

**1) A company hosts its static website on Amazon S3. They want to restrict access to the S3 bucket so that only requests from their own website are allowed. Which feature should they use?**

- A) AWS IAM Policies
- B) Bucket Versioning
- C) Cross-Origin Resource Sharing (CORS)
- D) Amazon CloudFront

**2) An e-commerce application uses Amazon RDS MySQL database for storage. The database faces high read traffic, which slows down the application. What would be the most efficient way to optimize database performance?**

- A) Enable Multi-AZ deployment
- B) Use Amazon Aurora instead of RDS MySQL
- C) Create read replicas
- D) Use Amazon DynamoDB instead

**3) A company has a high-availability architecture across multiple AWS Regions and needs a DNS solution that routes traffic based on the region closest to users. Which Route 53 routing policy should they use?**

- A) Failover routing
- B) Geolocation routing
- C) Latency-based routing
- D) Weighted routing

**4) Which AWS service can you use to provide a virtual firewall for your Amazon EC2 instances?**

- A) AWS WAF
- B) AWS Shield
- C) Security Groups
- D) IAM Roles

**5) A media company uses Amazon CloudFront to serve video content globally. To ensure that the content is only accessible by authorized users, which feature should they use?**

- A) Signed URLs
- B) Edge Locations

- C) AWS KMS Encryption
- D) Amazon S3 Bucket Policies

**6) A solutions architect needs to run a batch job on Amazon EC2 instances, which process large amounts of data, and wants to save costs without risking interruptions. Which instance type is the most cost-effective for this requirement?**

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

**7) An application on EC2 instances in a private subnet needs access to the internet to download updates. Which solution allows access to the internet without making the EC2 instances publicly accessible?**

- A) Assign Elastic IP addresses to EC2 instances
- B) Use a NAT Gateway in a public subnet
- C) Use an Internet Gateway in a private subnet
- D) Use a VPN connection

**8) A company wants to store critical data that is frequently accessed and requires high durability. Which Amazon S3 storage class is best suited for this purpose?**

- A) S3 Standard
- B) S3 Intelligent-Tiering
- C) S3 Glacier
- D) S3 One Zone-Infrequent Access

**9) Which service should be used to monitor CPU utilization of Amazon EC2 instances?**

- A) AWS Trusted Advisor
- B) Amazon CloudWatch
- C) AWS Inspector
- D) AWS Config

**10) A company has data stored in an S3 bucket. They want to process this data using SQL queries without loading it into a database. Which AWS service provides this functionality?**

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

Solution

- C) Cross-Origin Resource Sharing (CORS)**
- C) Create read replicas**
- C) Latency-based routing**
- C) Security Groups**
- A) Signed URLs**
- B) Reserved Instances**
- B) Use a NAT Gateway in a public subnet**
- A) S3 Standard**
- B) Amazon CloudWatch**
- A) Amazon Athena**