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	Ramp-Up Guide

Move to Managed Analytics

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

Move to Modern DevOps

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

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	Learning Resource		Duration (*hrs*)	Type
$	Create a CI/CD pipeline to deploy your app to AWS Fargate	Intermediate	1.0	Self-Paced Lab
$	Working with AWS CodeCommit	Fundamental	1.0	Self-Paced Lab
	Getting Started with AWS CloudFormation	Fundamental	0.3	Digital Training
$	Introduction to AWS CloudFormation	Fundamental	0.8	Self-Paced Lab
	Improve Code Quality with Amazon CodeGuru Reviewer	Fundamental	1.0	Digital Training
	Advanced Testing Practices Using AWS DevOps Tools	Advanced	2.5	Digital Training
	Managing the Application Lifecycle in Amazon ECS	Advanced	1.5	Digital Training

Move to Cloud Native Serverless

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

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

Move to Containers with Amazon EKS

	Learning Resource		Duration (hrs)	Type
	AWS Compute Services Overview	Fundamental	0.3	Digital Training
	Amazon EKS Primer	Fundamental	1.3	Digital Training
	Getting Started with AWS Fargate	Fundamental	0.3	Digital Training
	Getting Started with Amazon ECR	Fundamental	0.5	Digital Training
$	Building and Deploying a Containerized Application with Amazon Elastic Kubernetes Service	Intermediate	1.0	Self-paced Lab
$	Deploying an Amazon EKS application using CDK8s	Intermediate	1.5	Self-paced Lab
	Getting Started with AWS Fargate	Fundamental	0.5	Digital Training
$	Introduction to Amazon Elastic Container Registry	Fundamental	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	Fundamental	3.0	Digital Training

	Learning Resource	Level	Duration (hrs)	Type
	Getting Started with Amazon RDS for MariaDB	Fundamental	1.0	[Digital Training](#)
	Getting Started with Amazon DocumentDB	Fundamental	1.0	[Digital Training](#)
	Getting Started with Amazon Keyspaces	Fundamental	1.0	[Digital Training](#)
	Getting Started with Amazon Neptune	Fundamental	1.0	[Digital Training](#)
	AWS Database Migration Service (AWS DMS) Getting Started	Fundamental	1.0	[Digital Training](#)
	Getting Started with Amazon ElastiCache	Fundamental	1.0	[Digital Training](#)
	Getting Started with MemoryDB for Redis	Fundamental	1.0	[Digital Training](#)
	Build with Amazon MemoryDB for Redis	Intermediate	1.0	[Digital Training](#)
	Amazon DynamoDB for Serverless Architectures	Fundamental	2.0	[Digital Training](#)
	Getting Started with Amazon Timestream	Fundamental	1.0	[Digital Training](#)
	Amazon Quantum Ledger Database (QLDB) Service Primer	Fundamental	0.3	[Digital Training](#)
$	Migrating RDS MySQL to Aurora with Read Replicas	Intermediate	1.0	[Self-paced Lab](#)
$	Using Amazon RDS for Applications	Intermediate	1.3	[Self-paced Lab](#)
$	Introduction to AWS Database Migration Service	Fundamental	1.5	[Self-paced Lab](#)
$	Introduction to Amazon ElastiCache	Fundamental	1.0	[Self-paced Lab](#)
$	Introduction to Amazon DynamoDB	Fundamental	0.8	[Self-paced Lab](#)
$	AWS Jam Journey: Database		12+	[Game-based Learning](#)

Twitch Broadcast

	Learning Resource	Duration (*hrs*)	Type
	Introduction to Building with AWS Databases	1.5	[On-demand Broadcast](#)

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