

Extend application lifespan, embrace agility

3 smart ways to modernize your apps



Modernize to compete

By 2027, more than 60% of businesses will have modernized up to half of their cloud architecture to drive agility and innovation



Enable application agility

86%

reported their organizations experienced application limitations due to technical debt ¹



Embrace AI

37%

of organizations are increasing IT spend in 2025 to prepare for greater use of AI ²

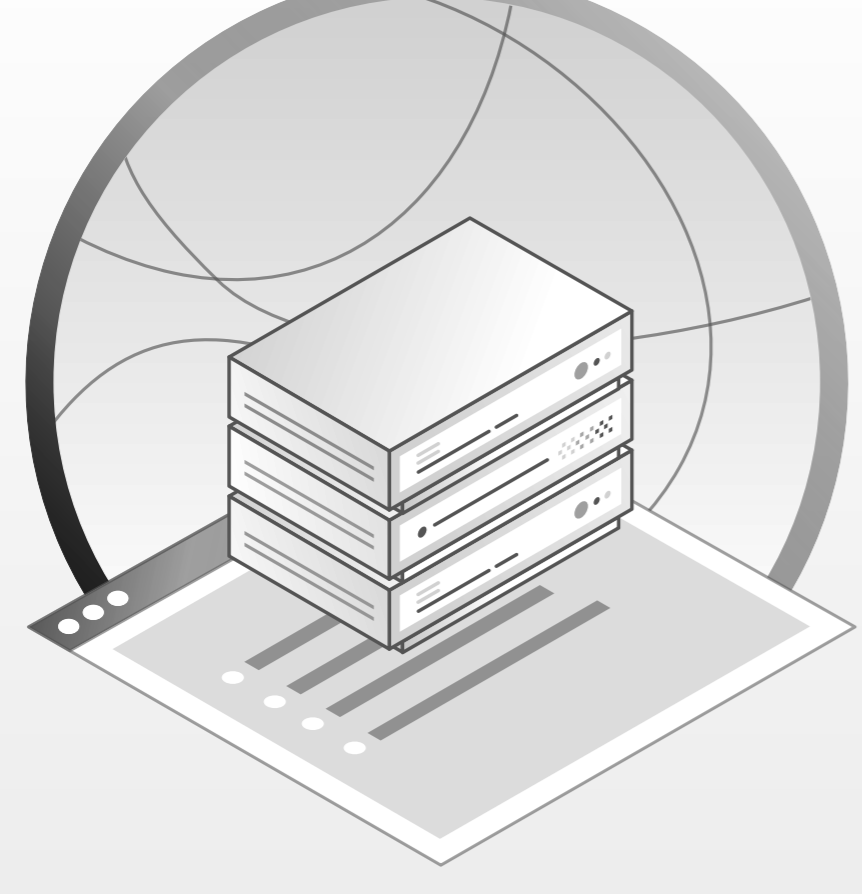
There are 3 popular application infrastructure and architecture modernization approaches

Rehost application infrastructure	Replatform applications	Refactor legacy applications and build new applications
<p>Migrate apps and app infrastructure "as-is" to the cloud (or vice versa), with no code changes to underlying app</p>	<p>Optimize apps and their infrastructure (e.g.: with containers, serverless, or managed services) for multi-cloud and hybrid environments</p>	<p>Transform and Build new app architecture to use modern technologies (incl. AI, serverless and microservices architectures) and manage tech debt</p>

However, 79% of application modernization initiatives are destined to fail because of...

- Complex application architectures across organization
- Security bottlenecks and incidents
- Cost overruns due to resource draining

Delaying application modernization efforts can cost **50% more** due to legacy application operations and maintenance ³



Traditional IaaS depends on a patchwork of "band-aid" services adding complexity, hindering business agility, and revenue growth

Pain point	Impact
Complex architecture and service integrations	Slower deployment and performance impacting UX
Friction between development and security	Slower time-to-market limiting competitive advantages
Over-provisioning of application and AI resources	Higher operating costs impacting budgeting and transparency

71% of organizations find it challenging to provide a unified security posture across different hosting environments ⁴

Accelerate your application modernization project with Cloudflare



The Cloudflare difference	Impact
Composable services with built-in security	Faster time-to-market
Developer-oriented platform with API-first approach	Faster, global deployments
Region: Earth for your application deployment, automatically	Lower operating costs

Simplify operations, eliminate key-person dependencies, and future-proof your deployments with our easy-to-use, unified platform

Explore how customers drive growth, reduce risk, and lower costs on these application modernization projects with Cloudflare

Click each logo to learn more



Personalizing online shopping

"Cloudflare puts our services within 50 milliseconds of anybody on the planet. That allows us to build experiences that feel local to everyone, everywhere, at any time."

Duncan Davidson
VP of Developer Productivity,
[Shopify](#)



Securing global e-commerce

"Cloudflare thwarted 450 million threats in one year. Each and every one of them could have had serious financial repercussions."

Damian Apone
Global Director of Governance,
Risk, Compliance, and Security,
[Genuine Parts Company](#)



Elevate your application modernization journey today

[Learn more](#)

Sources:

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3. IBM, Four steps to app modernization success, 2022
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