AWS – Systems Operations on Amazon Web Services

Description

System Operations on AWS is designed to teach those in a Systems Administrator or Developer Operations (DevOps) role how to create automatable and repeatable deployments of networks and systems on the AWS platform. The course covers the specific AWS features and tools related to configuration and deployment, as well as common techniques used throughout the industry for configuring and deploying systems.

Course Content

Day 1

- Lesson 1: Introduction to Cloud Security
- Lesson 2: Security of the AWS Cloud
- Lesson 3: Cloud Aware Governance and Compliance
- Lesson 4: Identity and Access Management

Day 2

- Lesson 5: Securing AWS Infrastructure Services
- Lesson 6: Securing AWS Container Services
- Lesson 7: Securing AWS Abstracted Services
- Lesson 8: Using AWS Security Services

Day 3

- Lesson 9: Data Protection in the AWS Cloud
- Lesson 10: Building Compliant Workloads on AWS—Case Study
- Lesson 11: Security Incident Management in the Cloud

Lab / Exercises

- This course allows you to test new skills and apply knowledge to your working environment through a variety of practical exercises

Documentation

- Digital courseware included

Participant profiles

- System Administrators and Software Developers, especially those in a Developer Operations (DevOps) role

Prerequisites

- Background in either software development, systems administration or networking protocols (TCP/IP, HTTP)
- Have followed the following course or have the equivalent knowledge: Amazon Web Services Technical Essentials

Objectives

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- Use standard AWS infrastructure features such as Amazon Virtual Private Cloud (VPC), Amazon Elastic Compute Cloud (EC2)
- Use AWS CloudFormation and other automation technologies to produce stacks of AWS resources that can be deployed in an automated, repeatable fashion
- Build functioning virtual private networks with Amazon VPC from the ground up using the AWS Management Console
- Deploy Amazon EC2 instances using command line calls and troubleshoot the most common problems with instances

Niveau
Intermédiaire
Virtual Classroom Registration Price (CHF)
2550
Duration (in Days)
3
Reference
AWS-201

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