

Prerender for Bots

Modern websites built with JavaScript frameworks often frustrate search bots. Crawlers struggle to parse client-rendered pages, leading to missed content, wasted crawl budgets, and slower time-to-rank. For e-commerce and content-rich websites, this directly translates into lost impressions and traffic.

Harper prerender for bots ensures that search engines see exactly what you want them to see: fast, complete, and indexable HTML. By rendering pages ahead of time, storing them in a high-performance datastore, and serving them instantly from the same regions the bots originate from, you maximize your site's search visibility.



Why It Matters

When your content is only available through client-side rendering, search bots see incomplete or delayed results. That means fewer pages crawled, rankings delayed, and campaigns underperforming. Every missed opportunity costs real revenue.

With Harper Prerender for Bots:

- HTML is rendered once, not on every bot request.
- Bots receive lightweight, compressed HTML snapshots instead of heavy JavaScript.
- Crawl budgets stretch further—up to 4x more pages crawled in the same window.
- Your origin stays protected, with costly compute cycles offloaded to Harper's edge network.

2 Milliseconds

P95 server latency for prerendered pages

400%

Increase in Crawl Rate

40 Million

SKUs kept online after an origin crash

How It Works

Harper uses a headless Chrome browser to prerender clean HTML snapshots based on your sitemap or submitted URLs. Each snapshot is compressed, stored in Harper's high-performance datastore, and delivered in milliseconds from distributed nodes.

Bot traffic is intelligently routed to prerendered pages, ensuring crawlers always see complete content while conserving origin resources. Rendering can be triggered on-demand, scheduled, or via API for maximum control.

Use It For

Search Engine Bot Optimization: Ensure crawlers see full content, improving rank and crawl rate.

Increase Crawl Rate: Faster pages means that search crawlers can crawl up to 4 times as many pages in the same time.

Cut Bot-Driven Costs: Prerendered pages shield your backend from heavy bot traffic, reducing compute and bandwidth costs.

Site Backup: Keep product pages live and customers buying even when origin systems are down.

DDOS Resilience: Skip waitrooms and keep customers shopping during attacks.

Origin
Systems

Data

API

Crawls Site &
Render Pages

Render Nodes

Edge
Systems

Pre-Rendered Cache

Page
Cache

Page
Cache

Page
Cache

Routing

Security

Instant
Page Load

Clients /
Bots

Ready When You Are

Harper Prerender for Bots is designed for high-scale SEO. Whether your site has millions of URLs or just a handful of high-value pages, Harper's white-glove pilot handles setup, URL targeting, and seamless edge delivery.

See it in action: Contact Harper to launch a free, custom proof of concept tailored to your search optimization needs.