

MCP SERVER

NO CODE

CLOUD HOSTED

# Open Graph Generator MCP

Stop publishing links that look broken.

Open Graph Generator creates perfect social media previews for your content. This MCP takes basic metadata—like a title and description—and instantly builds the specific HTML tags needed to ensure that when you share a link on Facebook, LinkedIn, or X, it displays rich titles, images, and descriptions instead of just a boring URL. It guarantees professional-looking previews across every major platform.

**A+** Quality Score 100/100

open-graph

twitter-cards

meta-tags

social-seo

html-generation



# 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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Open Graph Generator MCP

3 tools available

Cloud-hosted on Vinkius

Publishing content online shouldn't mean fighting with ugly links. When people share your work, the preview they see determines if they click. This MCP fixes that problem by automating the creation of standardized social SEO tags. You give it simple data—a headline, a body description, and an image URL—and it builds complete, platform-ready blocks of HTML code for both Open Graph and Twitter Cards. We've built this connection to make sure your content looks professional wherever it lands. If you're building a comprehensive marketing stack, Vinkius provides the central catalog where you can connect this tool alongside dozens of others to manage all your publishing needs in one place.

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## Core Capabilities

### 01 — Generate social media tags

Instantly builds complete blocks of HTML code required for rich previews on platforms like Facebook and LinkedIn.

### 02 — Check metadata compliance

Runs your existing titles and descriptions against industry best practices to warn you about truncation or length issues before publishing.

### 03 — Discover content types

Lists all supported content categories, ensuring you use the correct type (like 'article' versus 'book') for accurate tag generation.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/open-graph-generator](https://vinkius.com/mcp/open-graph-generator) — connect your AI agent in three steps.

- 01** Tell your agent the core metadata: the title, a summary description, and what kind of content it is.
- 02** The MCP processes this data using the appropriate tool to generate the full HTML tags for both Open Graph and Twitter Cards.
- 03** You receive a clean block of code ready to paste into your site's head section.

The bottom line is, you get perfect social previews without writing or debugging any meta-tag HTML yourself.

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## Built For

This MCP is for content marketers and web developers who spend too much time manually checking if their blog posts look good when shared. If your job involves publishing anything online, you need this. It stops those broken link previews right in their tracks.

### Content Manager

They use this MCP to ensure every single piece of content published has the correct meta tags so that when marketing teams share it, it looks polished and professional.

### SEO Specialist

They verify metadata using the validation tool, making sure titles aren't too short or descriptions are cut off by social media platforms. This improves overall link visibility.

### Web Developer

They use this MCP to generate and implement standardized Open Graph tags quickly, saving hours of manual HTML coding for various content types.

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## What Changes When You Connect

- 01** Guaranteed rich link previews. When you use the `generate_html_tags` tool, your content appears on platforms like LinkedIn with full titles and images, not just a plain URL.

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- 02 Avoid ugly link breakage. The `validate_metadata` tool checks if your description is too long or too short for social media feeds, so you never lose key information due to truncation.

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  - 03 Saves development time. Instead of manually writing Open Graph code for every new content type, this MCP handles the complex HTML structure automatically.

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  - 04 Contextual accuracy. By running `get_content_types` first, your agent knows if it's dealing with a 'website' or an 'article,' ensuring the tags are structured correctly from the start.

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  - 05 Cross-platform consistency. You build one set of metadata, and this MCP ensures that both Open Graph (Facebook/LinkedIn) and Twitter Cards get perfect results.
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## Real-World Applications

### **A new blog post needs to go live.**

The Content Manager feeds the agent a draft article's title, summary, and URL. The agent runs `generate_html_tags`, spitting out perfect HTML tags that ensure the link looks beautiful when shared on X or Facebook.

### **I need tags for different content kinds.**

The Web Developer runs `get_content_types` first to see if they should use 'book' or 'profile'. Once confirmed, they feed the data into `generate_html_tags` to build accurate code.

### **I think my blog description is too long.**

The SEO Specialist inputs a draft's metadata and asks for a check. The agent uses `validate_metadata`, immediately flagging the text because it exceeds recommended length limits, saving them from having to guess.

### **We are updating our site structure.**

The team needs to know what tags work best for a new type of page. They use `get_content_types` to see all supported categories and then test `generate_html_tags` with the right context.

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# Patterns to Avoid

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## Writing generic meta descriptions.

### ✗ AVOID

Simply adding a basic `<meta name='description'>` tag is often enough for Google, but it doesn't guarantee how Facebook or LinkedIn will render the link preview. You risk having an ugly, unusable share card.

### ✓ INSTEAD

Use this MCP to generate specific Open Graph tags alongside Twitter Cards. This ensures that even if your basic description is fine, the social sharing platforms get the rich preview they expect.

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## Ignoring content context

### ✗ AVOID

If you treat a book's metadata like an article's, the resulting tags will be wrong. The platform doesn't know if it should display chapter listings or author bio details.

