



# AWS Ramp-Up Guide: Modernization Pathways

These are the most salient learning resources from our classrooms, digital curricula, video library, and AWS Lab Environment, that relate to to AWS Modernization Paths. This guide includes several pathways and is not intended to be consumed entirely. Different sections tackle modernization pathways. Some resources will be less relevant to you today. The guide will help you decide where you want to start your learning journey, and which step should be your next.

Share [your opinion](#) of this Ramp-Up Guide with us!

## Learn the Fundamentals of the AWS Cloud

Learning Resource	Type
AWS Ramp-Up Guide: Cloud Essentials	<a href="#">Ramp-Up Guide</a>

## Move to Managed Analytics

Learning Resource		Duration (hrs)	Type
Data Analytics Fundamentals	Fundamental	3.5	<a href="#">Digital Training</a>
Getting Started with AWS Glue	Fundamental	1.0	<a href="#">Digital Training</a>
Getting Started with Amazon EMR	Fundamental	1.0	<a href="#">Digital Training</a>
Getting Started with Amazon Redshift	Fundamental	1.0	<a href="#">Digital Training</a>
Best Practices for Data Warehousing with Amazon Redshift	Advanced	1.5	<a href="#">Digital Training</a>
\$ Working with Amazon Redshift	Intermediate	2.0	<a href="#">Self-Paced Lab</a>
\$ Building with Amazon Redshift Clusters	Intermediate	1.0	<a href="#">Self-Paced Lab</a>
Amazon QuickSight - Getting Started	Fundamental	1.0	<a href="#">Digital Training</a>
\$ Building BI Dashboards with Amazon QuickSight	Fundamental	1.3	<a href="#">Self-Paced Lab</a>
\$ A Day in the Life of a Data Engineer	Intermediate	2.0	<a href="#">Self-Paced Lab</a>
Introduction to Amazon Athena	Fundamental	0.2	<a href="#">Digital Training</a>
AWS Cloud Quest: Data Analytics		12.0	<a href="#">Digital Training</a>

## Move to Modern DevOps

Learning Resource		Duration (hrs)	Type
Getting Started with DevOps on AWS	Fundamental	1.0	<a href="#">Digital Training</a>
\$ Automate Application Testing Using AWS CodeBuild	Advanced	1.0	<a href="#">Self-Paced Lab</a>
Build and Deploy APIs with a Serverless CI/CD	Intermediate	0.8	<a href="#">Digital Training</a>



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\$	Create a CI/CD pipeline to deploy your app to AWS Fargate	Intermediate	1.0	<a href="#">Self-Paced Lab</a>
	Getting Started with AWS CloudFormation	Fundamental	0.3	<a href="#">Digital Training</a>
\$	Introduction to AWS CloudFormation	Fundamental	0.8	<a href="#">Self-Paced Lab</a>
	Improve Code Quality with Amazon CodeGuru Reviewer	Fundamental	1.0	<a href="#">Digital Training</a>
	Advanced Testing Practices Using AWS DevOps Tools	Advanced	2.5	<a href="#">Digital Training</a>
	Managing the Application Lifecycle in Amazon ECS	Advanced	1.5	<a href="#">Digital Training</a>

