

AWS Ramp-Up Guide: Operations

For Systems Administrators and Systems Operations Professionals

AWS Training and Certification builds your competence, confidence, and credibility through practical cloud skills that help you innovate and build your future. Use this go-to reference guide to ramp up your knowledge of fundamentals, concepts, and best practices for operations in the AWS Cloud. You'll find free digital training offerings, classroom courses, videos, whitepapers, certifications, and other resources. It's all selected by AWS experts to teach you in-demand cloud skills and the real-world knowledge you can use right away to grow your career. To enroll in training and certification exams, and track your progress, visit aws.training and set up a free account.

Phase	Recommended Learning Resource	Duration	Type
Phase 0 Learn the fundamentals of AWS Cloud	– What is Cloud Computing?	10 minutes	Webpage
	– Overview of AWS	2 hours	Whitepaper
	– AWS Cloud Practitioner Essentials (Second Edition) free digital course or classroom course	6+ hours	Training
	– Cloud Computing with AWS	10 minutes	Webpage
	– AWS Glossary with definitions of key terms and concepts	30 minutes	Whitepaper
	– Job Roles in the Cloud free digital course	30 minutes	Training
Phase 1 Dive deeper into AWS Cloud fundamentals, including AWS pricing and cost management	– Overview of Amazon Web Services	2 hours	Whitepaper
	– How AWS Pricing Works	45 minutes	Whitepaper
	– Introduction to AWS Billing and Cost Management free digital course	5 minutes	Training
	– AWS Shared Responsibility Model free digital course	5 minutes	Training
	– Shared Responsibility Model	10 minutes	Webpage
	– AWS Technical Essentials classroom course	1 day	Training
Phase 2 Learn cloud operations concepts and best practices	– Introduction to the AWS Well-Architected Framework	2 hours	Whitepaper
	– Architecting for the Cloud: AWS Best Practices	1-2 hours	Whitepaper
	– AWS Well-Architected Framework information and resources	10 minutes	Webpage
	– Introduction to AWS Command Line Interface (CLI) , Introduction to AWS Auto Scaling , and Introduction to Amazon EC2 Systems Manager free digital courses	30 minutes	Training
	– Deep Dive into Amazon Simple Storage Service (Amazon S3) free digital course	2.5 hours	Training
	– Introduction to Amazon Route 53 , Introduction to Amazon Virtual Private Cloud (VPC) , and Subnets, Gateways, and Route Tables Explained free digital courses	37 minutes	Training
	– Systems Operations on AWS classroom course	3 days	Training
	– AWS Security Best Practices	2 hours	Whitepaper
	– Two quick, easy, and fun CloudWatch Tutorials	2 hours	Tutorial
	– Development and Test on AWS	30 minutes	Whitepaper
	– Migrating to AWS classroom course	2 days	Training
	– Amazon Web Services: Overview of Security Processes	2 hours	Whitepaper
	– Amazon Virtual Private Cloud Connectivity Options	45 minutes	Whitepaper
	– SysOps Administrator - Associate quest	7 hours	Hands-on lab
– Enterprise Backup & Recovery On-Premises to AWS	4 hours	Training	

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Phase 2 continued	– Backup & Recovery Approaches on AWS	30 minutes	Whitepaper
	– Managing your AWS Infrastructure at Scale	45 minutes	Whitepaper
	– AWS Well-Architected Lab	2 hours	Hands-on lab
Phase 3 Prepare for and take the AWS Certified SysOps Administrator – Associate certification exam	– SysAdmin on AWS for Windows quest	5 hours	Hands-on lab
	– Well Architected Operational Excellence Lab	4 hours	Hands-on lab
	– <i>Exam Readiness: AWS Certified SysOps Administrator – Associate</i> free digital course or classroom course	1.5 hours	Training
	– AWS Certified SysOps Administrator - Associate Exam: Official Study Guide	2 hours	Guide
	– AWS Certified SysOps Administrator - Associate certification exam (recommended for those with at least one year of hands-on experience with AWS)	2 hours	Exam
	– Infrastructure as Code	45 minutes	Whitepaper
Phase 4 Explore additional resources	– Learning Library at aws.training : Continue to learn by exploring our extensive portfolio of free digital training and classroom training. Filter according to your preferences, or find a specific course using the “Search” box.	30 minutes	Training
	– AWS User Group : Join and connect with AWS users all over the world to share ideas and learn.	10 minutes	User Group
	– AWS Events and Webinars : Connect with, collaborate with, and learn from AWS experts. Key events include AWS re:Invent, AWS re:Inforce, and AWS Summits.	10 minutes	Events / Webinars
	– AWS Podcast : Listen and learn about AWS.	10 minutes	Podcast
	– AWS Blog : Read about the latest launches from AWS Technical Evangelist Jeff Barr and others	20 minutes	Blog
	– What’s New with AWS : Stay up to date on the latest announcements from AWS	10 minutes	Webpage

For a training plan customized for your requirements, contact your AWS Account Manager or contact us at aws.amazon.com/contact-us/aws-training/.

We would love to hear from you. Provide your feedback on this AWS Ramp-Up Guide [here](#).