structure of coping ability. Never use this for crisis intervention itself; always pair the results with human expertise.

The struggle to quantify what's invisible.

Today, assessing someone's psychological resilience is a manual nightmare. You collect questionnaire answers and then spend hours in Excel, running formulas for the CD-RISC scale just to get basic totals. Then you have to manually chart scores into different dimensions—Control, Adaptability, Perseverance—and try to interpret what that scattered data means for their overall capacity.

With this MCP, that whole process vanishes. Your agent accepts the raw answers and instantly returns a structured report. You don't just get 'Moderate Resilience'; you get the total score *and* immediate feedback telling you precisely which dimension needs attention.

Get actionable insights with Resilience Score Assessment.

The old process required multiple tabs, copy-pasting scores into different analysis sheets just to map the raw data points. You spent more time organizing the findings than actually drawing conclusions about the individual's capacity for adversity.

Now, everything is automated. You feed the responses and get immediate access to both calculate_resilience_score for the overview and analyze_dimension_vulnerability to pinpoint the specific area needing support.

Resilience Score Assessment: 3 Tools

These tools allow you to process raw survey responses, calculate overall resilience scores, and get a detailed breakdown of psychological strengths and weaknesses.

#	TOOL	DESCRIPTION
01	`analyze_dimension_vulnerability`	Checks and reports which specific psychological dimensions are performing below average.
02	`calculate_resilience_score`	Generates the total resilience score for a set of responses, assigning an overall level (Low, Moderate, or High).
03	`get_dimension_breakdown`	Provides the raw numerical scores for every measured psychological dimension.

See It in Action

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

U Calculate the resilience score for these responses: {"q1": 5, "q2": 4, "q3": 2, "q4": 5, "q5": 3, "q6": 4}.

The total resilience score is 23, which corresponds to a High level of resilience.

U Check if any dimensions are vulnerable in this assessment: {"q1": 1, "q2": 5, "q3": 5, "q4": 5, "q5": 5, "q6": 5}.

The vulnerable dimension identified is: Control.

U Show me the breakdown of scores by dimension for these responses: {"q1": 4, "q2": 2, "q3": 5, "q4": 4, "q5": 1, "q6": 5}.

The scores by dimension are: Control: 6, Adaptability: 3, Perseverance: 10.

Frequently Asked Questions

01 **How does Resilience Score Assessment use raw data?**

It takes your collected survey answers, whether they are scaled ratings or multiple-choice responses, and processes them using the established CD-RISC framework to generate scores.

02 **What do the dimensions in Resilience Score Assessment mean?**

The core dimensions measured are Control, Adaptability, and Perseverance. These represent key areas of psychological strength related to coping with stress or difficulty.

03 **Can I use calculate_resilience_score for multiple groups?**

Yes. You can batch process data from different cohorts—like pre-intervention vs. post-intervention scores—to compare overall resilience levels across groups easily.

04 **What if my client scored low on Resilience Score Assessment?**

The MCP helps by not just stating 'low.' It uses analyze_dimension_vulnerability to tell you *why* the score is low, directing your focus to the precise area for intervention.

05 **Does this assess mental illness?**

No. This MCP assesses psychological resilience—the capacity to cope with stress and adversity—using a standardized scale, but it does not diagnose medical or mental health conditions.

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 `"resilience-score-assessment": { "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

Resilience Score Assessment 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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