



AWS Ramp-Up Guide: Cloud Operator (SysOps)

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	Fundamental	0.2	Digital Training
AWS Shared Responsibility Model	Fundamental	0.1	Digital Training
How AWS Managed Services (AMS) Works Within Cloud Operating Models	Intermediate	0.3	Digital Training
\$ AWS Technical Essentials <i>or...</i>	Fundamental	6.0	Classroom Training
AWS Technical Essentials (Digital)	Fundamental	4.0	Digital Training
			-
Cloud Design and Operations			
Learning Resource		Duration (hrs)	Type
AWS Identity and Access Management - Architecture and Terminology	Fundamental	0.3	Digital Training
Subnets, Gateways, and Route Tables Explained	Fundamental	0.3	Digital Training
Amazon Route 53 - Amazon Route 53 – Basics	Intermediate	0.3	Digital Training
Introduction to AWS Auto Scaling	Fundamental	0.2	Digital Training
Introduction to AWS Command Line Interface (CLI)	Fundamental	0.2	Digital Training
Introduction to AWS Management Console	Fundamental	0.3	Digital Training
\$ Cloud Operations on AWS <i>...or...</i>	Intermediate	18.0	Classroom Training
\$ Cloud Operations on AWS (Digital)	Intermediate	18.0	Digital Classroom Training
\$ Automating AWS Services with Scripting and the AWS CLI	Intermediate	1.3	Self-Paced Lab
\$ AWS Tools for Windows PowerShell: Getting Started	Fundamental	1.0	Self-Paced Lab



AWS Ramp-Up Guide: Cloud Operator (SysOps)

-			
Cloud Ops: Governance			
Learning Resource		Duration (hrs)	Type
AWS Organizations Getting Started	Fundamental	1.0	Digital Training
Basics of AWS Managed Services (AMS)	Fundamental	0.3	Digital Training
Getting Started with AWS Control Tower	Fundamental	1.0	Digital Training
Designing Landing Zone Architectures with AWS Control Tower	Intermediate	0.3	Digital Training
-			
Cloud Ops: Monitoring and Observability			
Learning Resource		Duration (hrs)	Type
AWS Observability	Intermediate	5.0	Digital Training
Amazon CloudWatch Getting Started	Fundamental	1.0	Digital Training
Introduction to Amazon CloudWatch Logs	Fundamental	0.2	Digital Training
Introduction to Amazon CloudWatch Logs Insights	Fundamental	0.2	Digital Training
Getting Started with Amazon Managed Service for Prometheus	Fundamental	1.0	Digital Training
Amazon Managed Grafana - Getting Started	Fundamental	1.0	Digital Training
\$ Using AWS Lambda with Amazon CloudWatch and SNS to Implement a Slack Chat Bot	Fundamental	1.0	Self-Paced Lab
\$ Collecting and Analyzing Logs with Amazon CloudWatch Logs Insights	Intermediate	1.5	Self-Paced Lab
AWS CloudFormation Stacks: Troubleshooting	Fundamental	1.0	Digital Training
Introduction to AWS Trusted Advisor	Fundamental	0.2	Digital Training
-			
Cloud Ops: Centralized Operations Management			
Learning Resource		Duration (hrs)	Type
Getting Started with AWS Systems Manager	Fundamental	1.0	Digital Training
Introduction to AWS OpsWorks Stacks	Fundamental	1.0	Digital Training
-			
Cloud Ops: Configuration, Compliance, and Auditing			
Learning Resource		Duration (hrs)	Type
Getting Started with AWS CloudTrail	Fundamental	1.0	Digital Training
Getting Started with AWS Config	Fundamental	1.5	Digital Training



AWS Ramp-Up Guide: Cloud Operator (SysOps)

Getting Started with AWS Audit Manager	Fundamental	1.5	Digital Training
-			
Cloud Ops: Provisioning and Orchestration			
Learning Resource		Duration (hrs)	Type
Getting Started with AWS CloudFormation	Fundamental	0.3	Digital Training
Troubleshooting: AWS CloudFormation Stacks	Fundamental	0.5	Digital Training
\$ Introduction to AWS CloudFormation Designer	Fundamental	0.6	Self-Paced Lab
\$ Creating an Amazon Virtual Private Cloud (VPC) with AWS CloudFormation	Fundamental	1.0	Self-Paced Lab
\$ Introduction to AWS CloudFormation	Fundamental	0.8	Self-Paced Lab
\$ Launching and Managing a Web Application with AWS CloudFormation	Intermediate	2.0	Self-Paced Lab
Introduction to AWS Marketplace	Fundamental	0.2	Digital Training
Introduction to AWS Service Catalog	Fundamental	0.2	Digital Training
-			
Additional Labs			
Learning Resource		Duration (hrs)	Type
\$ Introduction to AWS Identity and Access Management (IAM)	Fundamental	0.4	Self-Paced Lab
\$ Automating AWS Services with Scripting and the AWS CLI	Intermediate	1.3	Self-Paced Lab
\$ Launching and Managing a Web Application with AWS CloudFormation	Intermediate	0.9	Self-Paced Lab
\$ AWS Federated Authentication with AD FS	Intermediate	2.0	Self-Paced Lab
-			
Certification			
Learning Resource		Duration (hrs)	Type
Exam Prep: AWS Certified SysOps Administrator - Associate (SOA-C02)	Intermediate	3.0	Digital Training
\$ AWS Certified SysOps Administrator – Associate exam		2.0	Exam
-			
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 Ramp-Up Guide: Cloud Operator (SysOps)

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](#)