MakeCloudWork

AWS Administration Essentials

Brief

This course is designed to equip IT professionals and administrators with the core skills needed to manage and operate an Amazon Web Services (AWS) environment. The course covers key concepts and practical exercises that will enable participants to deploy, configure, monitor, and manage AWS resources effectively.

Audience

- IT professionals with basic knowledge of cloud computing

- System administrators looking to expand their knowledge in cloud-based environments

- Professionals responsible for managing or administering AWS-based infrastructure

Duration

- 2 Days

Delivery Mode

- Online

- In-person

Benefits

- Gain a foundational understanding of AWS services and management

- Learn how to deploy and configure AWS resources like EC2, S3, and VPC

- Understand AWS administration best practices including identity management and security

- Hands-on experience through labs preparing participants for real-world AWS environments

What to Expect

Participants will walk away with practical skills to:

- Manage AWS accounts and resources

- Implement and manage storage solutions using S3 and EBS

- Deploy and manage EC2 instances

- Configure and manage Virtual Private Cloud (VPC) networks

- Manage identities using AWS Identity and Access Management (IAM)

Day 1: Core AWS Services and Infrastructure Management

Introduction to AWS and the AWS Management Console

- Overview of AWS services and global architecture

- Introduction to AWS CLI and SDKs

- Lab: Navigating AWS Management Console, setting up CLI, and configuring basic settings

AWS Identity and Access Management (IAM)

- Managing users, groups, and roles in IAM

- Role-Based Access Control (RBAC)

- Lab: Create IAM users, configure roles, and set permissions

Amazon EC2 Instances and Elastic Load Balancing (ELB)

- Deploying and managing EC2 instances

- Configuring load balancing with ELB and Auto Scaling

- Lab: Deploy an EC2 instance and set up load balancing for a web app

AWS Storage and Networking

- Introduction to Amazon S3 and EBS

- Designing and deploying VPC with subnets

- Lab: Configure S3 and set up a VPC with subnets

Day 2: Application Development, Monitoring, and Security

AWS Application Services

- Deploying and managing AWS Elastic Beanstalk for web applications

- Introduction to API Gateway for managing APIs

- Lab: Deploy a web app on Elastic Beanstalk and configure APIs using API Gateway

AWS Lambda for Serverless Applications

- Building and deploying serverless applications with AWS Lambda

- Lab: Create an event-driven application using Lambda

AWS Monitoring and Security

- Using CloudWatch for resource tracking

- Implementing security best practices with AWS Security Hub

- Lab: Set up monitoring alerts for EC2 instances and configure Security Hub recommendations

Backup and Disaster Recovery in AWS

- Configuring backups using AWS Backup

- Lab: Set up automatic backups for an EC2 instance and configure disaster recovery

Why Trust MakeCloudwork for Your Cloud Training Needs?

1. **Tailored Training Programs**: We customize our courses to suit the specific needs of your business, ensuring the skills you learn are directly applicable to your work.

2. **Proven Expertise**: Our team has over two decades of combined experience in cloud technologies, cybersecurity, and cloud architecture. We stay ahead of industry trends to keep you updated.

3. **Hands-on Learning**: Our labs and real-world scenarios enable you to develop practical skills, making learning more effective and engaging.

4. **Certification Guarantee**: We provide dedicated guidance and resources to help you confidently achieve your cloud certifications.

5. **Ongoing Support**: Post-training, we continue to offer resources, advice, and updates, so your learning never stops.

Let **MakeCloudwork** be your trusted partner in your cloud journey.

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