

MCP SERVER

NO CODE

CLOUD HOSTED

# Urlbox MCP

Audit any web visual, from mobile views to PDFs.

Urlbox is your professional MCP for capturing and auditing web visuals. It lets your agent take pixel-perfect screenshots of any URL—from standard desktop views to mobile layouts and high-resolution retina captures. You can also generate a clean, shareable PDF document of an entire website page, making it ideal for QA testing, design reviews, or archiving dynamic content without ever touching a browser's developer tools.

**A+** Quality Score 100/100

screenshots

web-rendering

pdf-generation

automation

high-fidelity



# 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.

# Urlbox MCP

6 tools available

Cloud-hosted on Vinkius

Running web visual checks used to be a pain—you needed multiple tabs open and specialized software just to get proof that a site looked right on different devices. Now, you can hand the entire process off to your agent using this MCP. Your AI client handles all the complexity: it captures high-fidelity images of specific sections or renders entire pages top-to-bottom. Need to check how a landing page looks on an iPhone? Just ask for a mobile capture. Want proof for a design pitch? You can generate a professional PDF from any site. This means whether you're doing visual QA or building out content archives, your agent acts as the rendering engine. By connecting this MCP through Vinkius, you keep all your web data and metadata centralized, letting you focus on the audit results instead of the clicks.

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## Core Capabilities

### 01 — Capture standard website images

Takes a basic PNG screenshot of any specific URL.

### 02 — Audit full-page content

Captures the complete, scrollable view of an entire web page from top to bottom.

### 03 — Verify mobile responsiveness

Generates a screenshot using specific mobile user agents, showing how the site appears on a phone.

### 04 — Get high-resolution design proofs

Retrieves super-high-fidelity retina screenshots for professional visual audits.

### 05 — Convert pages to documents

Turns the content of a web page into a single, clean PDF file ready for sharing.

### 06 — Extract basic site data

Retrieves essential metadata about a given URL without rendering an image.

# One Click on Vinkius — From Prompt to Execution

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

- 01 Subscribe to this MCP and provide your Urlbox API Key.
- 02 Tell your AI client the specific action you need (e.g., 'Take a mobile screenshot of X URL').
- 03 The agent executes the render, returning the image link or PDF file for immediate use.

The bottom line is that you get accurate visual records and structured data without needing to manually click through browser settings.

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## Built For

Anyone whose job depends on visual proof—designers, QA specialists, or content marketers. You're the person who hates logging into five different testing environments just to check if a button moved an inch when viewed on a phone versus desktop.

### QA Specialist

Uses this MCP to verify that landing pages break correctly across mobile devices and fully render content without missing elements.

### UX Designer

Routs the tool through their agent to get retina-level screenshots, ensuring visual consistency across all proposed layouts before development starts.

### Technical Writer/Marketer

Automates the creation of content archives by converting complex web pages into clean PDFs for client handoffs or knowledge bases.

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## What Changes When You Connect

- 01 Stop manually capturing screenshots. You can use `take_mobile_screenshot` or `take_full_page_screenshot` to prove responsive design works across every screen size instantly.

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- 02 Never lose content context again. Instead of just a small PNG, use `generate_pdf` to archive the whole site as one clean document for easy sharing and offline reading.

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  - 03 Get superior visual proof for clients or stakeholders using `take_retina_screenshot`. This delivers image quality far beyond standard screen captures.

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  - 04 Audit sites quickly without needing full browser access. The `get_metadata` tool lets your agent pull basic data points about a URL first, saving render time.

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  - 05 Streamline QA testing by having your agent automatically compare views using multiple tools like `take_screenshot` and `take_mobile_screenshot`, all in one conversation.
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## Real-World Applications

### Checking a new homepage layout

The designer asks their agent, 'Show me the full-page view of the staging site and also give me a mobile version.' The agent uses `take_full_page_screenshot` and `take_mobile_screenshot` to provide two different, accurate visual proofs in one go.

### Verifying branding consistency

The QA specialist needs proof that the main product page looks identical across different resolutions. They use `take_retina_screenshot` to generate an ultra-high-res image suitable for a strict design audit.

### Documenting an old website

The operations lead needs to archive a site that is going offline. They ask the agent to 'Convert this entire URL into a PDF.' The agent uses `generate_pdf` and delivers a single, professional document for records.

### Initial content validation

Before rendering any images, the agent first runs `get_metadata` on suspicious URLs. This confirms if the site exists and provides basic data points (like titles) before committing to a lengthy render process.

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# Patterns to Avoid

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## Treating screenshots as files

### ✗ AVOID

Manually taking five different screenshots—one for desktop, one for mobile, one cropped, and one retina—and then trying to stitch them together in Photoshop.

### ✓ INSTEAD

Use your agent to run `take_mobile_screenshot` alongside `take_retina_screenshot`. This captures the necessary variations automatically, giving you multiple high-quality views without any manual stitching.

