Application Modernization

Leverage a team of experts to successfully elevate your existing applications and unlock the power of cloud native development.

Early approaches to cloud adoption focused on infrastructure and application migration, with very little attention to the underlying code. While the cloud delivered the benefits of elasticity and scale, its full benefit can't be unleashed without application modernization.

Cloud native application development allows you to unlock the full potential of running applications in the cloud. If you're hindered by the complexity of public cloud technologies and modern architectures, we're here to help with guidance and support for reengineering your applications and updating your workflows. With specialization in .NET to .NET Core, cloud native SaaS platforms and a proven framework for monolith to microservices decomposition, we're ready to help you maximize the agility, reliability and cost-saving benefits only the cloud can deliver.

Modernization Strategies

There is no one-size fits all pathway to modernization. Our architects will assess your applications and infrastructure in the context of your business goals and your team's strengths to determine which combination of cloud technologies and architectural patterns will best fit your long-term roadmap:

Serverless refactoring: Build self-healing, auto-scaling, applications, unchained from the limitations of servers. Serverless architectures offer the highest efficiency and cost benefits of the cloud by pushing nearly all infrastructure and software management to the platform.

Container adoption: When serverless isn't an option, containers are the preference for deploying modern, complex, distributed applications. Containers often require minimal changes to the application, making them the perfect evolutionary step when significant refactoring isn't appropriate

Cloud-Native Replatforming: Incrementally modernize your application by adopting managed platform services as drop-in replacements for databases, messaging, API management, logging, monitoring, alerting and more.

Use cases

NET to .NET Core: Eliminate pricey Windows licenses by leveraging containers and serverless technologies in your legacy applications. After performing a thorough audit of your codebase and application architecture, we'll recommend and execute on a strategy to refactor your legacy .NET applications to .NET Core.

Monolith to microservices: A key tenant of a modern application is organizing it into logical services that can be developed, scaled and deployed independently while giving service teams the freedom to choose the appropriate technologies for their needs. Our experts can accelerate your effort to break up your existing monoliths by applying proven techniques to incrementally refactor your application without requiring years of investment or stopping new feature development.

SaaS-ify legacy apps: Users are demanding an application experience that is available anytime, anywhere and constantly updated without the need to manage and run software. By refactoring your legacy desktop, on-premises and single-tenant applications to be delivered in a web and mobile SaaS model, you can reach these users while improving your product and reducing your operating costs and complexity. We can guide and accelerate your SaaS journey with our unique experience in building and refactoring SaaS application in the cloud.

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Our approach

Assessment
Through a collaborative process, our team of business analysts and architects will review your application portfolio to understand existing architectural patterns, infrastructure, tools, and processes. We'll evaluate the current state against business, functional, technical, and cost objectives and align your teams' skills and gaps with modern development processes and technologies.

Roadmap and Design
Based on the assessment and your business goals, our solution architects will categorize your applications by modernization approach and design a reference, blueprint architecture. We'll select tools and technology and define a roadmap that focuses on early wins that build momentum and maximize ROI.

Pilot Project
Following the adage of "think big, start small", we'll start the modernization with a pilot project that focuses on defining repeatable patterns, rapid delivery and demonstrating business value. Through hands-on work, our teams will continue to refine the architecture and processes that enables large scale modernization of your portfolio.

Large Scale Modernization
Building on the momentum from the pilot project, our team will consolidate best practices into a foundational platform that enables building, deploying, and operating modern applications at scale. Our delivery process prioritizes agility and transparency, enabling your teams through our "do with" development approach.

Take your next steps toward

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About Onica by Rackspace Technology™

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