

# Application Modernization

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 on Amazon Web Services (AWS). If you're hindered by the complexity of public cloud technologies and modern architectures, Onica by Rackspace Technology™ is 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 that AWS delivers.



## About Onica by Rackspace Technology™

- 2,500+ AWS accreditations
- 16 AWS Service Delivery Designations
- AWS 2021 Migration Partner of the Year (U.S. and Canada)

## Expertise Across 16 AWS Competencies

- Data & Analytics
- DevOps
- Education
- Financial Services
- Healthcare
- Industrial Software
- IoT
- Machine Learning
- Microsoft Workloads
- Migration
- Oracle
- Retail
- SaaS
- Storage
- Travel & Hospitality
- Cloud Operations

### Modernization Strategies

There is no one-size fits all pathway to application 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 ideal option, containers are the preference for deploying modern, complex and 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 AWS managed services as drop-in replacements for databases, messaging, API management, logging, monitoring, alerting and more.

### Use Cases for Application Modernization

**.NET to .NET Core:** Eliminate pricey Windows licenses by leveraging containers and serverless technologies in your legacy applications. We'll perform an audit of your codebase and application architecture, providing you with a roadmap to refactor your legacy .NET applications to .NET Core.

**Monolith to microservices:** We'll help 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 applications:** Users are demanding an application experience that's available anytime, anywhere, without managing software. By refactoring your applications to be delivered in a web and mobile SaaS model, you can reach more users, improve your product and reduce your operating costs and complexity. We can guide and accelerate your SaaS journey.

## The Onica Approach

### 1 Application Modernization Workshop

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.



### 2 Legacy Systems Assessment

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 on AWS and define a roadmap that focuses on early wins that build momentum and maximize ROI.



### 3 Application Modernization

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, the Onica team will continue to refine the architecture and processes that enables large scale modernization of your portfolio.

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 the Next Step

Let's talk about how Onica by Rackspace Technology expertise helps you achieve application modernization.

1-800-961-2888

[onica@rackspace.com](mailto:onica@rackspace.com)

[www.rackspace.com/onica-by-rackspace-technology](http://www.rackspace.com/onica-by-rackspace-technology)

