

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

Bedroom Environment Scorer MCP

Fix your room setup to get better sleep.

Bedroom Environment Scorer gives your AI client the ability to analyze your sleeping space. It evaluates thermal, acoustic, and sensory data to find exactly why you aren't sleeping well. Instead of guessing if your room is too hot or too loud, you can get specific scores for temperature, noise, and air quality to make informed adjustments.

A+ Quality Score 100/100

sleep

environment

wellness

health

optimization



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.

Bedroom Environment Scorer MCP

4 tools available

Cloud-hosted on Vinkius

You can't fix what you don't measure. This MCP turns your AI client into a sleep environment consultant by providing data on the physical factors that disrupt your rest. If you're waking up tired, you can use this tool to check if your room temperature is too high or if ambient noise is breaking your sleep cycles.

You can run a full assessment of your room to get a high-level view of your setup. If you want to dig deeper, you can isolate specific issues. You can check your thermal profile to see if your thermostat is set correctly for deep sleep, or look at acoustic data to see if street noise is the culprit. You can even look at sensory triggers by combining light and air quality data. It's about moving away from guesswork and using specific metrics to build a better sleeping environment.

Core Capabilities

01 — Thermal Analysis

Your agent uses this to check if your room temperature is optimized for rest.

02 — Acoustic Monitoring

Your AI client uses this to see if noise levels are disrupting your sleep cycles.

03 — Sensory Evaluation

Your agent combines light and air quality data to find sensory sleep triggers.

04 — Full Room Scoring

Your AI client runs a complete assessment of all environmental factors at once.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/bedroom-environment-scorer — connect your AI agent in three steps.

- 01 Connect your preferred MCP-compatible client to Vinkius.
- 02 Provide your room's environmental data to your AI client.
- 03 Ask your agent to run a specific assessment or a full score.
- 04 Receive specific feedback and adjustments to improve your sleep.

Getting started takes a few clicks to connect your AI client to the Vinkius hosted environment.

Built For

This is for anyone looking to use data to improve their rest. You can hand off your environmental sensor data to your AI to get actionable advice.

Wellness Enthusiasts

People who track health metrics and want to optimize their recovery environments.

Smart Home Users

Users who want to bridge the gap between sensor data and intelligent sleep adjustments.

Sleep Researchers

Individuals collecting environmental data to understand sleep patterns.

What Changes When You Connect

- 01

Replaces guesswork with specific environmental scores.
- 02

Identifies specific triggers like noise or temperature spikes.
- 03

Provides direct feedback on how to adjust your room for better rest.

Real-World Applications

Troubleshooting Poor Sleep

Use the tools to find out if a sudden temperature rise or noise increase is why you woke up last night.

Setting Up a New Room

Check your environment score after moving into a new space to see if it's sleep-ready.

Optimizing Smart Home Settings

Use thermal profiles to decide exactly what temperature to set your thermostat for the night.

Monitoring Air and Light

Use sensory readiness tools to ensure air quality and light levels aren't sabotaging your rest.

Patterns to Avoid

Guessing at sleep disruptions

 AVOID

You wake up feeling exhausted and assume it's just stress or caffeine. You don't check if your room was actually too hot or noisy.

 INSTEAD

Stop guessing and run ``get_environment_score`` to see how your physical surroundings are actually affecting your sleep quality.

Ignoring subtle sensory triggers

 AVOID

You think your room is fine because it's dark, but you still feel restless every night.

 INSTEAD

Use ``get_sensory_readiness`` to see how light levels and air quality are working together to impact your ability to sleep.

Treating temperature in isolation

❌ AVOID

You set your thermostat to a standard temperature and assume that's the best setting for your body.

✓ INSTEAD

Run ``get_thermal_profile`` to understand how your specific temperature settings affect your ability to stay asleep.

The Right Fit

Connect this MCP if you have environmental sensor data and want to stop guessing why you're waking up tired. Don't connect it if you prefer to rely on intuition rather than hard metrics. The decision depends entirely on whether you want to use data to optimize your physical rest environment.

Bedroom Environment Scorer Toolset

These tools turn raw sensor data into actionable insights about your sleep environment. You can analyze thermal, acoustic, and sensory data to find exactly what's disrupting your rest.

#	TOOL	DESCRIPTION
01	get_thermal_profile	This tool evaluates how your current temperature settings affect your ability to fall and stay asleep.
02	get_acoustic_assessment	This tool analyzes noise levels to determine how much they might be interrupting your sleep continuity.
03	get_environment_score	This tool provides a full assessment of your current bedroom conditions. It looks at all available data to give you a single score for your room.
04	get_sensory_readiness	This tool looks at light levels and air quality together to see how sensory factors impact your sleep readiness.

See It in Action

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

U How is my bedroom environment for sleep? Temperature is 22C, noise is 30dB, light is 5lux, AQI is 40, and comfort is mattress 0.9 and bedding 0.8.



Your bedroom environment is excellent with an overall score of 92. Your temperature and light levels are within the ideal ranges for deep sleep.

U Is my room too noisy for sleep? The noise level is 55dB.



The noise level of 55dB poses a medium risk of sleep disruption. It is recommended to use white noise to mask sudden sounds.

U Check my thermal profile. The temperature is 28C.



Your thermal score is 45. The temperature is too high for optimal sleep. Cool the room down to reach the ideal range.

Frequently Asked Questions

01 What AI clients can I use with this MCP?

You can use this MCP with any compatible client like Claude, Cursor, Windsurf, or VS Code.

02 Do I need to host this myself?

No. Vinkius hosts and manages the MCP for you, so it is ready to use immediately after you connect.

03 Can I check just the temperature?

Yes. You can use the `get_thermal_profile` tool to look specifically at how temperature affects your sleep readiness.

04 How does it handle noise data?

The `get_acoustic_assessment` tool analyzes noise levels to see how they might impact your sleep continuity.

05 What is an environment score?

It is a metric generated by the `get_environment_score` tool that evaluates your room across thermal, acoustic, and sensory dimensions.

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>"bedroom-environment-scorer": { "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

Bedroom Environment Scorer 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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