



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.

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Identity and Security			
Learning Resource		Duration (hrs)	Type
Introduction to AWS Identity and Access Management (IAM)	Fundamental	0.1	Digital Training
\$ Introduction to AWS Identity and Access Management (IAM)	Fundamental	0.8	Self-Paced Lab
AWS Security Fundamentals Second Edition	Fundamental	2.0	Digital Training
\$ Performing a Basic Audit of your AWS Environment	Fundamental	1.0	Self-Paced Lab
\$ Introduction to AWS Key Management Service	Fundamental	1.0	Self-Paced Lab

Compute and Storage			
Learning Resource		Duration (hrs)	Type
AWS Compute Services Overview	Fundamental	0.7	Digital Training
Getting Started with AWS Storage	Fundamental	3.3	Digital Training
Getting Started with Amazon Simple Storage Service (Amazon S3)	Fundamental	1.0	Digital Training
\$ Introduction to Amazon Simple Storage Service (S3)	Fundamental	1.0	Self-Paced Lab
Amazon Elastic Block Store (Amazon EBS) Primer	Intermediate	1.5	Digital Training
AWS Database Offerings	Fundamental	4.0	Digital Training
Troubleshooting: Amazon DynamoDB	Fundamental	0.8	Digital Training
Amazon RDS Service Primer	Fundamental	0.3	Digital Training

Networking			
Learning Resource		Duration (hrs)	Type
AWS Networking Basics	Fundamental	2.0	Digital Training
Subnets, Gateways, and Route Tables Explained	Fundamental	0.3	Digital Training
\$ Building Your First Amazon Virtual Private Cloud (VPC)	Fundamental	1.0	Self-Paced Lab
\$ Introduction to Elastic Load Balancing	Fundamental	1.0	Self-Paced Lab



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Configuring and Deploying VPCs with Multiple Subnets	Intermediate	1.0	Digital Training
Introduction to Amazon API Gateway	Fundamental	0.2	Digital Training
AWS Network Connectivity Options	Intermediate	1.5	Digital Training
\$ Comparing VPC Peering and AWS Transit Gateway	Intermediate	3.0	Self-Paced Lab
Understanding AWS Networking Gateways	Intermediate	0.5	Digital Training
Differences Between Security Groups and NACLs	Fundamental	0.1	Digital Training
\$ Configuring and Deploying Amazon VPC for a 3-tier Web App	Intermediate	1.5	Self-Paced Lab

Monitoring and Governance			
Learning Resource		Duration (hrs)	Type
AWS Network – Monitoring and Troubleshooting	Intermediate	1.0	Digital Training
Getting Started with AWS CloudFormation	Fundamental	0.3	Digital Training
\$ Launching and Managing a Web Application with AWS CloudFormation	Intermediate	1.3	Self-Paced Lab
AWS Well-Architected Considerations for Financial Services	Intermediate	0.8	Digital Training

Serverless			
Learning Resource		Duration (hrs)	Type
AWS Lambda Foundations	Fundamental	2.0	Digital Training
\$ Deploying Your First AWS Lambda Container	Intermediate	1.0	Self-Paced Lab
Architecting Serverless Applications	Intermediate	2.0	Digital Training
Scaling Serverless Architectures	Intermediate	1.5	Digital Training

Cost Management			
Learning Resource		Duration (hrs)	Type
Amazon Simple Storage Service (Amazon S3) Cost Optimization	Advanced	7.0	Digital Training
Deep Dive: Amazon Elastic Block Store (Amazon EBS) Cost Optimization	Advanced	0.5	Digital Training

Take the AWS Certified Solutions Architect - Associate Exam			
Learning Resource		Duration (hrs)	Type
\$ Architecting on AWS	Intermediate	18.0	Classroom Training



