

1) A company needs to store archive data on AWS that will be infrequently accessed but must be retrieved within minutes when required. Which S3 storage class is most suitable?

- A) S3 Standard
- B) S3 One Zone-IA
- C) S3 Glacier Instant Retrieval
- D) S3 Glacier Deep Archive

2) A solutions architect wants to design a VPC architecture where instances in private subnets can connect to AWS services without using public IP addresses. Which solution is best?

- A) Use an Internet Gateway
- B) Configure a NAT Gateway
- C) Use a VPN connection
- D) Use VPC endpoints

3) A development team wants to capture detailed error messages and monitor latency for their microservices. Which AWS service is most suitable for tracing and analyzing application requests?

- A) AWS CloudTrail
- B) Amazon CloudWatch
- C) AWS X-Ray
- D) Amazon SNS

4) A company wants to set up a high-throughput, serverless environment for processing large files uploaded to Amazon S3. Which combination of services should they use?

- A) Amazon EC2 and Amazon RDS
- B) AWS Lambda and S3 Event Notifications
- C) Amazon CloudFront and AWS Glue
- D) Amazon Elastic Transcoder and Amazon SNS

5) A business wants to improve its security posture by preventing unauthorized access to its AWS accounts. Which service should they use to monitor account activity and detect unusual patterns?

- A) AWS CloudTrail
- B) AWS Trusted Advisor

- C) AWS IAM
- D) Amazon GuardDuty

6) A company runs a database on Amazon Aurora and needs to reduce read latency during peak times. What is the best way to accomplish this?

- A) Enable Multi-AZ deployment
- B) Use Aurora Read Replicas
- C) Scale up the instance size
- D) Enable cross-region replication

7) A retail company wants to handle sudden traffic spikes on its e-commerce website. The website is hosted on multiple EC2 instances. Which combination of services can help distribute traffic and automatically adjust the number of instances?

- A) Amazon RDS and AWS WAF
- B) AWS Lambda and Amazon CloudFront
- C) Application Load Balancer and Auto Scaling
- D) Amazon S3 and Amazon CloudFront

8) A company wants to decouple the components of its microservices application so that messages can be sent between services asynchronously. Which AWS service should they use?

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

9) A data analytics team wants to transform and catalog large datasets stored in Amazon S3 for querying and reporting. Which AWS service should they use?

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

10) An application deployed in AWS needs secure access to an Amazon RDS database without embedding credentials in the code. Which service can manage this securely?

- A) AWS Secrets Manager
- B) Amazon S3
- C) AWS IAM Roles
- D) Amazon CloudFront

Solutions:

- C) S3 Glacier Instant Retrieval**
- D) Use VPC endpoints**
- C) AWS X-Ray**
- B) AWS Lambda and S3 Event Notifications**
- D) Amazon GuardDuty**
- B) Use Aurora Read Replicas**
- C) Application Load Balancer and Auto Scaling**
- A) Amazon SQS**
- B) AWS Glue**
- A) AWS Secrets Manager**