



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.

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Learn the Fundamentals of the AWS Cloud

Learning Resource	Type
AWS Ramp-Up Guide: Cloud Essentials	Ramp-Up Guide

Move to Managed Analytics

Learning Resource	Duration (hrs)	Type
Data Analytics Fundamentals	3.5	Digital Training
Getting Started with AWS Glue	1.0	Digital Training
Getting Started with Amazon EMR	1.0	Digital Training
Getting Started with Amazon Redshift	1.0	Digital Training
Best Practices for Data Warehousing with Amazon Redshift	1.5	Digital Training
Introduction to AWS Data Pipeline	0.2	Digital Training
\$ Working with Amazon Redshift	2.0	Self-Paced Lab
\$ Building with Amazon Redshift Clusters	1.0	Self-Paced Lab
Visualizing with QuickSight	4.0	Digital Training
Amazon QuickSight - Getting Started	1.0	Digital Training
\$ Building BI Dashboards with Amazon QuickSight	1.3	Self-Paced Lab
\$ A Day in the Life of a Data Engineer	2.0	Self-Paced Lab
Introduction to Amazon Athena	0.2	Digital Training
Introduction to Amazon Kinesis Data Analytics for Java Applications	0.3	Digital Training
AWS Cloud Quest: Data Analytics	12.0	Digital Training



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Move to Modern DevOps		
Learning Resource	Duration (hrs)	Type
Getting Started with DevOps on AWS	1.0	Digital Training
Introduction to AWS CodePipeline	0.2	Digital Training
Introduction to AWS CodeCommit	0.3	Digital Training
Modernize .NET Applications – Infrastructure as Code and CI/CD	1.5	Digital Training
\$ Automate Application Testing Using AWS CodeBuild	1.0	Self-Paced Lab
Introduction to AWS OpsWorks for Chef Automate	0.2	Digital Training
Introduction to AWS OpsWorks Stacks	0.2	Digital Training
Build and Deploy APIs with a Serverless CI/CD	0.8	Digital Training
\$ Create a CI/CD pipeline to deploy your app to AWS Fargate	1.0	Self-Paced Lab
\$ Working with AWS CodeCommit	1.0	Self-Paced Lab
Getting Started with AWS CloudFormation	0.3	Digital Training
\$ Introduction to AWS CloudFormation	0.8	Self-Paced Lab
Improve Code Quality with Amazon CodeGuru Reviewer	1.0	Digital Training
Advanced Testing Practices Using AWS DevOps Tools	2.5	Digital Training
Managing the Application Lifecycle in Amazon ECS	1.5	Digital Training
Move to Cloud Native Serverless		
Learning Resource	Duration (hrs)	Type
AWS Lambda Foundations	2.0	Digital Training
Architecting Serverless Applications	2.0	Digital Training
Amazon API Gateway for Serverless Applications	2.0	Digital Training
Designing Event-Driven Architectures	2.0	Digital Training
Introduction to Step Functions	0.3	Digital Training
Deploying Serverless Applications	0.3	Digital Training
Building Event-Driven Applications With Amazon EventBridge	2.0	Digital Training
Introduction to Amazon Simple Notification Service (SNS)	0.2	Digital Training
Introduction to Amazon Simple Queue Service (SQS)	1.2	Digital Training



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Amazon DynamoDB for Serverless Architectures	2.0	Digital Training
Accelerating Messaging Modernization with Amazon MQ	1.5	Digital Training
Getting Started with Migration Hub Refactor Spaces	1.0	Digital Training
\$ Introduction to Amazon API Gateway	1.0	Self-paced Lab
\$ Introduction to AWS Lambda	0.8	Self-paced Lab
\$ Building Event-Driven Applications With Amazon EventBridge	3.0	Digital Training (includes labs)
\$ Serverless Web Apps using Amazon DynamoDB - Part 1	1.0	Self-paced Lab
\$ Serverless Web Apps using Amazon DynamoDB - Part 2	1.0	Self-paced Lab
\$ Serverless Web Apps using Amazon DynamoDB - Part 3	1.0	Self-paced Lab
\$ Build a Serverless Architecture with Amazon Simple Notification Service, Amazon Simple Queue Service, and AWS Lambda	1.0	Self-paced Lab
\$ AWS Cloud Quest: Serverless Developer	12+	Game-based Learning

