

1) A company uses Amazon Redshift for data warehousing. They need to monitor performance metrics and set up alerts for unusual activity. Which service should they use?

- A) AWS CloudTrail
- B) Amazon CloudWatch
- C) AWS Config
- D) Amazon Redshift Spectrum

2) A financial institution wants to use Amazon S3 to store data that is accessed infrequently but must be retrieved immediately when needed. Which S3 storage class should they choose?

- A) S3 Standard
- B) S3 Glacier
- C) S3 Standard-IA (Infrequent Access)
- D) S3 One Zone-IA

3) A solutions architect needs to ensure that a company's web application hosted on EC2 automatically scales to meet variable traffic demands. Which service should they use?

- A) AWS Elastic Beanstalk
- B) AWS Auto Scaling
- C) Amazon CloudFront
- D) AWS Lambda

4) A retail company uses AWS Lambda functions for processing real-time customer data. They want to coordinate multiple Lambda functions to process data sequentially. Which AWS service should they use?

- A) Amazon SQS
- B) Amazon SNS
- C) AWS Step Functions
- D) AWS Batch

5) A company wants to improve the durability of their database backups stored on Amazon S3. What feature should they enable?

- A) Cross-region replication
- B) S3 Lifecycle policies

- C) S3 Versioning
- D) S3 Transfer Acceleration

6) Which AWS service can be used to automatically detect anomalous activity in your AWS account and help protect against unauthorized access?

- A) AWS Shield
- B) Amazon GuardDuty
- C) AWS WAF
- D) AWS CloudTrail

7) A developer needs to securely store, manage, and rotate encryption keys for a sensitive application. Which service should they use?

- A) AWS IAM
- B) AWS KMS (Key Management Service)
- C) Amazon RDS
- D) AWS Secrets Manager

8) A company is planning to use AWS to host an application that includes database, compute, and storage resources. To save costs, they want to purchase instances at a lower cost with some flexibility in usage. Which type of instance should they use?

- A) Reserved Instances
- B) Spot Instances
- C) On-Demand Instances
- D) Dedicated Instances

9) A web application requires a NoSQL database with low-latency response times and needs to support dynamic scaling based on user demand. Which AWS service should they select?

- A) Amazon RDS
- B) Amazon Redshift
- C) Amazon DynamoDB
- D) Amazon Aurora

10) A team is developing a microservices-based application. They want to deploy, manage, and scale containerized applications without managing servers. Which AWS service should they choose?

- A) Amazon EC2
- B) Amazon EKS
- C) AWS Lambda
- D) AWS Fargate

Solutions

- B) Amazon CloudWatch**
- C) S3 Standard-IA (Infrequent Access)**
- B) AWS Auto Scaling**
- C) AWS Step Functions**
- C) S3 Versioning**
- B) Amazon GuardDuty**
- B) AWS KMS (Key Management Service)**
- A) Reserved Instances**
- C) Amazon DynamoDB**
- D) AWS Fargate**