

AWS Ramp-Up Guide: Operations

For Systems Administrators and Systems Operations Professionals

AWS Training and Certification has created this and other **AWS Ramp-Up Guides** to help build your knowledge of the AWS Cloud. Each expertly curated guide features free digital training, classroom courses, videos, whitepapers, certifications, and other information you're looking for. To enroll in training and certification exams, and track your progress, visit aws.training and set up a free account.

Learn the fundamentals of AWS Cloud

LEARNING RESOURCE	DURATION	TYPE
What is Cloud Computing?	10 minutes	Webpage »
Overview of AWS	2 hours	Whitepaper »
<i>AWS Cloud Practitioner Essentials (Second Edition)</i>	6 hours	Digital Training » Classroom Training »
Cloud Computing with AWS	10 minutes	Webpage »
AWS Glossary	30 minutes	Whitepaper »
<i>Job Roles in the Cloud</i>	30 minutes	Digital Training »

Step 1: Dive deeper into AWS Cloud fundamentals, including AWS pricing and cost management

LEARNING RESOURCE	DURATION	TYPE
Overview of Amazon Web Services	2 hours	Whitepaper »
How AWS Pricing Works	45 minutes	Whitepaper »
<i>Introduction to AWS Billing and Cost Management</i>	5 minutes	Digital Training »
<i>AWS Shared Responsibility Model</i>	5 minutes	Digital Training »
Shared Responsibility Model	10 minutes	Webpage »
<i>AWS Technical Essentials</i>	1 day	Classroom Training »

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Step 2: Learn cloud operations concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
Introduction to the AWS Well-Architected Framework	2 hours	Whitepaper »
Build VPC, S3, EC2, and RDS Products with AWS Service Catalog*	1 hour	Hands-on Lab »
AWS Well-Architected Framework	10 minutes	Webpage »
<i>Introduction to AWS Command Line Interface (CLI)</i>	10 minutes	Digital Training »
<i>Introduction to AWS Auto Scaling</i>	10 minutes	Digital Training »
<i>Introduction to Amazon EC2 Systems Manager</i>	10 minutes	Digital Training »
<i>Deep Dive into Amazon Simple Storage Service (Amazon S3)</i>	2.5 hours	Digital Training »
<i>Introduction to Amazon Route 53</i>	10 minutes	Digital Training »
<i>Introduction to Amazon Virtual Private Cloud (VPC)</i>	10 minutes	Digital Training »
Monitoring Security Groups with Amazon CloudWatch Events*	1 hour	Hands-on Lab »
<i>Subnets, Gateways, and Route Tables Explained</i>	10 minutes	Digital Training »
Using AWS Lambda with Amazon CloudWatch and SNS to Implement a Slack Chat Bot*	1 hour	Hands-on Lab »
<i>Systems Operations on AWS</i>	3 days	Classroom Training »
AWS Security Best Practices	2 hours	Whitepaper »
CloudWatch Tutorials	2 hours	Tutorials »
Development and Test on AWS	30 minutes	Whitepaper »
<i>Migrating to AWS</i>	2 days	Classroom Training »
Amazon Web Services: Overview of Security Processes	2 hours	Whitepaper »
Amazon Virtual Private Cloud Connectivity Options	45 minutes	Whitepaper »

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Step 2: Learn cloud operations concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
SysOps Administrator - Associate quest	7 hours	Hands-on Lab »
Enterprise Backup & Recovery On-Premises to AWS	4 hours	Whitepaper »
Backup and Recovery Approaches using AWS	1 hour	Whitepaper »
Managing your AWS Infrastructure at Scale	45 minutes	Whitepaper »
AWS Inventory and Patch Management Well-Architected Lab	2 hours	Workshop »
Serverless Architectures using Amazon CloudWatch Events and Scheduled Events with AWS Lambda*	1 hour	Hands-on Lab »
Collecting and Analyzing Logs with Amazon CloudWatch Logs Insights*	90 minutes	Hands-on Lab »
Monitoring and Observability: One Observability Demo*	3 hours	Workshop »
Infrastructure as Code	45 minutes	Whitepaper »

Step 3: Prepare for and take the AWS Certified SysOps Administrator-Associate certification

LEARNING RESOURCE	DURATION	TYPE
SysAdmin on AWS for Windows	5 hours	Hands-on Lab »
Deploy a reliable multi-tier infrastructure using CloudFormation*	4 hours	Workshop »
<i>Exam Readiness: AWS Certified SysOps Administrator – Associate</i>	1.5 hours	Digital Training » Classroom Training »
AWS Certified SysOps Administrator – Associate	2 hours	Exam »

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Learning Library	Continue to learn by exploring our extensive portfolio of free Training and Training. Filter according to your preferences, or find a specific course using the "Search" box.	Explore »
AWS Whitepapers & Guides	Explore technical whitepapers, technical guides, reference material, and reference architecture diagrams, all authored by AWS and the AWS community.	Explore »
AWS User Group	Join and connect with AWS users all over the world to share ideas and learn.	Explore »
AWS Events & Webinars	Connect with, collaborate with, and learn from AWS experts. Key events include AWS.	Explore »
AWS Podcast	Listen and learn about AWS.	Explore »
AWS Blog	Read about the latest launches from AWS Technical Evangelist Jeff Barr and others.	Explore »
AWS Documentation	Search for AWS service guides, API references, tutorials, projects, SDKs, and toolkits.	Explore »
AWS Knowledge Center	Review AWS Support's responses to AWS customers' most frequently asked questions.	Explore »
AWS FAQs	Find answers to product- and technical-related frequently asked questions.	Explore »
AWS Hands-On Tutorials	Get started with 10-minute, step-by-step tutorials to launch your first application.	Explore »
AWS Solutions Library	Use vetted, technical reference implementations designed to help you solve common problems and build faster.	Explore »
AWS YouTube Channel	Explore a wide variety of AWS topics by watching videos created by AWS experts across the world.	Explore »

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