## Move to Cloud Native Serverless

Learning Resource		Duration (hrs)	Type	
AWS Lambda Foundations	Fundamental	2.0	<a href="#">Digital Training</a>	
Architecting Serverless Applications	Intermediate	2.0	<a href="#">Digital Training</a>	
Amazon API Gateway for Serverless Applications	Fundamental	2.0	<a href="#">Digital Training</a>	
Designing Event-Driven Architectures	Intermediate	2.0	<a href="#">Digital Training</a>	
Introduction to Step Functions	Fundamental	0.3	<a href="#">Digital Training</a>	
Deploying Serverless Applications	Intermediate	0.3	<a href="#">Digital Training</a>	
Building Event-Driven Applications With Amazon EventBridge	Intermediate	2.0	<a href="#">Digital Training</a>	
Amazon DynamoDB for Serverless Architectures	Fundamental	2.0	<a href="#">Digital Training</a>	
Getting Started with Migration Hub Refactor Spaces	Fundamental	1.0	<a href="#">Digital Training</a>	
\$	Introduction to AWS Lambda	Fundamental	0.8	<a href="#">Self-paced Lab</a>
\$	Building Event-Driven Applications With Amazon EventBridge	Intermediate	3.0	<a href="#">Digital Training (includes labs)</a>
\$	Serverless Web Apps using Amazon DynamoDB - Part 1	Fundamental	1.0	<a href="#">Self-paced Lab</a>
\$	Serverless Web Apps using Amazon DynamoDB - Part 2	Fundamental	1.0	<a href="#">Self-paced Lab</a>
\$	Serverless Web Apps using Amazon DynamoDB - Part 3	Fundamental	1.0	<a href="#">Self-paced Lab</a>
\$	Build a Serverless Architecture with Amazon Simple Notification Service, Amazon Simple Queue Service, and AWS Lambda	Intermediate	1.0	<a href="#">Self-paced Lab</a>
\$	AWS Cloud Quest: Serverless Developer		12+	<a href="#">Game-based Learning</a>

## Move to Containers with Amazon ECS

Learning Resource		Duration (hrs)	Type
Introduction to AWS Fargate	Fundamental	0.3	<a href="#">Digital Training</a>



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Getting Started with Amazon ECR	Fundamental	0.5	<a href="#">Digital Training</a>
Getting Started with AWS Fargate	Fundamental	0.5	<a href="#">Digital Training</a>
\$ Working with Amazon Elastic Container Service	Fundamental	1.0	<a href="#">Self-paced Lab</a>
Getting Started with Amazon ECS	Fundamental	0.5	<a href="#">Digital Training</a>
\$ Create a CI/CD pipeline to deploy your app to AWS Fargate	Intermediate	1.0	<a href="#">Self-paced Lab</a>
Building Enterprise Architectures in Amazon ECS	Advanced	1.5	<a href="#">Digital Training</a>
\$ Introduction to Amazon Elastic Container Registry	Fundamental	1.0	<a href="#">Self-paced Lab</a>
\$ Building and Deploying Containers Using Amazon Elastic Container Service	Fundamental	1.5	<a href="#">Self-paced Lab</a>
Observing, Troubleshooting, and Optimizing Workloads Running on Amazon ECS	Advanced	2.5	<a href="#">Digital Training</a>
Managing the Application Lifecycle in Amazon ECS	Advanced	1.5	<a href="#">Digital Training</a>
Managing Applications at scale with Amazon ECS	Advanced	1.5	<a href="#">Digital Training</a>

## Move to Containers with Amazon EKS

Learning Resource		Duration (hrs)	Type
AWS Compute Services Overview	Fundamental	0.3	<a href="#">Digital Training</a>
Amazon EKS Primer	Fundamental	1.3	<a href="#">Digital Training</a>
Getting Started with AWS Fargate	Fundamental	0.3	<a href="#">Digital Training</a>
Getting Started with Amazon ECR	Fundamental	0.5	<a href="#">Digital Training</a>
\$ Building and Deploying a Containerized Application with Amazon Elastic Kubernetes Service	Intermediate	1.0	<a href="#">Self-paced Lab</a>
\$ Deploying an Amazon EKS application using CDK8s	Intermediate	1.5	<a href="#">Self-paced Lab</a>
Getting Started with AWS Fargate	Fundamental	0.5	<a href="#">Digital Training</a>
\$ Introduction to Amazon Elastic Container Registry	Fundamental	1.0	<a href="#">Self-paced Lab</a>
AWS Jam Journey: Container service Amazon EKS		12+	<a href="#">Game-based Learning</a>

## Move to Managed Databases

Learning Resource		Duration (hrs)	Type
Introduction to Building with AWS Databases	Fundamental	3.0	<a href="#">Digital Training</a>
Getting Started with Amazon RDS for MariaDB	Fundamental	1.0	<a href="#">Digital Training</a>



