# Modernize your existing applications and build new cloud-native ones

## Modernizing with containers can reduce costs and security risks while delivering apps faster



Digital transformation is the key to your success. That's why leaders are prioritizing investments to stay competitive. Successful digital transformation starts with business and IT systems focused on modernizing to a hybrid cloud architecture that reduces technical debt and accelerates applications to market.

A business can have 500 or more applications with many containing technical debt but receiving insufficient modernization investment.[1] This debt can result in security weaknesses and inefficient resource use. An effective modernization strategy is critical to minimize technical debt.

Whether your organization is maintaining, modernizing or building new cloud-native Java applications, IBM Cloud Pak® for Applications delivers a comprehensive collection of cloud-native runtimes, AI-powered application modernization tools, and a Kubernetes Platform.

Your teams will be empowered to efficiently modernize your Java runtime, refactor enterprise applications, replatform to containers and build new cloud-native applications.

IBM Cloud Pak for Applications includes:

– Application runtimes of your choice such as IBM® WebSphere® Application Server (WAS), IBM WAS ND, IBM WebSphere Liberty, Open Liberty®, Red Hat® JBoss® EAP, Quarkus, Tomcat and more

– Frameworks and technologies like Red Hat Data Grid, Node.js, OpenJDK, Spring Boot and more
– Application modernization tools including IBM Transformation Advisor, IBM Mono2Micro, IBM WebSphere Migration Tool Kit and Red Hat Migration Tool Kit for Applications
– Open-source Kubernetes container platform Red Hat OpenShift®

It can help you:

– Sustainably reduce costs and resource consumption, minimizing disk usage by 77% and memory usage by 67%.[2]
– Make development teams 31% more productive.[3]
– Release 40% more applications per year.[3]
– Release 21% more efficient IT infrastructure teams using Red Hat OpenShift.[4]

IBM Cloud Pak for Applications provides you choice and empowers your team to modernize to a hybrid cloud environment enabling reduction in technical debt and accelerating application delivery. IBM Cloud Pak for Applications lets you access IBM world-class support and application modernization tools.

Learn more about [IBM Cloud Pak for Applications](#)

1. Application Services Survey, IDC, November 2022.
2. 6 reasons why Liberty is an ideal choice for developing and deploying microservices, IBM Developer, December 2023
3. The Business Value of IBM WebSphere Liberty, IDC, September 2023
4. The Business Value of Red Hat OpenShift, IDC, March 2021