These are the most salient learning resources from our classrooms, digital curricula, video library, and AWS Lab Environment, that relate to the Cloud Operator (SysOps) role. It contains sections on design & operation, governance & control, monitoring & observability, and many more relevant topics. This Ramp-Up Guides is not intended to be consumed entirely. Different sections tackle different objectives. 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!

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

Cloud Fundamentals, Pricing & Cost Management		
Learning Resource	**Duration (*hrs*)**	**Type**
AWS Billing and Cost Management	0.2	Digital Training
AWS Shared Responsibility Model	0.1	Digital Training
How AWS Managed Services (AMS) Works Within Cloud Operating Models	0.3	Digital Training
AWS Managed Services (AMS): Introduction	0.3	Digital Training
$ AWS Technical Essentials *or...*	6.0	Classroom Training
AWS Technical Essentials (Digital)	4.0	Digital Training

Cloud Design and Operations		
Learning Resource	**Duration (*hrs*)**	**Type**
AWS Identity and Access Management - Architecture and Terminology	0.3	Digital Training
Introduction to Amazon Virtual Private Cloud (VPC)	0.2	Digital Training
Subnets, Gateways, and Route Tables Explained	0.3	Digital Training
Amazon Route 53 - Amazon Route 53 – Basics	0.3	Digital Training
Introduction to AWS Auto Scaling	0.2	Digital Training
Introduction to AWS Command Line Interface (CLI)	0.2	Digital Training
Introduction to AWS Management Console	0.3	Digital Training
$ Cloud Operations on AWS *...or...*	18.0	Classroom Training

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	Learning Resource	Duration (hrs)	Type
$	Cloud Operations on AWS (Digital)	18.0	Digital Classroom Training
$	Automating AWS Services with Scripting and the AWS CLI	1.3	Self-Paced Lab
$	AWS Tools for Windows PowerShell: Getting Started	1.0	Self-Paced Lab

Cloud Ops: Governance		
Learning Resource	**Duration (hrs)**	**Type**
Introduction to AWS Organizations	0.2	Digital Training
AWS Managed Services Console Walkthrough	0.3	Digital Training
AWS Managed Services (AMS): Provisioning	0.5	Digital Training
Basics of AWS Managed Services (AMS)	0.3	Digital Training
Getting Started with AWS Control Tower	1.0	Digital Training
Designing Landing Zone Architectures with AWS Control Tower	0.3	Digital Training

Cloud Ops: Monitoring and Observability			
Learning Resource		**Duration (hrs)**	**Type**
	AWS Observability	5.0	Digital Training
	Introduction to Amazon CloudWatch	0.2	Digital Training
	Introduction to Amazon CloudWatch Logs	0.2	Digital Training
	Introduction to Amazon CloudWatch Logs Insights	0.2	Digital Training
	Getting Started with Amazon Managed Service for Prometheus	1.0	Digital Training
	Amazon Managed Grafana - Getting Started	1.0	Digital Training
$	Using AWS Lambda with Amazon CloudWatch and SNS to Implement a Slack Chat Bot	1.0	Self-Paced Lab
$	Collecting and Analyzing Logs with Amazon CloudWatch Logs Insights	1.5	Self-Paced Lab
	Troubleshooting: AWS CloudFormation	1.0	Digital Training
	Amazon EventBridge Overview and Integration with SaaS Applications	0.5	Digital Training
	Introduction to AWS Trusted Advisor	0.2	Digital Training

Cloud Ops: Centralized Operations Management		
Learning Resource	**Duration (hrs)**	**Type**
Getting Started with AWS Systems Manager	1.0	Digital Training

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Learning Resource	Duration (*hrs*)	Type
Introduction to AWS OpsWorks Stacks	1.0	Digital Training

Cloud Ops: Configuration, Compliance, and Auditing

Learning Resource	Duration (*hrs*)	Type
Getting Started with AWS CloudTrail	1.0	Digital Training
Getting Started with AWS Config	1.5	Digital Training
Getting Started with AWS Audit Manager	1.5	Digital Training

Cloud Ops: Provisioning and Orchestration

	Learning Resource	Duration (*hrs*)	Type
	Getting Started with AWS CloudFormation	0.3	Digital Training
	Troubleshooting: AWS CloudFormation Stacks	0.5	Digital Training
$	Introduction to AWS CloudFormation Designer	0.6	Self-Paced Lab
$	Creating an Amazon Virtual Private Cloud (VPC) with AWS CloudFormation	1.0	Self-Paced Lab
$	Introduction to AWS CloudFormation	0.8	Self-Paced Lab
$	Launching and Managing a Web Application with AWS CloudFormation	2.0	Self-Paced Lab
	Introduction to AWS Marketplace	0.2	Digital Training
	Introduction to AWS Service Catalog	0.2	Digital Training

Additional Labs

	Learning Resource	Duration (*hrs*)	Type
$	Introduction to AWS Identity and Access Management (IAM)	0.4	Self-Paced Lab
$	Automating AWS Services with Scripting and the AWS CLI	1.3	Self-Paced Lab
$	Launching and Managing a Web Application with AWS CloudFormation	0.9	Self-Paced Lab
$	AWS Federated Authentication with AD FS	2.0	Self-Paced Lab

Certification

	Learning Resource	Duration (*hrs*)	Type
	Exam Prep: AWS Certified SysOps Administrator - Associate (SOA-C02)	3.0	Digital Training
$	AWS Certified SysOps Administrator – Associate exam	2.0	Exam

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Additional Resources	
Learning Resource	**Type**
Monitoring and Observability: One Observability Demo	Workshop
Workshop: Getting Started with Centralized Operations Management on AWS	Workshop
AWS Well-Architected Framework	Whitepaper
AWS Well-Architected Lenses (Industry, and Technology Domain View)	Webpage
Implementing your Landing Zone	Video
Using AWS Control Tower to Govern Multi-Account AWS Environments	Video
Collect Metrics and Logs from Amazon EC2 instances with the CloudWatch Agent	Video
CloudWatch Tutorials	Tutorials
Enforce compliance with AWS Config	Video
Manage Software Licenses with AWS License Manager	Video
Deploy a reliable multi-tier infrastructure using CloudFormation	Workshop