

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

page 1

**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 than 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 individual's 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

### Identity 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 Metadata

- 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