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## Ignoring full context

### ✗ AVOID

Capturing only a small section of content when troubleshooting. The resulting image is useless because it doesn't show if the footer or sidebars are broken.

### ✓ INSTEAD

Always request `take_full_page_screenshot`. This ensures you get one continuous image that shows every part of the page, providing complete context.

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## Over-relying on simple images

### ✗ AVOID

Sending a PNG screenshot to legal team members who need a permanent record. The image can be cropped or misinterpreted.

### ✓ INSTEAD

Use `generate_pdf` immediately after capturing the page. This creates an immutable, professional PDF that acts as both visual proof and a reliable document.

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## The Right Fit

You should use this MCP if your job requires absolute visual fidelity or verifiable web state capture. Specifically, if you need to compare how content appears across different devices (use `take_mobile_screenshot` vs. `take_retina_screenshot`), archive a site for long-term records ( `generate_pdf` ), or quickly validate a URL's presence without rendering anything (use `get_metadata` ). Don't use this if you simply need to send a quick, informal image of something on your screen; then a simple screenshot tool is enough. However, if the visual proof needs to be standardized, professional, and cross-platform, this MCP is mandatory.

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## The struggle with web content audits today

You know the drill: you have a new landing page. You open Chrome, check it on desktop. Then you switch to Safari in an incognito window and resize it for mobile testing. If you need proof for your manager, you end up taking three different screenshots, cropping them slightly differently, and then trying to stitch them together into one coherent document just so nobody asks for the 'real' full-page view.

With this MCP, that whole process vanishes. You simply ask your agent for a visual audit. It handles the rendering engine work, automatically providing everything from a standard desktop capture to a high-res retina image and even packaging it all into a professional PDF. You get perfect proof every time.

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## Urlbox MCP delivers full web context

You no longer have to manually switch between 'capture visible' modes or open the browser developer tools just to check if the content extends below the fold. You tell your agent to capture the entire page, and it handles the scroll depth.

The difference is that you stop managing visual data; you start receiving actionable intelligence. Your AI client delivers a complete package—a PDF, multiple image formats, and basic metadata—all in one conversational response.

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# Urlbox with 6 Tools

These tools allow your agent to perform every visual rendering task imaginable: capturing everything from full-page scrolls to specific device views and converting the output into documents.

#	TOOL	DESCRIPTION
01	<code>get_metadata</code>	Retrieves basic information like titles and descriptions for a given URL without generating an image.
02	<code>generate_pdf</code>	Converts the entire content of a specified web page into a professional PDF document.
03	<code>take_full_page_screenshot</code>	Captures an image that shows every bit of content on a URL, scrolling from top to bottom.
04	<code>take_mobile_screenshot</code>	Takes a screenshot simulating the view and layout of the website on a smartphone screen.
05	<code>take_retina_screenshot</code>	Retrieves an ultra-high-resolution image suitable for professional design critique.
06	<code>take_screenshot</code>	Captures a standard PNG screenshot of the visible area of a specific URL.

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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** Render a high-fidelity screenshot of <https://vinkius.com>.



I've rendered the screenshot! You can access the pixel-perfect image via the provided URL. Would you like a retina version or a mobile layout capture as well?

**U** Take a mobile screenshot of <https://github.com>.



Mobile capture initiated! I've retrieved the image showing how GitHub renders on a smartphone. Would you like to compare it with a desktop retina capture?

**U** Convert <https://www.bbc.com> into a PDF.



Conversion complete! I've generated a professional PDF of the BBC homepage. You can download the document using the provided URL. Would you like me to capture any other site?

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## Frequently Asked Questions

### 01 How does Urlbox MCP handle mobile testing?

You use the `take\_mobile\_screenshot` tool. This simulates a phone view using specific user agents, so you get an accurate image of how your site looks on a smartphone without needing to physically browse it.

### 02 Can Urlbox MCP turn multiple pages into one file?

The `generate\_pdf` tool converts a single URL's content into a professional PDF. To handle many pages, you would need to loop through the URLs and run this conversion for each one.

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**03 Is take\_retina\_screenshot better than take\_screenshot?**

Yes, `take_retina_screenshot` is designed for professional design audits. It provides a much higher pixel density image compared to the standard capture, which is crucial when verifying fine details.

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**04 Does Urlbox MCP just give me an image link?**

It gives you multiple outputs depending on what you ask for. For instance, if you request a PDF, it returns a downloadable file; if you only ask for metadata, you get structured data back.

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**05 What is the best way to audit a website with Urlbox MCP?**

Start by running `get_metadata` to check basic info. Then, follow up with both `take_full_page_screenshot` and `take_mobile_screenshot` to get comprehensive visual coverage.







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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>"urlbox": { "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

# Urlbox 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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