MCP SERVER | NO CODE | CLOUD HOSTED

Spotify Music MCP

Control Playback and Analyze Deep Audio Features

Spotify Music MCP lets your AI client control Spotify playback, search its entire catalog of millions of tracks, and analyze audio features. Use this to find specific songs, manage playlists on the fly, or get deep data points like a track's tempo and energy level—all through simple conversation.

A+ Quality Score 98.33/100

music-streaming | audio-analytics | playlist-management | playback-control | media-api

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vinkius.com/mcp/spotify-music

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.

Spotify Music MCP

13 tools available
Cloud-hosted on Vinkius

Your agent can handle all your music needs without you having to switch apps or open the Spotify desktop client. You ask for something—maybe 'Play some high-energy jazz for a study session,' or 'What are the audio features of that new track?'—and this MCP handles the actions, from searching millions of songs to adjusting the playback queue and even analyzing the song's underlying data. This connection lets you get detailed information about specific artists or albums, build recommendations based on genres, and view all your existing playlists, everything through text prompts. If you're using Vinkius, this MCP gives your AI client immediate access to a massive library of music control tools, turning simple conversation into actual audio commands.

Core Capabilities

01 — Search the catalog

Find any track, artist, album, or playlist by name across Spotify's massive database.

02 — Control playback state

Start playing music, pause the current song, or add tracks directly to your listening queue.

03 — Analyze song data

Retrieve deep audio metrics for any track, including its danceability, energy level, and tempo.

04 — Curate playlists

View your existing music libraries or get recommended tracks based on specific artists or moods.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/spotify-music** — connect your AI agent in three steps.

01 First, subscribe to this MCP and provide your Spotify Access Token in the Vinkius Developer Dashboard.

02 Next, prompt your AI client with a natural language request—for example, 'Find me an upbeat track for running.'

03 Finally, your agent executes the necessary commands, managing playback or returning metadata directly to you.

The bottom line is you tell your agent what music action you want; it handles the complex calls to Spotify and gives you a result without manual effort.

Built For

Anyone who works with media, audio content, or requires data about popular culture. Think music producers, podcast editors, marketing analysts, or just serious music nerds tired of switching between Spotify and their terminal.

Content Creator

Needs to quickly research the mood (tempo, energy) of background tracks for a video script without ever leaving their writing environment.

Data Analyst

Requires structured data points like track tempo or valence across multiple songs to build comparative reports on music trends.

Event Planner

Needs an agent to manage a complex playlist queue live, jumping between genres and tracking the current track without manual intervention.

What Changes When You Connect

01 Stop clicking through menus. You can tell your agent to find music, pause it, get its technical data (like tempo), and then resume playback—all in one conversation.

02 Need research material? Use the `get_audio_features` tool to instantly pull metrics like energy or danceability for any song, helping you analyze trends without opening a spreadsheet.

03 Playlist management gets simple. Instead of manually checking every folder, your agent can use `get_user_playlists` and then `get_playlist` to give you an overview of your entire music library.

04 Discovery is instant. Use `search` or `get_recommendations` to find brand new songs tailored exactly to a mood or genre, saving hours of browsing.

05 Stay up-to-date with the latest hits. The `get_new_releases` tool pulls fresh album data so you always know what's dropping right now.

Real-World Applications

Analyzing a mood for a soundtrack

A film editor needs to choose background music. They ask their agent to `search` for tracks tagged 'cinematic.' Then, they use `get_audio_features` on the top three results to compare the tempo and valence scores before picking one.

Managing a party's music flow

A host asks their agent to check the current track using `get_current_track`. When the song ends, they prompt the agent to add five high-energy songs to the queue using `add_to_queue` and then tell it to resume playback with `play`.

Building a discovery tool

A user wants to find music similar to their favorite album. They ask the agent to get recommendations using `get_recommendations`, referencing specific artists, and then check out any new drops with `get_new_releases`.

Curating a themed playlist

A user wants a playlist of 'Rainy Day Chill.' They ask the agent to retrieve their existing playlists using `get_user_playlists`, then use the details from `get_playlist` to ensure the theme is consistent.

Patterns to Avoid

Manually tracking song metrics

✗ AVOID

Writing down a list of 10 songs, then having to open ten different websites or apps just to find out the BPM and energy score for each one.

✓ INSTEAD

Just tell your agent to search for those 10 songs using `search`. Then, ask it to run `get_audio_features` on the resulting list. It handles all the data retrieval in one command.

Controlling playback with multiple steps

✗ AVOID

Manually pausing music through the app, then opening another panel to add a song, and finally clicking play again.

