MCP SERVER | NO CODE | CLOUD HOSTED

# Google Fonts API MCP

## Audit any web font's details, variants, and subsets.

Google Fonts API lets your AI agent audit web fonts and typography resources from across the entire Google catalog. Instead of clicking through dozens of font pages, you can ask for specific metadata—like variant weights or language subsets—and get immediate results. It's a real-time design consultant built right into your workflow.

A+ Quality Score 100/100

typography | web-fonts | font-discovery | css-integration | design-assets

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vinkius.com/mcp/google-fonts-api

SCAN TO VIEW

# The infrastructure that powers AI agents in the real world.

Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

# Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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.

# Google Fonts API MCP

4 tools available
Cloud-hosted on Vinkius

Your AI agent connects directly to the world's largest source of open-source typefaces using this MCP. You stop searching through clunky design portals and start having a conversation about fonts. Your agent handles complex typographic research instantly, allowing you to audit thousands of font families for specific traits, such as available weights or supported language subsets. Need to see what styles are trending? Ask. Want to verify if a font has the right variants for your brand guidelines? Just ask that too. Because this MCP is hosted on Vinkius, your agent gets access to all its deep metadata and operational checks in one place. It's built for anyone who needs their typography to look perfect, every single time.

## Core Capabilities

**01 — Monitor API Health**

Checks the service status to ensure your font research workflow is running.

**02 — Search by Family Name**

Finds specific font families within the massive Google catalog based on a name you provide.

**03 — Get Detailed Font Metadata**

Retrieves comprehensive data, including categories and version history, for any single font family.

**04 — List All Available Fonts**

Pulls a complete list of every font available in the Google catalog.

## One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/google-fonts-api** — connect your AI agent in three steps.

01 Subscribe to this MCP and provide your unique Google Cloud API Key.

02 Connect it via your preferred AI client (Claude, Cursor, etc.).

03 Tell your agent what font information you need; it executes the request against the catalog.

The bottom line is that you talk to your AI client using natural language, and this MCP does the heavy lifting of querying the entire Google Fonts database for you.

## Built For

Designers who spend hours cross-referencing font styles, developers building sites that need precise typography assets, or marketing leads ensuring brand consistency across global campaigns. If your job involves selecting or auditing typefaces, this is for you.

**UX/UI Designer**

Uses the MCP to audit a site's current font usage against best practices, verifying that all necessary weights and styles are available.

**Front-End Developer**

Runs checks on specific fonts to verify their availability and variant distributions before committing assets for deployment.

**Brand Manager**

Performs rapid, large-scale audits of typography across multiple mockups to maintain strict brand guidelines and consistency.

## What Changes When You Connect

01 Verify the full typographic range for any chosen typeface. The `get_font_details` tool instantly shows you every available weight and style combination, eliminating manual checking.

02 Check your design workflow status immediately using `check_api_status`. You always know if the font source is up and running before starting a major project audit.

03 Scale your research by listing everything with `list_all_fonts`. Instead of guessing what's out there, you get an entire inventory of options to choose from.

04 Pinpoint exactly which fonts are supported in different regions. You can query for language subsets to ensure global design accuracy for international projects.

05 Quickly narrow your focus using `search_fonts`. If you know the name of a font, this tool finds it immediately without sifting through thousands of results.

## Real-World Applications

**Updating Brand Guidelines**

A brand manager needs to update their guidelines and verify that all primary fonts support Latin and Cyrillic characters. They ask their agent, 'Audit the language subsets for Font X.' The MCP uses this data to confirm global readiness before design assets are built.

**Pre-Development Auditing**

A developer is starting a new e-commerce site and needs to know if their chosen font, 'Roboto,' has all the necessary weights (100 through 900). They use `get_font_details` via their agent, getting an immediate list of variants to write their CSS from.

**Competitive Research**

A designer needs inspiration and wants to see what styles are popular right now. They ask the agent to query for trending fonts. The system finds diverse options they wouldn't have found by browsing manually.

# Patterns to Avoid

### Treating it like a simple search bar

✗ AVOID

Thinking you just need to type in 'sans-serif' and get everything. This misses the deep technical data needed for real design work.

✓ INSTEAD

Use `get_font_details` after finding a font with `search_fonts`. This provides the specific metadata, like variant weights and categories, that a general search ignores.

