



# AWS Ramp-Up Guide: Solutions Architect

For AWS Cloud architects, solutions architects, and engineers

These are the most salient learning resources from our classrooms, digital curricula, video library, and AWS Lab Environment, that relate to the preparing for a Solutions Architect Role. This guide 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!

Learn the Fundamentals of the AWS Cloud		
Learning Resource		Type
AWS Ramp-Up Guide: Cloud Essentials		<a href="#">Ramp-Up Guide</a>
Identity and Security		
Learning Resource	Duration (hrs)	Type
Introduction to AWS Identity and Access Management (IAM)	0.1	<a href="#">Digital Training</a>
\$ Introduction to AWS Identity and Access Management (IAM)	0.8	<a href="#">Self-Paced Lab</a>
Getting Started with AWS Security, Identity, and Compliance	3.0	<a href="#">Digital Training</a>
\$ Performing a Basic Audit of your AWS Environment	1.0	<a href="#">Self-Paced Lab</a>
\$ Introduction to AWS Key Management Service	1.0	<a href="#">Self-Paced Lab</a>
Compute and Storage		
Learning Resource	Duration (hrs)	Type
AWS Compute Services Overview	0.7	<a href="#">Digital Training</a>
Getting Started with AWS Storage	3.3	<a href="#">Digital Training</a>
Getting Started with Amazon Simple Storage Service (Amazon S3)	1.0	<a href="#">Digital Training</a>
\$ Introduction to Amazon Simple Storage Service (S3)	1.0	<a href="#">Self-Paced Lab</a>
Amazon Elastic Block Store (Amazon EBS) Primer	1.5	<a href="#">Digital Training</a>
AWS Database Offerings	4.0	<a href="#">Digital Training</a>
Troubleshooting: Amazon DynamoDB	0.8	<a href="#">Digital Training</a>
Amazon RDS Service Primer	0.3	<a href="#">Digital Training</a>
Networking		



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Learning Resource	Duration (hrs)	Type
AWS Networking Basics	2.0	<a href="#">Digital Training</a>
Subnets, Gateways, and Route Tables Explained	0.3	<a href="#">Digital Training</a>
\$ Building Your First Amazon Virtual Private Cloud (VPC)	1.0	<a href="#">Self-Paced Lab</a>
\$ Introduction to Elastic Load Balancing	1.0	<a href="#">Self-Paced Lab</a>
Amazon Route 53 - Amazon Route 53 - Basics	0.3	<a href="#">Digital Training</a>
Configuring and Deploying VPCs with Multiple Subnets	1.0	<a href="#">Digital Training</a>
Introduction to Amazon API Gateway	0.2	<a href="#">Digital Training</a>
AWS Network Connectivity Options	1.5	<a href="#">Digital Training</a>
\$ Comparing VPC Peering and AWS Transit Gateway	3.0	<a href="#">Self-Paced Lab</a>
Understanding AWS Networking Gateways	0.5	<a href="#">Digital Training</a>
Differences Between Security Groups and NACLs	0.1	<a href="#">Digital Training</a>
\$ Configuring and Deploying Amazon VPC for a 3-tier Web App	1.5	<a href="#">Self-Paced Lab</a>
Monitoring and Governance		
Learning Resource	Duration (hrs)	Type
AWS Network – Monitoring and Troubleshooting	1.0	<a href="#">Digital Training</a>
Getting Started with AWS CloudFormation	0.3	<a href="#">Digital Training</a>
\$ Launching and Managing a Web Application with AWS CloudFormation	1.3	<a href="#">Self-Paced Lab</a>
AWS Well-Architected	1.5	<a href="#">Digital Training</a>
AWS Well-Architected Considerations for Financial Services	0.8	<a href="#">Digital Training</a>
Serverless		
Learning Resource	Duration (hrs)	Type
AWS Lambda Foundations	2.0	<a href="#">Digital Training</a>
\$ Deploying Your First AWS Lambda Container	1.0	<a href="#">Self-Paced Lab</a>
Architecting Serverless Applications	2.0	<a href="#">Digital Training</a>
Scaling Serverless Architectures	1.5	<a href="#">Digital Training</a>
Container and Migration		



