

Kim C. Hem
Spring 2020
COS 377

AWS Certification Plan

Objective: Obtain the AWS Solutions Architect - Associate Certification

Material:

1. Udemy - AWS Cloud Practitioner 2020:
<https://www.udemy.com/course/aws-certified-cloud-practitioner/>
2. AWS Cloud Practitioner Essentials (Second Edition) - Digital Training:
<https://www.aws.training/Details/Curriculum?id=27076&scr=path-cp>
3. Udemy - AWS Certified Solutions Architect - Associate 2020:
<https://www.udemy.com/course/aws-certified-solutions-architect-associate/>
4. AWS Ramp-Up Guide: Architect (For Phase 0 - 2):
https://d1.awsstatic.com/training-and-certification/Learning_Paths/RampUp_Architect_10_2019_final.pdf
5. Exam Guide:
https://d1.awsstatic.com/training-and-certification/docs-sa-assoc/AWS_Certified_Solutions_Architect_Associate-Exam_Guide_EN_1.8.pdf
6. Sample Questions:
https://d1.awsstatic.com/training-and-certification/docs-sa-assoc/AWS_Certified_Solutions_Architect_Associate_Sample_Questions.pdf
7. Exam Readiness Training: <https://www.aws.training/Details/Curriculum?id=20685>

Week #	Topics	Est. Hours
1	Udemy - AWS Cloud Practitioner 2020: <ul style="list-style-type: none">- Introduction- Fundamentals of Cloud Computing Platform- Understanding Core AWS Services- Billing & Support Services	10 Hours
2	Udemy - AWS Cloud Practitioner 2020: <ul style="list-style-type: none">- Billing & Support Services (cont.)- Security Aspect AWS Cloud Practitioner Essentials (Second Edition)	10 Hours
3	Phase 0 - Fundamentals of AWS Cloud: <ul style="list-style-type: none">- What is Cloud Computing?- Overview of AWS- Cloud Computing with AWS- AWS Glossary with definitions of key terms and concepts- Job Roles in the Cloud	10 Hours

	<p>Phase 1 - Learn cloud architect fundamentals:</p> <ul style="list-style-type: none"> - Introduction to the AWS Well-Architected Framework - AWS Well-Architected Framework - How AWS Pricing Works - AWS Shared Responsibility Model - Shared Responsibility Model - AWS Well-Architected Training 	
4	<p>Udemy - AWS Certified Solutions Architect - Associate 2020:</p> <ul style="list-style-type: none"> - Introduction - Identity Access Management & S3 - EC2 - Databases on AWS 	7 Hours
5	<p>Udemy - AWS Certified Solutions Architect - Associate 2020:</p> <ul style="list-style-type: none"> - Route53 - VPCs - HA Architecture - Applications - Serverless 	7 Hours
6	<p>Phase 2 - Learn AWS Cloud concepts and best practices:</p> <ul style="list-style-type: none"> - AWS CLI Introduction - Sample CloudFormation Templates - Well-Architected Labs - AWS AMI Design - AWS Security Best Practices - Introduction to AWS Security by Design - AWS Database Migration Service Best Practices - Using AWS for Disaster Recovery - Serverless Architectural Patterns and Best Practices - Managing AWS Infrastructure at Scale 	10 Hours
7	<p>Phase 2 - Learn AWS Cloud concepts and best practices:</p> <ul style="list-style-type: none"> - ITIL Event Management in the Cloud - DevOps at Amazon: A Look at Our Tools and Processes - Backup and Recovery Approaches Using AWS - Amazon Virtual Private Cloud Connectivity Options - Securing Data at Rest with Encryption - Web Application Hosting in the AWS Cloud - Migrating AWS Resources to a New Region - Prepare for AWS Certification Exam 	7 Hours
8	<p>Review:</p> <ul style="list-style-type: none"> - Exam Guide - Sample Questions 	

	- Exam Readiness Training	
9	Review - Practice Exam	
10	Exam: April 13, 14, 16, 17	
	Look into the developer certification	

Github: <https://github.com/kh3m-umf/Hem-AWS-Certification---COS-377-Project>