

Browser Rendering

Run headless Chrome on [Cloudflare's global network](#) for browser automation, web scraping, testing, and content generation.

[Available on Free and Paid plans](#)

Browser Rendering enables developers to programmatically control and interact with headless browser instances running on Cloudflare's global network.

Use Cases

Browser Rendering supports a wide range of use cases, including:

- Extract rendered HTML or convert webpages to Markdown using the [content endpoint](#) and [markdown endpoint](#)
- Create website thumbnails and social previews using the [screenshot endpoint](#)
- Generate PDFs from webpages and HTML content using the [pdf endpoint](#)
- Archive complete webpage states with the [snapshot endpoint](#) that captures both HTML and screenshots
- Build web scrapers that target specific elements or extract all links using the [scrape endpoint](#) and [links endpoint](#)
- Parse and structure webpage data into JSON format using the [json endpoint](#)

Browser Rendering is also ideal for agentic workflows. Use [Puppeteer](#), [Playwright](#), [Playwright MCP](#), or [Stagehand](#) to power AI agents that interact with web pages and extract data where APIs do not exist.

Key features

- **Scale to thousands of browsers:** Instant access to a global pool of browsers with low cold-start time, ideal for high-volume screenshot generation, data extraction, or automation at

scale

- **Global by default:** Browser sessions run on Cloudflare's edge network, opening close to your users for better speed and availability worldwide
- **Easy to integrate:** [REST APIs](#) for common actions, while [Puppeteer](#) and [Playwright](#) provide familiar automation libraries for complex workflows
- **Session management:** [Reuse browser sessions](#) across requests to improve performance and reduce cold-start overhead
- **Flexible pricing:** Pay only for browser time used with generous free tier ([view pricing](#))

Integration Methods

You can integrate Browser Rendering into your applications using one of the following methods:

- [REST API](#): Ideal for simple, stateless tasks like capturing screenshots, generating PDFs, extracting HTML content, and more.
- [Workers Bindings](#): Suitable for advanced browser automation within [Cloudflare Workers](#). This method provides greater control, enabling more complex workflows and persistent sessions.

Choose the method that best fits your use case. For example, use the [REST API endpoints](#) for straightforward tasks from external applications and use [Workers Bindings](#) for complex automation within the Cloudflare ecosystem.

Related products



Workers

Build serverless applications and deploy instantly across the globe for exceptional performance, reliability, and scale.



Durable Objects

A globally distributed coordination API with strongly consistent storage. Using Durable Objects to [persist browser sessions](#) improves performance by eliminating the time that it takes to spin up a new browser session.



Agents

Build AI-powered agents that autonomously navigate websites and perform tasks using [Playwright MCP](#) or [Stagehand](#).

More resources



[Get started](#)

Choose between REST API and Workers Bindings, then deploy your first project.



[Limits](#)

Learn about Browser Rendering limits.



[Pricing](#)

Learn about Browser Rendering pricing.



[Playwright API](#)

Use Cloudflare's fork of Playwright for testing and automation.



[Developer Discord](#)

Connect with the Workers community on Discord to ask questions, show what you are building, and discuss the platform with other developers.



[@CloudflareDev](#)

Follow @CloudflareDev on Twitter to learn about product announcements, and what is new in Cloudflare Workers.

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