Move to Containers with Amazon ECS

Learning Resource	Duration (hrs)	Type
Introduction to Containers Concepts	0.8	Digital Training
Amazon Elastic Container Service (ECS) Primer	0.5	Digital Training
Introduction to AWS Fargate	0.3	Digital Training
Getting Started with Amazon ECR	0.5	Digital Training
Getting Started with AWS Fargate	0.5	Digital Training
\$ Working with Amazon Elastic Container Service	1.0	Self-paced Lab
Getting Started with Amazon ECS	0.5	Digital Training
\$ Create a CI/CD pipeline to deploy your app to AWS Fargate	1.0	Self-paced Lab
Building Enterprise Architectures in Amazon ECS	1.5	Digital Training
Introduction to Amazon Elastic Container Registry	0.1	Digital Training
\$ Introduction to Amazon Elastic Container Registry	1.0	Self-paced Lab
\$ Building and Deploying Containers Using Amazon Elastic Container Service	1.5	Self-paced Lab
Observing, Troubleshooting, and Optimizing Workloads Running on Amazon ECS	2.5	Digital Training
Managing the Application Lifecycle in Amazon ECS	1.5	Digital Training
Managing Applications at scale with Amazon ECS	1.5	Digital Training



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Move to Containers with Amazon EKS		
Learning Resource	Duration (hrs)	Type
Introduction to Containers Concepts	0.8	Digital Training
AWS Compute Services Overview	0.3	Digital Training
Amazon EKS Primer	1.3	Digital Training
Getting Started with AWS Fargate	0.3	Digital Training
Getting Started with Amazon ECR	0.5	Digital Training
\$ Building and Deploying a Containerized Application with Amazon Elastic Kubernetes Service	1.0	Self-paced Lab
\$ Deploying an Amazon EKS application using CDK8s	1.5	Self-paced Lab
Getting Started with AWS Fargate	0.5	Digital Training
\$ Introduction to Amazon Elastic Container Registry	1.0	Self-paced Lab
AWS Jam Journey: Container service Amazon EKS	12+	Game-based Learning
Move to Managed Databases		
Learning Resource	Duration (hrs)	Type
Introduction to Building with AWS Databases	3.0	Digital Training
Migrating from Oracle to Amazon Aurora	0.7	Digital Training
Getting Started with Amazon RDS for MariaDB	1.0	Digital Training
Getting Started with Amazon DocumentDB	1.0	Digital Training
Getting Started with Amazon Keyspaces	1.0	Digital Training
Getting Started with Amazon Neptune	1.0	Digital Training
AWS Database Migration Service (AWS DMS) Getting Started	1.0	Digital Training
Getting Started with Amazon ElastiCache	1.0	Digital Training
Getting Started with MemoryDB for Redis	1.0	Digital Training
Build with Amazon MemoryDB for Redis	1.0	Digital Training
Amazon DynamoDB for Serverless Architectures	2.0	Digital Training
Moving to Managed Databases on AWS	4.0	Digital Training
Getting Started with Amazon Timestream	1.0	Digital Training



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	Amazon Quantum Ledger Database (QLDB) Service Primer	0.3	Digital Training
\$	Migrating RDS MySQL to Aurora with Read Replicas	1.0	Self-paced Lab
\$	Using Amazon RDS for Applications	1.3	Self-paced Lab
\$	Introduction to AWS Database Migration Service	1.5	Self-paced Lab
\$	Introduction to Amazon ElastiCache	1.0	Self-paced Lab
\$	Introduction to Amazon DynamoDB	0.8	Self-paced Lab
\$	AWS Jam Journey: Database	12+	Game-based Learning