

1) A company wants to ensure that all newly launched Amazon EC2 instances automatically have a specific set of security configurations. Which service can enforce this?

- A) AWS CloudTrail
- B) AWS Config
- C) Amazon GuardDuty
- D) AWS Trusted Advisor

2) A startup uses Amazon RDS PostgreSQL for its transactional database. They want to enable high availability for automatic failover in case of a failure. What should they do?

- A) Configure RDS in Multi-AZ deployment
- B) Add a read replica in the same Availability Zone
- C) Set up a DynamoDB table as a backup
- D) Enable RDS Auto Scaling

3) A solutions architect needs to implement a serverless architecture for a web application. Which combination of services will provide a scalable, serverless backend?

- A) AWS Lambda and Amazon RDS
- B) AWS Lambda and Amazon DynamoDB
- C) Amazon EC2 and Amazon S3
- D) Amazon RDS and Amazon API Gateway

4) A company wants to analyze petabytes of log data stored in Amazon S3 using SQL queries. They need a cost-effective, serverless solution. Which AWS service should they use?

- A) Amazon Redshift Spectrum
- B) Amazon EMR
- C) AWS Glue
- D) Amazon Athena

5) Which feature of Amazon RDS automatically backs up the database and allows for point-in-time recovery?

- A) Multi-AZ deployments
- B) Automated backups

- C) Read replicas
- D) Database snapshots

6) A developer needs to track changes made to an S3 bucket, including uploads, deletions, and modifications. Which service should they use to enable this?

- A) Amazon CloudWatch
- B) AWS CloudTrail
- C) Amazon S3 Versioning
- D) AWS Config

7) Which AWS service enables customers to decouple and scale microservices, distributed systems, and serverless applications using a message queue?

- A) Amazon Kinesis
- B) Amazon SNS
- C) Amazon MQ
- D) Amazon SQS

8) A company requires a managed service for running containers without managing the underlying infrastructure. Which AWS service should they choose?

- A) Amazon EC2
- B) Amazon ECS with Fargate
- C) AWS Lambda
- D) AWS Batch

9) A solutions architect needs to set up a relational database with a backup strategy that retains backups for a specified period. Which feature in Amazon RDS would they use?

- A) Cross-Region replication
- B) Automated backups
- C) Read replicas
- D) Storage Auto Scaling

10) A company wants to ensure that only approved Amazon EC2 instances with a specific AMI ID are launched. Which AWS service can enforce this compliance?

- A) AWS Organizations
- B) AWS IAM
- C) AWS Config
- D) AWS Trusted Advisor

Solutions

- B) AWS Config**
- A) Configure RDS in Multi-AZ deployment**
- B) AWS Lambda and Amazon DynamoDB**
- D) Amazon Athena**
- B) Automated backups**
- B) AWS CloudTrail**
- D) Amazon SQS**
- B) Amazon ECS with Fargate**
- B) Automated backups**
- C) AWS Config**