

Course: IL - Systems Operations on AWS

Overview

In this course, you will learn how to create automatable and repeatable deployments of networks and systems on the AWS platform. We will explore the AWS features and tools related to configuration and deployment and best practices for configuring and deploying systems. This course will prepare for: AWS Certified SysOps Administrator - Associate

Course Details

- Duration: 3 Days
- Level 300

Who this course is designed for:

- Systems administrators
- Software developers, especially those in a DevOps role

Course Objectives

- Use standard AWS infrastructure features such as Amazon Virtual Private Cloud (Amazon VPC), Amazon Elastic Compute Cloud (Amazon EC2), Elastic Load Balancing (ELB), and AWS Auto Scaling from the command line
- Use AWS CloudFormation and other automation technologies to produce stacks of AWS resources
- Build virtual private networks with Amazon VPC
- Deploy Amazon EC2 instances using command line calls and troubleshoot common problems with instances
- Monitor the health of Amazon EC2 instances and other AWS services
- Manage identity, AWS permissions, and security in the AWS Cloud
- Manage resource consumption in an AWS account using tags, Amazon CloudWatch, and AWS Trusted Advisor
- Determine the best strategy for creating reusable Amazon EC2 instances
- Configure a set of Amazon EC2 instances that launch behind a load balancer
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Pre-Requisites

- AWS Technical Essentials
- Background in software development or systems administration
- Proficiency maintaining operating systems at the command line, such as shell scripting in Linux environments or cmd/PowerShell in Windows
- Basic knowledge of networking protocols, such as TCP/IP and HTTP

Course Outline

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System Operations on AWS Overview

Networking in the Cloud

Computing in the Cloud

Storage and Archiving in the Cloud

Monitoring in the Cloud

Managing Resource Consumption in the Cloud

Configuration Management in the Cloud

Creating Scalable Deployments in the Cloud

Creating Automated and Repeatable Deployments