

Cloudflare's EmDash: A Serverless TypeScript CMS That Sandboxes Every Plugin

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2026-04-07

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A Serverless CMS That Sandboxes Every Plugin

TypeScript WordPress successor with isolated Worker plugins

96% Of WordPress vulnerabilities come from plugins	11,334 New WP vulnerabilities in 2025 +42% year over year	7.8K GitHub stars in one week 568 forks, MIT-licensed
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April 7, 2026

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Cloudflare [released the beta of EmDash](#), a TypeScript CMS built on [Astro](#) that it calls “the spiritual successor to WordPress.” The headline feature is plugin sandboxing. WordPress plugins share the CMS’s PHP process with full database and filesystem access. [96% of WordPress vulnerabilities come from plugins](#), and Patchstack counted [11,334 new ones in 2025](#), up 42% year over year. EmDash runs each plugin in its own [Dynamic Worker](#) isolate with a capability

manifest: a plugin requesting `read:content` and `email:send` can do exactly those two things, nothing else. The [project hit 7,800 stars](#) in a week. It's MIT-licensed with WordPress import tooling, passkey auth, and a built-in MCP server.

Patchstack found the median time from disclosure to mass exploitation was [5 hours in 2025](#), and 46% of plugin vulnerabilities never got patched. EmDash turns plugin trust into a readable manifest instead of a code audit. Sandboxed plugins require Cloudflare's \$5/month paid tier. Self-hosted Node.js installs lose the sandbox.

WordPress won on its ecosystem of 60,000+ plugins, not code quality, and EmDash starts at zero. The [694-point Hacker News debate](#) was skeptical. But the security architecture is sound: declare what a plugin can do, enforce it at the runtime level, stop trusting code you haven't read.

Sources:

- [Cloudflare Blog: Introducing EmDash](#)
- [EmDash GitHub Repository \(7.8K stars\)](#)
- [Patchstack: State of WordPress Security in 2025](#)
- [Patchstack: State of WordPress Security in 2026](#)
- [Hacker News Discussion \(694 points\)](#)

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