

# Windows Modernization Assessment

Leverage a team of experts to unlock the power of cloud native development and eliminate costly licenses.

Early cloud adoption approaches focused on migrating applications and infrastructure with minimal changes to the code or architecture. While these migrated workloads usually benefit from the elasticity and scale of the cloud, unlocking the full potential of the cloud requires modernizing the application code and architecture.

Companies that have invested in the Windows ecosystem and build applications using .NET often struggle to realize the benefits of containers, serverless and other cloud native technologies due to the shackles of licenses. With deep expertise in cloud native development, Rackspace Technology® will help identify pathways to unlock the benefit of the cloud, without requiring rebuilding your entire application portfolio and retraining your workforce.

## 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. Your strategy may include:

**.NET Refactor:** Refactor legacy .NET applications to the latest version of .NET Core/5, enabling you to run your code in Linux environments, containers and even serverless without requiring your teams to learn completely unfamiliar languages and runtimes.

**Container adoption:** Break up monoliths into microservices and leverage cloud native container services, such as Amazon EKS and AWS Fargate, to provide a consistent environment from development through production.

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

**SQL Server migration:** Leverage open-source, born-in-the-cloud databases, such as Amazon RDS and Amazon Aurora, to reduce costs and improve performance.

## Benefits of Modern Applications

**Accelerate innovation:** Transform your business, processes and technology to increase agility and tighten the feedback loop between your company and your users.

**Develop at cloud scale:** Leverage fully managed platform services, adopt auto-scaling and design self-healing systems that perform through unpredictable traffic bursts and remain resilient despite unexpected failures.

**Enhance security:** Improve your security posture by leveraging newer application frameworks and services, where security is integrated from the start.

**Reduce costs:** Stop paying for Windows licenses and idle resources. Leverage services, frameworks and infrastructure that's on when you need it and off when you don't.

**Automate everything:** Enjoy the confidence that comes with automated testing, building and software deployment, allowing you to release early and often.

**Focus on your core competencies:** Adopt platform services to offload undifferentiated work, such as database management, scaling infrastructure or patching software storage systems, and supporting software so you can focus on your product.

## Engagement overview

The experts at Rackspace Technology will collaborate with your team to evaluate your application portfolio and provide recommendations for a pilot application to modernize, along with backlog, roadmap and cost estimate for modernization efforts. This accelerated assessment includes a discovery session, technology exploration and delivery of a roadmap.

### Discovery session

We'll conduct a joint whiteboarding session in which we review your application portfolio, technologies and architecture, as well as current development processes and team skills.

- Evaluate applications against business, functional, technical and cost objectives
- Understand current use of Windows-dependent technologies and evaluate modernization opportunities
- Review the use of SQL Server and other organizational data needs to identify migration requirements
- Utilize automated analytics tools to determine .NET Core porting compatibility, complexity and effort
- Align team skills and fill gaps with modern development processes and technologies

### Technology exploration and roadmap

- Through a collaborative process, our team will work with you to develop a modernization roadmap, taking into account resource consumption, licensing costs and alignment to your business and technical goals.
- Categorize applications to determine modernization strategies, including refactoring to .NET Core, leveraging containers, incorporating serverless and retiring applications
- Explore and select tools, technologies, architectural patterns and processes based on applicability to your existing portfolio
- Define a modernization roadmap with a focus on quick wins, building momentum and maximizing ROI
- Identify and scope a target pilot application to serve as a model for a broader modernization effort

### Take the next step

Learn more: [www.rackspace.com/applications/application-modernization](http://www.rackspace.com/applications/application-modernization)

Call: 1-800-961-2888

## Why Rackspace Technology

Rackspace Technology is your trusted partner across cloud, applications, security, data and infrastructure.

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- Audited Managed Service Provider

### Comprehensive AWS capabilities

#### 15 AWS Competencies

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- DevOps
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#### 11 AWS Service Delivery Designations

- Amazon CloudFront
- Amazon DynamoDB
- Amazon EC2 for Windows Server
- Amazon EMR
- Amazon RDS
- Amazon Redshift
- AWS CloudFormation
- AWS Database Migration Service
- AWS IoT Core
- AWS Lambda
- AWS Server Migration Service

