SpiralTrain
developer courses

AWS Administrator

Duration: 3 days   **Price: € 2250**

Open Schedule

AWS Administrator

Audience Course AWS Administrator
The course AWS Administrator is intended for administrators who want to learn how to properly manage and maintain resources in Amazon Web Services (AWS).

Prerequisites Course AWS Administrator
Experience with the facilities and organization of operating systems and the management of applications is desired to participate in this course.

Realization Training AWS Administrator
During the training working with AWS resources and services is explained using demos. Demos and exercises are interchanged during the course.

Certificate Course AWS Administrator
After successful completion of the course attendants will receive a certificate of participation in the course AWS Administrator.

Content Course AWS Administrator

The course AWS Administrator covers essential AWS administration topics and provides the knowledge and skills needed to effectively manage and maintain AWS resources. The course is ideally suited to help candidates prepare for the AWS Certified SysOps Administrator Associate exam (SOA-C02).

Intro to AWS Cloud
The course AWS Administrator starts with an overview of the AWS Cloud with the global Infrastructure, the data centers and availability zones. The costs of the AWS Cloud, Billing and Budgets are also discussed.

Identity Management
Next the configuration of users, groups and roles in AWS is covered. Attention is also paid to AWS Security such as the use of Multi-Factor Authentication and IAM Access Keys.

AWS Compute Services
Part of the AWS Administrator course is also the discussion of the Elastic Compute Cloud with which EC2 virtual server instances can be launched to run applications in the AWS Cloud. Attention will then be paid to Load Balancing, AWS Lambda and Serverless Computing.

AWS Networking
Networking in AWS is also treated including setting up a Virtual Private Cloud. This includes network services such as Amazon CloudFront CDN, Route 53 DNS Service and AWS Direct Connect.

AWS Storage
Also the AWS facilities for storing data are discussed, such as the S3 Simple Storage service, EBS Volume Types, Snapshots and the Elastic File System. And storage in databases in the Cloud with the Relational Database Service is covered as well.

AWS Security
Then it's time to take a look at AWS Security with the Shared Responsibility Model, AWS Identity Management and AWS Access Management. Data Encryption and Key Management are also treated.

AWS Monitoring
Monitoring applications in the AWS Cloud is discussed using the AWS CloudWatch and AWS CloudTrail Services and attention is paid to Resource Optimization and Performance Tuning in AWS.

Exam Preparation
Finally participants learn how to prepare for the AWS Certified SysOps Administrator Associate exam (SOA-C02). Questions from various mock exams are discussed and tips are given to help you pass the exam.

Modules Course AWS Administrator

Module 1 : Intro AWS Cloud	Module 2 : Identity Management	Module 3 : AWS Compute Services
AWS Cloud Computing	IAM Components	Elastic Compute Cloud
AWS Global Infrastructure	Users, Groups, and Roles	EC2 Instance Types
AWS Regions	Policies and Permissions	EC2 Key Pairs
Availability Zones	Multi-Factor Authentication	Security Groups
Data Centers	IAM Security	Launching EC2 Instances
AWS Management Console	Cross-Account Access	Elastic Block Store
AWS CLI and AWS SDKs	Role Assumption	Elastic Load Balancing
AWS Billing	IAM Access Keys	EC2 Auto Scaling
Cost Management	Secret Access Keys	AWS Lambda
AWS Budgets	IAM Password Policies	Serverless Computing
Module 4 : AWS Networking	**Module 5 : AWS Storage**	**Module 6 : AWS Security**
Virtual Private Cloud	Simple Storage Service	Shared Responsibility Model
VPC Subnets	S3 Buckets and Objects	AWS Identity Management
Route Tables	S3 Versioning	AWS Access Management
VPC Peering	S3 Lifecycle Policies	AWS Network Security
Transit Gateway	S3 Data Encryption	VPC Security
Access Control Lists	S3 Access Control	Data Encryption
Security Groups	Elastic Block Store	Key Management
VPC Security	EBS Volume Types	AWS Compliance and Auditing
Amazon CloudFront CDN	Snapshots	AWS Trusted Advisor
Route 53 DNS Service	Elastic File System	Security Monitoring
AWS Direct Connect	AWS Storage Gateway	Incident Response
Amazon VPC Endpoints	AWS Data Transfer	Security Best Practices
Module 7 : AWS Databases	**Module 8 : AWS Monitoring**	**Module 9 : Exam Preparation**
Relational Database Service	AWS CloudWatch	AWS SysOps Administrator
RDS Engine Types	AWS CloudTrail	Exam Objectives (SOA-C02)
Creating RDS Instances	Resource Management	Exam Preparation Tips
Managing RDS Instances	Systems Manager (SSM)	Practice Questions
DynamoDB NoSQL Database	AWS Cost Explorer	Mock Exams
Data Model and Operations	AWS Trusted Advisor	Test-Taking Strategies
Amazon ElastiCache	AWS Resource Optimization	Review and Q&A Sessions
Redshift Service	AWS Performance Tuning	Final Exam Review
Database Migration Service	Optimization Best Practices	AWS Certifications