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# **AWS CERTIFICATE SYSOPS** **ADMINISTRATOR ASSOCIATE COURSE** **CONTENT(SOA-C02)**

## **1 Monitoring and Reporting:**

- 1.1 AWS CloudWatch
- 1.2 CloudWatch Metrics and Alarms
- 1.3 CloudWatch Logs
- 1.4 CloudWatch Events

## **2 High Availability:**

- 2.1 AWS Elastic Load Balancer (ELB)
- 2.2 Auto Scaling
- 2.3 AWS Elastic Beanstalk
- 2.4 AWS Elastic File System (EFS)
- 2.5 Multi-AZ Deployments

## **3 Deployment and Provisioning:**

- 3.1 AWS Identity and Access Management (IAM)
- 3.2 AWS Elastic Compute Cloud (EC2) Instances
- 3.3 Launching and configuring EC2 instances
- 3.4 AWS Elastic Beanstalk
- 3.5 AWS OpsWorks



## **4 Storage and Data Management:**

- 4.1 Amazon Simple Storage Service (S3)
- 4.2 Amazon Elastic Block Store (EBS)
- 4.3 Amazon Relational Database Service (RDS)
- 4.4 Amazon DynamoDB
- 4.5 AWS Storage Gateway
- 4.6 AWS Snowball

## **5 Security and Compliance:**

- 5.1 AWS Shared Responsibility Model
- 5.2 Security Groups and Network ACLs
- 5.3 AWS Identity and Access Management (IAM)
- 5.4 Data encryption
- 5.5 AWS Key Management Service (KMS)
- 5.6 AWS Inspector
- 5.7 AWS Trusted Advisor

## **6 Networking:**

- 6.1 Amazon Virtual Private Cloud (VPC)
- 6.2 Route 53 (DNS)
- 6.3 Direct Connect
- 6.4 VPC Peering
- 6.5 Network ACLs and Security Groups



## 6.6 VPN and Direct Connect

# 7 Automation and Optimization:

7.1 AWS Elastic Beanstalk

7.2 AWS Lambda

7.3 AWS CloudFormation

7.4 AWS Elastic Load Balancer (ELB)

7.5 Trusted Advisor

7.6 Cost Explorer

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