Course Ou

AWS Certified SysOps Adminis
(SOA-C01)



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1. Course Objective

Gain the skills required to pass the AWS SysOps SOA-C01 exam with the AWS Certified SysOps Administrator, Associate (SOA-C01) course and lab. The lab provides a hands-on learning experience in a safe, online environment. This AWS SysOps Administrator training course covers the SOA-C01 exam objectives and teaches students about deploying, managing, and operating scalable, highly available, and fault-tolerant systems on AWS; implementing and controlling the flow of data to and from AWS.

2. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

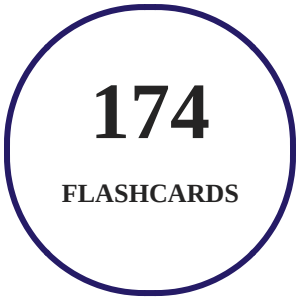
3. Quizzes

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.



4. flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.



5. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.



6. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

7. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

8. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

9. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**
  1. Best Postsecondary Learning Solution
- **2015**
  1. Best Education Solution

2. Best Virtual Learning Solution
3. Best Student Assessment Solution
4. Best Postsecondary Learning Solution
5. Best Career and Workforce Readiness Solution
6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**
  1. Best Virtual Learning Solution
  2. Best Education Cloud-based Solution
  3. Best College and Career Readiness Solution
  4. Best Corporate / Workforce Learning Solution
  5. Best Postsecondary Learning Content Solution
  6. Best Postsecondary LMS or Learning Platform
  7. Best Learning Relationship Management Solution

- **2017**
  1. Best Overall Education Solution
  2. Best Student Assessment Solution
  3. Best Corporate/Workforce Learning Solution
  4. Best Higher Education LMS or Learning Platform

- **2018**
  1. Best Higher Education LMS or Learning Platform
  2. Best Instructional Solution in Other Curriculum Areas
  3. Best Learning Relationship Management Solution

- **2019**
  1. Best Virtual Learning Solution
  2. Best Content Authoring Development or Curation Solution
  3. Best Higher Education Learning Management Solution (LMS)

- **2020**

1. Best College and Career Readiness Solution
2. Best Cross-Curricular Solution
3. Best Virtual Learning Solution

10. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Getting Started with AWS

- AWS
- Leverage AWS in Your Business Strategy
- Work with the AWS Management Console
- Summary

Chapter 2: Implementing AWS Storage and Database Services

- Configure AWS Storage
- Deploy Amazon Database Services

- Summary

Chapter 3: Implementing Compute and Network Services

- Implement Elastic Cloud Compute Services
- Implement Virtual Networks
- Summary

Chapter 4: Using AWS Management Tools

- Automate AWS Resource Provisioning
- Manage AWS Resources
- Summary

Chapter 5: Securing an AWS Deployment

- Enforce AWS Security
- Optimize AWS Security
- Summary

Chapter 6: Configuring Virtual Servers

- Create an EC2 Instance

- Configure an EC2 Instance
- Summary

Chapter 7: Configuring Virtual Networks

- Create an Amazon Virtual Private Cloud
- Configure VPCs
- Implement Domain Name Services in VPC
- Implement VPC Peering
- Summary

Chapter 8: Managing Data Storage

- Manage Elastic Block Store
- Manage Elastic File System Storage
- Manage Simple Storage Service
- Distribute Stored Content with CloudFront
- Summary

Chapter 9: Managing Databases

- Manage Relational Database Service

- Manage DynamoDB
- Implement Database Caching with ElastiCache
- Summary

Chapter 10: Securing AWS Resources

- Incorporate Security Policies in AWS
- Secure Data
- Secure Operating Systems and Applications
- Secure Network Infrastructure
- Prepare for Security Assessments
- Summary

Chapter 11: Managing Identity and Access

- Manage AWS Accounts and IAM Users
- Control Access through Security Groups
- Implement Network ACLs
- Summary

Chapter 12: Deploying AWS Resources

- Plan Application Deployments
- Deploy Infrastructure with CloudFormation
- Deploy and Manage Applications with Elastic Beanstalk
- Manage the Stack with OpsWorks
- Summary

Chapter 13: Monitoring AWS Resources

- Monitor Resources with CloudWatch
- Configure Alarms for CPU, Disk, and Network Usage
- Configure Alarms for Memory Usage
- Monitor Additional AWS Resources
- Summary

Chapter 14: Monitoring and Managing Billing

- Monitor Billing
- Optimize Cost
- Summary

Chapter 15: Optimizing Performance

- Select Remedies for Performance Issues
- Implement ELB
- Implement Trusted Advisor
- Summary

Chapter 16: Appendix A: Mapping Course Content to AWS Certified SysOps Administrator—Associate Level

Videos and How To

uCertify course includes videos to help understand concepts. It also includes How Tos that help learners in accomplishing certain tasks.

24	05:42
VIDEOS	HOURS

11. Practice Test

uCertify provides full length practice tests. These tests closely follow the exam objectives and are designed to simulate real exam conditions. Each course has a number of test sets consisting of hundreds of items to ensure that learners are prepared for the certification exam.

Here's what you get

60	1	40
PRE-ASSESSMENTS QUESTIONS	FULL LENGTH TESTS	POST-ASSESSMENTS QUESTIONS

Features

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

12. Live Labs

The benefits of live-labs are:

- Exam based practical tasks
- Real equipment, absolutely no simulations
- Access to the latest industry technologies
- Available anytime, anywhere on any device
- Break and Reset functionality
- No hardware costs

Lab Tasks

Implementing AWS Storage and Database Services

- Creating an Amazon S3 Bucket
- Creating an Encrypted Amazon EBS Volume
- Creating an Amazon Redshift Cluster

Implementing Compute and Network Services

- Implementing Virtual Networks
- Creating a Security Group

Using AWS Management Tools

- Using the AWS Command Line Interface
- Creating a Stack
- Creating a CloudWatch Dashboard and Adding a Metric to It
- Creating a Health Check

Securing an AWS Deployment

- Creating an IAM Group
- Enabling and Disabling GuardDuty

Configuring Virtual Servers

- Creating a Linux Instance
- Creating an Apache Web Server

Configuring Virtual Networks

- Creating a VPC
- Creating a Subnet

Here's what you get

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LIVE LABS

13. Post-Assessment

After completion of the uCertify course Post-Assessments are given to students and often used in conjunction with a Pre-Assessment to measure their achievement and the effectiveness of the exam.

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