### ✓ INSTEAD

Always run `get_content_types` first to confirm the right category (e.g., 'book'). This context is critical for `generate_html_tags` to build the correct set of tags.

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## Overlooking platform limits

### ✗ AVOID

Writing a description that's 400 characters long looks great on your site, but when shared on Twitter, it gets chopped off awkwardly. The user won't know what the post is about.

### ✓ INSTEAD

Run `validate_metadata` before publishing. It tells you exactly if your text is too long for optimal social display.

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## The Right Fit

Use this MCP if your primary goal is ensuring that shared links look professional and rich across multiple social media platforms. If you're only optimizing for search engine results (Google/Bing), a standard SEO meta-tag generator might suffice, but it won't handle the unique requirements of platforms like Facebook or X. You need Open Graph tags because those are designed specifically for social sharing previews; they're different from general SEO tags. If you are simply generating basic HTML blocks without any validation or content type checking, you might just use a raw tag generator, but that leaves you blind to common errors in length and format. This MCP gives you the whole system: generation, validation, and context awareness.

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## The Messy Reality of Sharing Links Online

You write a beautiful article, hit publish, and send the link to your team. But when they paste it into Slack or email, what shows up? A jumble of text and an ugly URL that gives no clue what the post is about. You're doing all the work writing great content, only for the presentation layer—the preview—to fail you.

With this MCP, your agent handles the messy part. Instead of worrying about which combination of meta tags works where, you just give it the core data. It spits out a complete code block that forces every major social platform to display a rich, professional preview, making sharing effortless.

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## Open Graph Generator: Perfect Social Previews

The manual steps you used to handle were checking Facebook's required tags, then switching over to X's specific card requirements. You had to constantly copy-paste and verify that the description length was okay for every platform.

Now, your agent handles all of it in one go. It builds both Open Graph and Twitter Cards from a single input set, guaranteeing consistency and eliminating manual cross-platform checking.

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# Open Graph Generator MCP with 3 Tools

These tools let you generate the necessary code to ensure all your online content displays perfectly when shared across any major social network.

#	TOOL	DESCRIPTION
01	<code>get_content_types</code>	Lists all recognized categories of online content like articles or profiles.
02	<code>generate_html_tags</code>	Creates the necessary Open Graph and Twitter meta tags from provided title, description, and URL data.
03	<code>validate_metadata</code>	Checks if your submitted text adheres to best practices for optimal display length on social networks.

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## See It in Action

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

- U** Generate HTML tags for a blog post titled 'The Future of AI' with description 'Exploring the next decade of intelligence.' at URL 'https://vinkius.com/blog/ai-future' using the article content type.

```
<meta property="og:title" content="The Future of AI" />
<meta property="og:description" content="Exploring the next decade of intelligence." />
<meta property="og:url" content="https://vinkius.com/blog/ai-future" />
<meta property="og:type" content="article" />
<meta name="twitter:card" content="summary" />
<meta name="twitter:title" content="The Future of AI" />
<meta name="twitter:description" content="Exploring the next decade of intelligence." />
```

- U** Check if my metadata is good: Title: 'My Awesome Website', Description: 'This is a very long description that might be too much for some platforms to display correctly without truncation.'

```
{
  "isOptimal": false,
  "warnings": [
    "Description is too long"
  ]
}
```

- U** What are the available content types I can use?

```
The supported content types are: website, article, profile, and book.
```

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# Frequently Asked Questions

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## 01 How does the Open Graph Generator MCP improve my link previews?

The tool generates specific HTML tags that social media platforms recognize. This makes sure your shared link shows rich images, titles, and descriptions instead of just a plain URL.

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## 02 Can I use open-graph-generator mcp for multiple content types?

Yes. You can first run `get_content_types` to see all supported kinds, like 'article' or 'book,' and then feed the specific context into `generate_html_tags`.

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## 03 Does open-graph-generator mcp check if my text is too long?

The `validate_metadata` tool checks your titles and descriptions against best practices. It warns you in advance if the content will be truncated by social media platforms.

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## 04 What kind of tags does open-graph-generator mcp create?

It creates standardized Open Graph meta tags for Facebook and LinkedIn, plus Twitter Cards metadata. This covers most major sharing platforms.

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## 05 Is this better than just writing the HTML myself?

Yes. Manually coding these tags is complicated because every platform has slightly different rules. Our MCP handles that complexity automatically for you.







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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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
 <b>Claude AI</b>	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 <b>Cursor</b>	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 <b>VS Code</b>	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"open-graph-generator": {   "url": "..." }</code>
 <b>Windsurf</b>	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 <b>ChatGPT</b>	Settings → Tools & plugins → Add MCP server → Paste endpoint
 <b>Gemini</b>	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

# Open Graph Generator 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](https://cloud.vinkius.com) →

[vinkius.com](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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