✓ INSTEAD

Tell your agent: 'Pause this track, add that next one to the queue, and restart.' The MCP uses `pause`, `add_to_queue`, and `play` sequentially for you.

Searching and getting data separately

✗ AVOID

First running a search query just to get a track ID, then having to run another command using that ID to check the album details.

✓ INSTEAD

Ask your agent to perform both actions at once. It handles the initial `search` for the song and immediately uses the `get_track` tool to pull all associated metadata.

The Right Fit

Use this MCP if your process involves media consumption, catalog research, or data analysis related to music. If you need to know what songs are playing right now, get album info, or analyze a song's vibe (tempo, energy), this is the tool for you. Don't use it just because you want to browse Spotify; use it when you need *actions* —like adding something to a queue (`add_to_queue`) or getting hard metrics (`get_audio_features`). If your goal is purely visual discovery and you don't have an AI agent ready to execute commands, this MCP won't help. It’s for automation, not browsing.

The Friction of Music Research

Right now, researching music is a click-heavy nightmare. You find a song you like, but to know if it'll fit your project, you have to open the app and hunt for the data—the BPM, the energy level, everything. Then, if you want to play it later, you have to remember to manually save it or add it to a playlist in a separate tab.

With this MCP connected via Vinkius, that whole tedious process disappears. You just ask your agent for the data—'What are the audio features for XYZ?'—and get a clean, readable response instantly. The hard work of cross-referencing apps and data points is gone.

Spotify Music MCP Gives You Control Over Every Beat

You no longer have to switch between searching for tracks, checking out new releases, and controlling the playback. Your agent handles everything in sequence: it can `search` for an artist, then check their albums using `get_album`, and finally play a song from that album using `play`. It's one continuous flow.

The difference is control. You get precise, actionable outputs—not just links or suggestions. Your agent turns abstract ideas about music into concrete commands.

Spotify Music MCP with 13 Tools

These tools allow your agent to perform every action related to music—from searching the catalog to analyzing a song's technical data.

#	TOOL	DESCRIPTION
01	`get_album`	Retrieves all specific information about a given album.
02	`get_artist`	Gets detailed data for a specified musical artist.
03	`get_current_track`	Pulls the details of whatever song is playing right now on your device.
04	`search`	Searches Spotify's library to find tracks, artists, albums, or playlists.
05	`get_track`	Gets comprehensive data for a specific song.
06	`get_user_playlists`	Lists all the personalized playlists you currently have saved on Spotify.
07	`get_audio_features`	Provides technical metrics like danceability and energy for a specific track.
08	`get_new_releases`	Fetches a list of the newest albums and singles available on Spotify.
09	`pause`	Stops the music playback that is currently running.
10	`play`	Starts or resumes playing music immediately.
11	`get_playlist`	Retrieves details for a single, specific playlist by ID.
12	`add_to_queue`	Adds a specified track to the end of your current listening queue.
13	`get_recommendations`	Generates new music suggestions based on seed artists, genres, or tracks you provide.

See It in Action

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

U Play some energetic Jazz for studying.

Found some high-energy Jazz tracks. Adding to queue and resuming playback.

U What are the audio features for 'Blinding Lights'?

Blinding Lights: Danceability 51%, Energy 73%, Tempo 171 BPM, Valence 33%. It's a very fast, energetic song but with a somewhat melancholic vibe.

U Show me the top 5 new releases.

Top New Releases: 1. New Album - Artist A. 2. Single Release - Artist B. 3. EP - Artist C. 4. Album - Artist D. 5. Single - Artist E.

Frequently Asked Questions

01 **How does the Spotify Music MCP work with my existing playlists?**

The MCP can read your library using `get_user_playlists` and pull details on specific lists via `get_playlist`. You don't have to manually check them; just ask your agent what's in your 'Workout Jams' playlist.

02 **Can I use the Spotify Music MCP to find music for a specific mood?**

Yes. Instead of guessing, you can prompt the MCP to generate suggestions using `get_recommendations`. You just tell it the genre or artist, and it finds tracks that match your desired vibe.

03 **Is the Spotify Music MCP only for finding songs?**

No. Beyond searching, you can control playback directly. You can ask it to pause music using `pause`, add something to the queue with `add_to_queue`, or start playing a track immediately.

04 **What kind of data does get_audio_features provide?**

It provides technical metrics like Danceability, Energy, Valence, and Tempo. This is useful for data analysis when you need to quantify how 'happy' or 'fast' a song sounds.

05 **How do I find the newest songs using the Spotify Music MCP?**

Simply ask your agent to run `get_new_releases`. It pulls the latest albums and singles, keeping you updated on what's dropping across Spotify.

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 `"spotify-music": { "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

Spotify Music 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 →

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