SCS-C01: AWS Certified Security Specialist, Part 4 of 6: Identity and Access MGMT

Meet the expert: Zeal works primarily as a Cloud Security Consultant guiding organizations to re-build their infrastructure with security in mind. Zeal also holds more then 13+ certifications ranging from RedHat Certified Architect to AWS Security.

Prerequisites: two years of hands-on experience securing AWS and 5 years or more in IT security experience designing and implementing security solutions.

Runtime: 06:44:30

Course description: Amazon Web Services Certified Security Specialty is an exam intended to validate an individuals experience in a security role. This course covers Domain 4 Identity and Access Management which counts for 20% of the exam.

Course outline:

AWS Organizations
• Introduction
• AWS Organizations
• Demo: AWS Organizations
• OU in AWS Organization
• IAM Policy Evaluation Logic
• Summary

Identiy and Resource Based Policy
• Introduction
• Identity and Resource Based Policy
• Access Management
• StartStop EC2
• Identity Account Architecture
• Cross Account IAM Practical
• Summary

External ID in Delegation
• Introduction
• External ID
• EC2 Instance Metadata
• IAM Role
• How IAM Role Works
• Summary

IPTABLES and Instance Meta- data
• Introduction
• IPTABLES and Instance Metadata
• IAM Policy Element
• IAM Policy Variables
• Principal and NotPrincipal
• Demo: NotPrincipal Element
• Summary

Condition Element
• Introduction
• Condition Element

• AWS STS
• Federation
• Summary

SAML
• Introduction
• SAML
• AWS SSO
• Implementing AWS SSO
• Integrate AWS CLI with SSO
• Summary

AWS Cognito
• Introduction
• Amazon Cognito
• Active Directory - Integration
• AWS Directory Service
• Domain Join EC2 with Simple AD
• Summary

Trusts in Active Directory
• Introduction
• Trusts in Active Directory
• S3 Bucket Policy
• Regaining Access to Locked S3 Bucket
• Cross Account S3 Access
• Summary

Canned ACL
• Introduction
• Canned ACL
• Presigned URLs
• S3 Versioning
• S3 Cross Region Replication
• S3 Object Lock
• Summary

MFA Protected API Access
• Introduction

• MFA Protected API Access
• IAM Permission Boundary
• IAM and S3
• Summary

Troubleshooting IAM Policies
• Introduction
• Troubleshooting IAM Policies
• Troubleshooting Solution - Policy 01
• Troubleshooting Solution - Policy 02
• Troubleshooting Solution - Policy 03
• Troubleshooting Solution - Policy 04
• Troubleshooting Solution - Policy 05
• Summary

AWS Control Tower
• Introduction
• AWS Control Tower
• Service Role and Pass Role
• Amazon Workmail
• Summary