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Getting Started with Amazon DocumentDB	Fundamental	1.0	<a href="#">Digital Training</a>
Getting Started with Amazon Keyspaces	Fundamental	1.0	<a href="#">Digital Training</a>
Getting Started with Amazon Neptune	Fundamental	1.0	<a href="#">Digital Training</a>
AWS Database Migration Service (AWS DMS) Getting Started	Fundamental	1.0	<a href="#">Digital Training</a>
Getting Started with Amazon ElastiCache	Fundamental	1.0	<a href="#">Digital Training</a>
Getting Started with MemoryDB for Redis	Fundamental	1.0	<a href="#">Digital Training</a>
Build with Amazon MemoryDB for Redis	Intermediate	1.0	<a href="#">Digital Training</a>
Amazon DynamoDB for Serverless Architectures	Fundamental	2.0	<a href="#">Digital Training</a>
Getting Started with Amazon Timestream	Fundamental	1.0	<a href="#">Digital Training</a>
Amazon Quantum Ledger Database (QLDB) Service Primer	Fundamental	0.3	<a href="#">Digital Training</a>
\$ Migrating RDS MySQL to Aurora with Read Replicas	Intermediate	1.0	<a href="#">Self-paced Lab</a>
\$ Using Amazon RDS for Applications	Intermediate	1.3	<a href="#">Self-paced Lab</a>
\$ Introduction to AWS Database Migration Service	Fundamental	1.5	<a href="#">Self-paced Lab</a>
\$ Introduction to Amazon ElastiCache	Fundamental	1.0	<a href="#">Self-paced Lab</a>
\$ Introduction to Amazon DynamoDB	Fundamental	0.8	<a href="#">Self-paced Lab</a>
\$ AWS Jam Journey: Database		12+	<a href="#">Game-based Learning</a>

## Move to AI

Learning Resource		Duration (hrs)	Type
Introduction to Generative AI: Art of the Possible	Fundamental	1.0	<a href="#">Digital Training</a>
Building a Generative AI-Ready Organization	Fundamental	1.0	<a href="#">Digital Training</a>
Generative AI in Action: Real-World Use Cases	Fundamental	1.3	<a href="#">Digital Training</a>
Introduction to Responsible AI	Fundamental	1.3	<a href="#">Digital Training</a>
Planning a Generative AI Project	Fundamental	1.0	<a href="#">Digital Training</a>
Amazon Bedrock - Getting Started	Fundamental	1.0	<a href="#">Digital Course</a>
Building generative artificial intelligence (generative AI)	Fundamental	4.0	<a href="#">Digital Course</a>
Foundations of Prompt Engineering	Fundamental	4.0	<a href="#">Digital Course</a>
Amazon Q Introduction	Fundamental	0.3	<a href="#">Digital Training</a>
\$ AWS SimuLearn: Build Generative AI Apps with Foundation Models	Fundamental	1.0	<a href="#">SimuLearn</a>
Generative AI Learning Plan for Developers	Fundamental	14.0	<a href="#">Learning Plan</a>



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\$	Generative AI Learning Plan for Developers (includes labs)	Intermediate	20.5	<a href="#">Learning Plan</a>
	Amazon Q - Generative AI-powered Assistant Learning Plan	Fundamental	3.0	<a href="#">Learning Plan</a>
	Generative AI Learning Plan for Decision Makers	Fundamental	3.3	<a href="#">Learning Plan</a>

## Twitch Broadcast

Learning Resource		Duration (hrs)	Type	
	Introduction to Building with AWS Databases	1.5	<a href="#">On-demand Broadcast</a>	
\$	Deep dive into Amazon Q	Fundamental	1.5	<a href="#">On-demand Broadcast</a>
	Let's Ship It - with AWS! Generative AI	Fundamental	1.3	<a href="#">On-demand Broadcast</a>
\$	Learn Generative AI - for Developers!	Intermediate	1.3	<a href="#">On-demand Broadcast</a>
\$	Move to Containers	Intermediate	1.3	<a href="#">On-demand Broadcast</a>
\$	Move to Cloud Native with Microservice Architectures	Intermediate	1.3	<a href="#">On-demand Broadcast</a>
\$	Move to Modern DevOps	Intermediate	1.3	<a href="#">On-demand Broadcast</a>
\$	Move to Managed Analytics & Move to Open Source for Faster Innovation	Intermediate	1.3	<a href="#">On-demand Broadcast</a>