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\$ Architected on AWS (Digital)	Intermediate	18.0	Digital Classroom Training
Advanced Curriculum			
Learning Resource		Duration (hrs)	Type
AWS Storage Gateway Deep Dive: Volume Gateway	Advanced	1.3	Digital Training
AWS Storage Gateway Deep Dive: Amazon S3 File Gateway	Advanced	1.1	Digital Training
Introduction to Step Functions	Fundamental	0.6	Digital Training
\$ Migrating to AWS: Lift and Shift to Serverless	Advanced	1.0	Self-Paced Lab
AWS Backup Primer	Intermediate	1.2	Digital Training
\$ Implementing Multi-Region Backup with Amazon S3 Cross-Region	Advanced	1.0	Self-Paced Lab
\$ Processing App Microservice Messages with Containers	Intermediate	1.0	Self-Paced Lab
\$ Auditing Your Security with AWS Trusted Advisor	Intermediate	1.5	Self-Paced Lab
\$ AWS Federated Authentication with AD FS	Intermediate	1.0	Self-Paced Lab
\$ Working with Amazon CloudFront for Dynamic Content Acceleration	Intermediate	2.0	Self-Paced Lab
Deep Dive with Security: AWS Identity and Access Management (IAM)	Advanced	8.0	Digital Training
Securing and Protecting Your Data in Amazon Simple Storage Service	Advanced	1.6	Digital Training
Protecting Your Instance with Security Groups	Fundamental	0.1	Digital Training
\$ Update Security Groups Automatically Using AWS Lambda	Intermediate	1.0	Self-Paced Lab
\$ Scale Your Security Vulnerability Testing with Amazon Inspector	Intermediate	0.5	Self-Paced Lab
\$ Role Assumption Challenge	Advanced	2.0	Self-Paced Lab
\$ Filtering and Blocking Web Incursions with AWS WAF	Intermediate	1.0	Self-Paced Lab
\$ Using Data Encryption in AWS	Advanced	1.0	Self-Paced Lab
Earn a Solutions Architect Learning Badge			Learning Plan

With Our Training Partners			
Learning Resource		Duration (hrs)	Type
\$ Architecting Solutions on AWS	Intermediate	20.0	Coursera Digital Training
\$ Architecting Solutions on AWS	Intermediate	20.0	edX Digital Training
\$ Capstone: Following the AWS Well Architected Framework	Fundamental	11.0	Coursera Digital Training
\$ Serverless Architectures on AWS	Fundamental	10.0	Coursera Digital Training



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\$ Serverless Architectures on AWS	Fundamental	11.0	edX Digital Training
\$ Building Data Lakes on AWS	Fundamental	11.0	Coursera Digital Training

Game-based Learning			
Learning Resource		Duration (hrs)	Type
\$ AWS Cloud Quest: Solutions Architect		12+	Game-based Learning

Twitch On-demand Broadcasts			
Learning Resource		Duration (hrs)	Type
AWS Cloud Quest: Architecting (Twitch training)		1.5	On-demand Stream
AWS Power Hour: Architecting – Associate (Exam Prep)		1.5	On-demand Stream
AWS Power Hour: Architecting – Professional (Exam Prep)		1.5	On-demand Stream

Take the AWS Certified Solutions Architect - Professional Exam			
Learning Resource		Duration (hrs)	Type
\$ Advanced Architecting on AWS		18.0	Instructor-led Training
Exam Readiness: AWS Certified Solutions Architect – Professional		4.0	Exam Prep

Additional Resources			
Learning Resource			Type
AWS Well-Architected			Webpage
Shared Responsibility Model			Webpage
Best Practices for Security, Identity, & Compliance			Webpage
AWS Security Best Practices			Blogs
AWS Architecture Center			Webpage
AWS CLI Introduction			Video
Well-Architected Labs			Lab
AWS Certified Solutions Architect - Associate			Webpage
Sample CloudFormation Templates			Webpage



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Best Practices for Building Amazon Machine Images (AMIs)

[Webpage](#)

AWS Elastic Disaster Recovery

[Webpage](#)

Serverless Architectural Patterns and Best Practices (from AWS re:Invent)

[Video](#)