

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

Beginner Progression Score MCP

Turn practice data into measurable skill milestones.

Beginner Progression Score MCP gives your AI client the ability to quantify how fast you are actually learning. It calculates your current advancement, predicts when you will hit your next milestone, and identifies which specific skills you should focus on next to stay efficient.

A+ Quality Score 100/100

learning

progression

skill-tracking

metrics

coaching



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.

Beginner Progression Score MCP

4 tools available

Cloud-hosted on Vinkius

Stop guessing if your practice sessions are actually working. This MCP turns raw learning data into actionable metrics that your AI agent can interpret. You can feed your practice hours, mastered skills, and even environmental factors into your client to get a clear picture of your trajectory. It calculates a normalized score for your current progress and uses your specific habits to project exactly how much more time you need to reach your next goal. If you feel like you're stalling, the MCP analyzes your practice efficiency to see if external factors or instruction quality are slowing you down. It's a way to move from vague feelings of improvement to hard numbers that guide your next move.

Core Capabilities

01 — Progress Quantification

Your agent uses this to turn practice hours and mastered skills into a single advancement score.

02 — Milestone Projection

Your agent calculates the remaining time needed to reach specific skill levels.

03 — Skill Pathing

Your agent suggests the most logical next skills to learn based on your current tree.

04 — Efficiency Auditing

Your agent checks how environmental factors and instruction quality impact your learning speed.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/beginner-progression-score — connect your AI agent in three steps.

- 01

Connect the MCP to Claude, Cursor, or Windsurf via Vinkius.
- 02

Provide your practice data like hours, mastered skills, and ability factors.
- 03

Ask your AI client to calculate your score or predict your next milestone.
- 04

Use the efficiency analysis to adjust your practice habits.
- Connect the MCP to your client and start feeding it your practice data.

Built For

This is for anyone following a structured learning path who wants to move away from intuition and toward data. It works best for people tracking technical or physical skills.

Skill Coaches

They hand off student practice data to the AI to get objective efficiency reports.

Self-Taught Learners

They use the AI to stay on track and decide what to study next.

Curriculum Designers

They use the metrics to see how effectively students move through specific skill trees.

What Changes When You Connect

- 01

Converts practice habits into predictable timelines.
- 02

Identifies bottlenecks in learning efficiency.
- 03

Provides a mathematical basis for skill advancement.

04 Removes guesswork from deciding which skill to learn next.

Real-World Applications

Athletic Training

Track how specific drills and coaching quality affect your progression toward a new skill level.

Musical Mastery

Estimate how many weeks of practice are required to master a specific piece or technique.

Software Skill Acquisition

Measure how quickly you are moving through a programming language roadmap.

Language Learning

Analyze if your study environment is helping or hindering your vocabulary retention.

4 Tools Available

#	TOOL	DESCRIPTION
01	estimate_time_to_next_level	This tool predicts your timeline for reaching the next milestone. It uses your current practice habits to project future progress.
02	analyze_practice_efficiency	This tool evaluates how well you use your practice time. It looks at how things like instruction quality and environment affect your learning speed.
03	calculate_current_progression	This tool calculates your current overall advancement score. It provides a normalized number representing your total progress.
04	recommend_next_skills	This tool identifies the most effective skills to learn next. It looks at your current progress to suggest the best path through a skill tree.

See It in Action

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

U What is my current progression score if I have practiced for 20 hours, mastered 'basic_stance' and 'footwork', have a natural ability of 1.2, and an instruction factor of 1.1?



Your current progression score is 15.5 with a momentum of 1.8.

U Based on my current score of 45, how many weeks until I reach a score of 60 if I practice 5 hours per week with a natural ability of 1.0?



You are estimated to reach the target score in 4 weeks with a 90% confidence interval.

U How efficient was my 10-hour practice session if the conditions difficulty was 0.8 and instruction quality was 0.9?



Your efficiency rating is 0.85. To improve, try maintaining high instruction quality even when conditions are less challenging.

Frequently Asked Questions

01 How do I connect this MCP to my AI client?

You connect once through the Vinkius platform. After that, the MCP is ready to use in any compatible client like Claude or Cursor.

02 What data do I need to provide for a progression score?

You'll need to provide details like practice hours, specific skills mastered, natural ability levels, and instruction factors.

03 Can this MCP predict exactly when I will finish a course?

It provides an estimate based on your current practice habits and milestones, often including a confidence interval.

04 Does this work with any AI model?

It works with any MCP-compatible client. It does not depend on a specific model version.

05 How does it measure practice efficiency?

It evaluates your practice time against environmental factors and the quality of instruction you receive.

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>"beginner-progression-score": { "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

Beginner Progression Score 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

INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by Beginner Progression Score. All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

DOCUMENT INFORMATION

Generated	September 2026
MCP Server	Beginner Progression Score MCP
Server ID	01a07d3b-c992-73f3-bd25-a00c219c7ef1
Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit vinkius.com/en/ai-agent-connect/beginner-progression-score.