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Learning Resource	Duration (hrs)	Type
Amazon Elastic Container Service (ECS) Primer	0.5	<a href="#">Digital Training</a>
Introduction to Database Migration	0.8	<a href="#">Digital Training</a>
Cost Management		
Learning Resource	Duration (hrs)	Type
AWS Foundations: Cost Management	0.6	<a href="#">Digital Training</a>
Amazon Simple Storage Service (Amazon S3) Cost Optimization	7.0	<a href="#">Digital Training</a>
Deep Dive: Amazon Elastic Block Store (Amazon EBS) Cost Optimization	0.5	<a href="#">Digital Training</a>
Take the AWS Certified Solutions Architect - Associate Exam		
Learning Resource	Duration (hrs)	Type
\$ Architecting on AWS	18.0	<a href="#">Instructor-Led Training</a>
Exam Prep: AWS Certified Solutions Architect – Associate	3.0	<a href="#">Exam Prep</a>
Advanced Curriculum		
Learning Resource	Duration (hrs)	Type
AWS Storage Gateway Deep Dive: Volume Gateway	1.3	<a href="#">Digital Training</a>
AWS Storage Gateway Deep Dive: Amazon S3 File Gateway	1.1	<a href="#">Digital Training</a>
Introduction to Step Functions	0.6	<a href="#">Digital Training</a>
Migration Evaluator Overview for Customers	0.5	<a href="#">Digital Training</a>
\$ Migrating to AWS: Lift and Shift to Serverless	1.0	<a href="#">Self-Paced Lab</a>
AWS Backup Primer	1.2	<a href="#">Digital Training</a>
\$ Implementing Multi-Region Backup with Amazon S3 Cross-Region	1.0	<a href="#">Self-Paced Lab</a>
AWS Systems Manager	3.0	<a href="#">Digital Training</a>
\$ Processing App Microservice Messages with Containers	1.0	<a href="#">Self-Paced Lab</a>
\$ Auditing Your Security with AWS Trusted Advisor	1.5	<a href="#">Self-Paced Lab</a>
\$ AWS Federated Authentication with AD FS	1.0	<a href="#">Self-Paced Lab</a>
\$ Working with Amazon CloudFront for Dynamic Content Acceleration	2.0	<a href="#">Self-Paced Lab</a>
Deep Dive with Security: AWS Identity and Access Management (IAM)	8.0	<a href="#">Digital Training</a>



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Securing and Protecting Your Data in Amazon Simple Storage Service	1.6	<a href="#">Digital Training</a>
Protecting Your Instance with Security Groups	0.1	<a href="#">Digital Training</a>
\$ Update Security Groups Automatically Using AWS Lambda	1.0	<a href="#">Self-Paced Lab</a>
\$ Scale Your Security Vulnerability Testing with Amazon Inspector	0.5	<a href="#">Self-Paced Lab</a>
\$ Rogue Permissions Challenge	1.0	<a href="#">Self-Paced Lab</a>
\$ Role Assumption Challenge	2.0	<a href="#">Self-Paced Lab</a>
\$ Filtering and Blocking Web Incursions with AWS WAF	1.0	<a href="#">Self-Paced Lab</a>
\$ Using Data Encryption in AWS	1.0	<a href="#">Self-Paced Lab</a>
Earn a Solutions Architect Learning Badge		<a href="#">Learning Plan</a>
Game-based Learning		
<b>Learning Resource</b>	<b>Duration (hrs)</b>	<b>Type</b>
\$ AWS Cloud Quest: Solutions Architect	12+	<a href="#">Game-based Learning</a>
Take the AWS Certified Solutions Architect - Professional Exam		
<b>Learning Resource</b>	<b>Duration (hrs)</b>	<b>Type</b>
\$ Advanced Architecting on AWS	18.0	<a href="#">Instructor-led Training</a>
Exam Readiness: AWS Certified Solutions Architect – Professional	4.0	<a href="#">Exam Prep</a>
With Our Training Partners		
<b>Learning Resource</b>	<b>Duration (hrs)</b>	<b>Type</b>
\$ Architecting Solutions on AWS	20.0	<a href="#">Coursera Digital Training</a>
\$ Architecting Solutions on AWS	20.0	<a href="#">edX Digital Training</a>
Additional Resources		
<b>Learning Resource</b>		<b>Type</b>
AWS Well-Architected		<a href="#">Webpage</a>
Shared Responsibility Model		<a href="#">Webpage</a>
Best Practices for Security, Identity, & Compliance		<a href="#">Webpage</a>
AWS Security Best Practices		<a href="#">Blogs</a>



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AWS Architecture Center	<a href="#">Webpage</a>
AWS CLI Introduction	<a href="#">Video</a>
Well-Architected Labs	<a href="#">Lab</a>
AWS Certified Solutions Architect - Associate	<a href="#">Webpage</a>
Sample CloudFormation Templates	<a href="#">Webpage</a>
Best Practices for Building Amazon Machine Images (AMIs)	<a href="#">Webpage</a>
AWS Elastic Disaster Recovery	<a href="#">Webpage</a>
Serverless Architectural Patterns and Best Practices (from AWS re:Invent)	<a href="#">Video</a>