

Refactor your applications with Cloudflare's connectivity cloud

Transform your architecture to deliver modern AI and full-stack applications to your distributed users

Application modernization projects can be challenging

To compete, you strive to provide applications that deliver intelligent, personalized, real-time, collaborative experiences to users, anytime, anywhere. Unfortunately, fragmented app architectures and apps 'lifted and shifted' into the cloud worsen the chaos, increase the complexity, and invite bad actors on the open Internet.

Build apps with AI, serverless, and microservices

Refactoring allows you to transform your existing application infrastructure and build new applications with AI, serverless, and microservices. You can regain control over your infrastructure and security, while enabling better, faster decision-making greater AI usage to drive efficiencies and innovation.

Refactoring with Cloudflare's connectivity cloud

Cloudflare's [connectivity cloud](#) enables the shortest time to reimagining digital experiences for your users. Cloudflare's Internet-optimized AI and app primitives are easy to build with and integrate into your existing tech stack - never suffer from cold starts again. Now you can run AI inference closest to your users, build and deploy full-stack apps quicker than your peers, and ensure unparalleled performance and resiliency.



95%

of respondents to a recent survey believe application modernization is essential for their organization's success¹

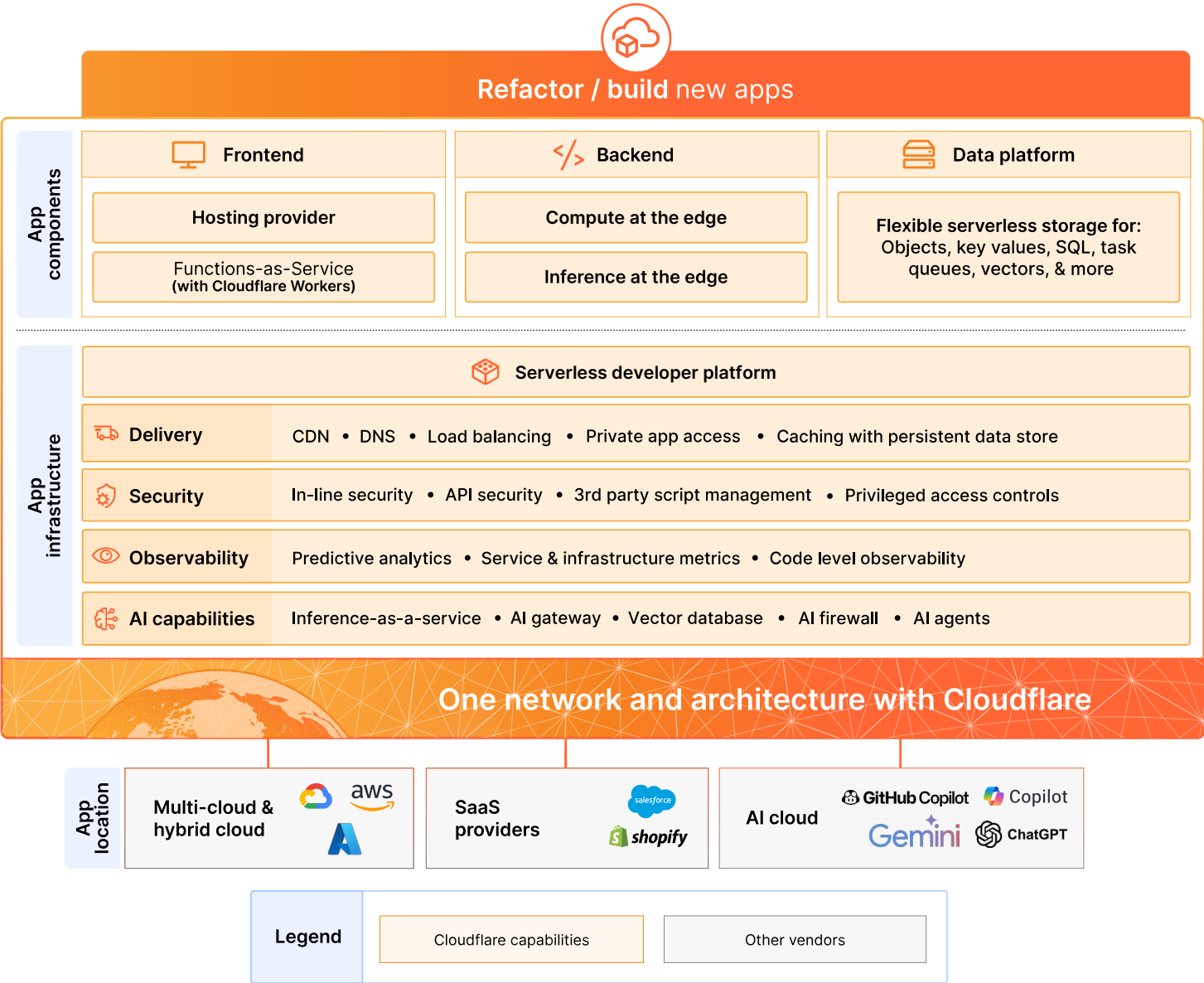
63%

of engineering teams say technical debt is slowing down application delivery—and refactoring is the most common solution²

80%

of the top 50 AI companies use Cloudflare's connectivity cloud to build, scale, and secure their applications

Cloudflare unified platform accelerates how you consume and deploy new functionality and AI



Benefits of refactoring with Cloudflare



Increase developer velocity and create new revenue streams

Our developer-oriented infrastructure-as-code (IaC) integrations and API-first approach enhance the developer experience and manage pipelines programmatically. We enable you to bring new products and services to market faster to generate new revenue streams. Your developers retain complete control over application development, infrastructure, and security to reduce operational overhead and accelerate time-to-market.



Improve application performance and scalability

Run workloads on Cloudflare's infrastructure that was built for the AI-era. Cloudflare's network allows you to instantly deploy applications, APIs, and AI services across 335+ cities, with no regions to configure, no extra setup. Our modular, natively-integrated AI, development, delivery, security, and observability capabilities are reusable primitives for quickly assembling full-stack and AI apps.



Reduce costs

Save by moving from expensive hybrid and public cloud server infrastructure that you have to provision, manage, and maintain to Cloudflare. Our serverless development platform provisions the application infrastructure for you, so you can focus your resources on other mission critical projects. Gain additional efficiencies by consolidating point solutions on our modern, unified platform.



