

# AWS Serverless Enablement & Ideation Workshop

Gain hands-on experience building serverless applications and kick-start your modern application development journey.













Many companies taking steps toward building modern applications are challenged by the complexity of public cloud technologies, modern architectures and the new processes and development workflows that come with them.

This workshop, led with Rackspace Technology architects, will provide your teams with baseline knowledge of serverless technologies, modern architectures and development workflows designed to help you fast-track the adoption of modern application development.

## What to expect

We'll help you gain familiarity with AWS serverless technologies, event-driven architectures and development workflows. We'll walk you through how to build a serverless application, including API design, authentication and authorization, as well as how to promote between development and production environments. We'll then work with your team on identifying a pilot project based on your business use case through an ideation and roadmap whiteboarding session.

By the end of the workshop, your team will have hands-on experience building serverless applications with several purpose-built AWS services.

Compute	Storage	Database
 AWS Lambda	 Amazon S3	 Amazon DynamoDB
API Proxy	Workflow Orchestration	Monitoring & Debugging
 Amazon API Gateway	 AWS Step Functions	 AWS X-Ray
Messaging & Queues		Analytics
 Amazon SQS	 Amazon SNS	 Amazon EventBridge
		 Amazon Athena Serverless
		 Amazon Kinesis
		 Amazon QuickSight

## Benefits of modern applications

### Accelerate innovation

Transform your business, processes and technology to increase agility and tighten the feedback loop between your company and its users.

### Develop at cloud scale

Leverage fully managed, auto-scaling and self-healing systems to scale seamlessly through unpredictable traffic 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 there when you need it, and off when you don't.

### Focus on your core competencies

Leverage cloud native technologies 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.

### Build-in automation

Automated testing, building and deployment software provides the confidence and ability to release early and often.

# Engagement overview and agenda

Learn technology best practices and explore art-of-the-possible business transformation through our architect-led technical and ideation workshop.

## Day 1

You'll get hands-on training on how to use specific tools, technologies, processes and frameworks to build modern applications.

- **AWS Basics Boot Camp:** Networking, database, infrastructure, compute and analytics
- **Serverless Concepts:** Function-as-a-service (FaaS), cost management, auto-scaling, high-availability and durability
- **AWS Serverless Offerings:** AWS Lambda, Amazon DynamoDB, Amazon API Gateway, Amazon Kinesis, AWS IoT, AWS EventBridge and AWS Step Functions
- Serverless-specific tooling and best practices on how to overcome common development challenges in adopting modern architectures and cloud native technologies.

## Day 2

During this ideation and roadmap whiteboarding session, we'll discuss your use cases and define a pilot project.

1. Identify a target application through a portfolio review
  - Identify candidate applications (new build or modernization)
  - Explore target tools, technologies, reference architectural approaches and processes
  - Define target state outcomes and success metrics
  - Identify roadblocks to success, including political, cultural, technical and process
2. Scope a target pilot application
  - Conduct long range planning session for target application
  - Define high-level project roadmap, milestones and backlog
  - Estimate resources requirements and costs

## Take the next step

Learn more: [www.rackspace.com/?](http://www.rackspace.com/?)

Call: 1-800-961-2888

# Why Rackspace Technology

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

- 2,700+ AWS technical certifications worldwide
- Audited Managed Service Provider

## Comprehensive AWS capabilities

### 15 AWS Competencies

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

### 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

