Tel +44 20 4571 2395
info@siliconbeachtraining.co.uk

The AWS SysOps Administrator Certification Training course helps the delegates to become a certified AWS SysOps Administrator and prepare them for the AWS Certified SysOps Administrator exam. The delegates will learn how to use AWS tools to provision hosts and deploy apps and create a secure infrastructure with AWS. The course familiarises delegates to more advanced aspects of AWS Platform. The course is beneficial for system administrators who are responsible for building or managing applications on the cloud. The course teaches delegates how to deploy, operate and manage fault tolerant systems on Amazon Web Services. The delegates will be introduced to basic and advanced features of the AWS platform required to operate and manage systems. Throughout the course, the delegates will learn how to migrate an existing on-premises application to AWS, select the appropriate AWS service based on security or data requirements, identify operational cost-control mechanisms and select appropriate use of AWS operational best practices.

The AWS SysOps Administrator Certification Training enhance the ability of the delegates to use the resources and services of AWS in the best possible manner. The course is geared towards cloud professionals who are tasked with running and managing infrastructure on AWS. The course teaches delegates how to use AWS features and tools for developing fully automatic deployments of networks and systems on the AWS platform. During the course, the delegates will be introduced to AWS, storage and archiving in AWS, database services, computing on AWS, networking in the cloud, monitoring in AWS and configuration management in AWS.

Prerequisites

The delegates are expected to have:

- Basic understanding of shell scripting in Linux environment and PowerShell in Windows
- Expertise in software administration or software development
- Basic understanding of networking protocols (TCP/IP, HTTP)

Course Objectives

- Gain knowledge of common techniques used for configuring and deploying systems
- Understand AWS tools and features associated with configuration and deployment
- Create fully automatic network and system deployments on the AWS platform

Module 1: Azure Administration

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- Resource Groups
- Azure Portal
- Azure CLI
- Azure Templates
- Cloud Shell
- Azure Marketplace
- Azure PowerShell

Module 2: Azure Networking

In this module, delegates will learn about Azure networking features.

- Azure Regions
- Virtual Networks and Subnets
- IP Addressing
- Network Security Groups
- Virtual Network Peering
- VNet-to-VNet Connections
- ExpressRoute
- Load Balancers
- Network Watcher

Module 3: Azure Compute

In this module, delegates will learn about configuring and monitoring Azure virtual machines.

- Azure Virtual Machines
- Creating Virtual Machines
- Virtual Machine Sizes
- Virtual Machine Disks
- Availability Zones, Availability Sets
- Windows VM Connections
- Linux VM Connections
- Azure Monitor
- Azure Alerts

Module 4: Azure Storage

In this module, delegates will learn about Azure storage features and implementation.

- Storage Accounts
- Blob Storage
- Blob Performance Tiers
- File Shares
- File Sync
- Data Box
- Content Delivery Network
- Shared Access Signatures
- Service Endpoints

Module 5: Azure Identity

In this module, delegates will learn about Azure identity solutions.

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- Azure Domains
- Role-based Access Control
- Azure Active Directory
- Multi-Factor Authentication
- Azure AD Identity Protection
- Azure Policy

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