

Application Modernization Assessment & Advisory Services: Unlock the power of cloud native development

Early cloud adoption approaches focused on application migration and infrastructure, without considerations for code or architecture. While these migrated applications sometimes benefit from the elasticity and scale of the cloud, to unlock the full value of the cloud, you must modernize the application code or consider building a new cloud native application.

Many companies undertaking application modernization are slowed by the complexity of public cloud technologies, modern architectures and the new processes and development workflows that come with them. With deep expertise in cloud native development, Onica by Rackspace Technology™ will help you re-engineer your legacy applications to maximize the agility, reliability and cost-saving benefits of the cloud.

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

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 scale seamlessly 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 idle resources by leveraging services, frameworks and infrastructure that's on when you need 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 Onica® 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 five-day assessment includes:

Discovery Session

We'll conduct a joint whiteboarding session to review your application portfolio, technology and architecture, and examine your current development processes and team skills.

- Evaluate applications against business, functional, technical and cost objectives
- Review application and organizational data needs, including migration requirements
- Understand existing architectural patterns, infrastructure, tools and processes
- Align team skills and fill gaps with modern development processes and technologies

Technology Exploration & Roadmap

Through a collaborative and deliberative process, our team will work with you to develop a modernization roadmap aligned to your business goals.

- Categorize applications by modernization strategies (e.g., replatform, refactor, rewrite or retire)
- Explore target tools, technologies, reference architectural approaches 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 your next steps toward application modernization

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