Reduce risks

Use Cloudflare's built-in security and monitoring to reduce the risks and increase the availability and reliability of your AI services and data-driven applications. All these applications are inherently protected from Internet threats by our secure network, reducing the need for developers to be security experts and strengthening your overall security and compliance.

Use Cases - Application Development Use Cases

Store AI training data with global, low-latency availability and compliance

Cloudflare R2 and Regional Services stand out as the only scalable and regionally compliant object store that enables you to move AI training data without egress fees. This empowers you to leverage the best training technology for cost and performance in a constantly evolving compliance landscape.

Build user marketplace apps

Cloudflare offers multiple ways to store, optimize, and deliver user generated content, including Cloudflare Images for optimized image storage and delivery; Cloudflare Stream for seamless video ingestion and playback; and Cloudflare R2 for fully customizable, S3-compatible object storage with no egress fees.

Build programmable SaaS platforms

Cloudflare Workers for Platforms lets your customers run their custom code directly in an isolated, managed environment without exposing your infrastructure. Built-in controls eliminate security and compliance risks while automatic scaling simplifies extensibility and reduces complexity.

Build real-time audio and video apps

Cloudflare provides primitives and a serverless app infrastructure to create and scale chat, audio and video apps that require consistent state and coordination across clients and geographies in real-time.

Application Infrastructure Use Cases

Secure and moderate content of LLM services

Cloudflare's Firewall for AI is an advanced Web Application Firewall (WAF) that provides a new protection layer that can be deployed in front of Large Language Models (LLMs) to identify abuses before they reach the models.

Extend visibility across AI and full-stack application workloads

Cloudflare's AI Gateway allows you to gain visibility and control over your AI apps with features such as caching, analytics, rate limiting, as well as request retries, model fallback, and more.

Secure privileged access to your developer infrastructure

Cloudflare Secrets Store helps you centralize management of API tokens, keys, and credentials, improve security, and restrict access to sensitive values on the Cloudflare platform.

1. RedHat <https://www.redhat.com/en/resources/app-modernization-report>
2. Stripe Developer Coefficient Report 2023

Request a consultation to see how Cloudflare can accelerate time-to-value for your app modernization projects.

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- Built Oxygen, fast, globally available, Shopify-integrated merchant storefronts, using Workers for Platforms
- 6 million customer domains & storefronts secured

"Cloudflare is one of our most important partners... it would be very difficult to find someone else we could rely on in the same way."

Duncan Davidson
VP of Developer Productivity

Read more