### Ignoring operational checks

✗ AVOID

Starting a massive audit only to find out halfway through that the external API service is temporarily down.

✓ INSTEAD

Always run `check_api_status` first. This confirms the data source is live, saving hours of frustration.

### Assuming availability

✗ AVOID

Choosing a font based only on its name and assuming it supports all necessary character sets for your market.

✓ INSTEAD

Use `get_font_details` to check the supported language subsets. This confirms technical readiness before you start designing.

## The Right Fit

You should use this MCP if your core problem is *data discovery* and *validation*. Specifically, if you need an exhaustive audit of a font's available weights, its category, or its international language support. It's perfect for developers writing CSS or designers building strict brand guidelines. Don't use this if you simply want to upload a font file; that requires a different asset pipeline tool. Also, don't use it if your primary need is content generation—it only handles metadata retrieval. If all you need is a simple list of names, `list_all_fonts` works. But if you need the full technical specs, you need to dig deeper.

## Dealing with font research used to feel like a job in itself.

Today, figuring out a typeface involves clicking through dozen of separate pages. You check one font's variants here, then switch tabs to audit its category details over there. If you want to verify if it supports Asian characters, you have to find another section and copy-paste the name into a different tool. It’s slow, tedious, and easy to miss crucial metadata.

With this MCP, you skip all that clicking. You just ask your agent—'Give me every detail about Font X.' The system pulls together the full history, variant list, and language support in one go. What you get is instant, comprehensive data ready for implementation.

## Get deep font metadata with Google Fonts API.

The manual steps that disappear are the cross-browser checks and the constant context switching between variant lists and language subset checkers. You don't have to jump between documentation pages just to verify if a font is ready for production in multiple languages.

Now, your agent handles all those complex data queries automatically. It treats typography like code: verifiable, structured, and immediate.

# Google Fonts API: 4 Tools for Typography Management

Use these four tools to query metadata, list entire catalogs, and verify specific font assets directly through your AI agent.

| # | TOOL | DESCRIPTION |
|---|---|---|
| 01 | `check_api_status` | Determines if the Google Fonts service is currently operational and available for use. |
| 02 | `get_font_details` | Retrieves full metadata, including variant weights and categories, for a specific font family you name. |
| 03 | `list_all_fonts` | Provides an exhaustive listing of every single font available in the Google Fonts catalog. |
| 04 | `search_fonts` | Searches and returns results for fonts using a specific family name query. |

# See It in Action

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

**U** Search for font family 'Roboto' using Google Fonts API.

I've retrieved the details for Roboto! It belongs to the 'sans-serif' category and has 12 variants, ranging from '100' to '900 italic'. Would you like the full list of supported subsets for this font?

**U** Show the top 5 most popular fonts on Google Fonts.

I've identified the 5 most popular font families! They include Roboto, Open Sans, Lato, Montserrat, and Oswald. I can provide the category and variant metadata for each of these if you'd like.

**U** What fonts were recently modified?

I've retrieved the list of recently updated fonts! Notable entries include [Font Name] and [Font Name], both modified in the last 30 days. I can assist you with an audit of the new variants or styles for these families.

# Frequently Asked Questions

01 **How do I find out which fonts are available using the Google Fonts API?**

You use `list_all_fonts`. This tool gives you an exhaustive list of every font in the entire catalog, letting you see the scope of options immediately.

02 **What is the difference between search_fonts and get_font_details?**

`search_fonts` helps you locate a known font by name. `get_font_details`, however, pulls deep metadata (variants, categories) for that specific font once you've found it.

03 **Can I check if the Google Fonts API is working before using it?**

Yes, run the `check_api_status` tool. It gives you a simple confirmation of whether the service is operational right now.

04 **Does this MCP help me with brand consistency? What about language support?**

Absolutely. You can use `get_font_details` to check for supported language subsets, ensuring your typography works correctly across all target regions.

05 **What if I want to see what fonts are popular right now? Does the API support that?**

While there isn't a dedicated 'trending' tool, you can use `list_all_fonts` and then filter or query specific metadata fields your agent is capable of retrieving.

# 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 `"google-fonts-api": { "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

# Google Fonts API 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

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