Scenario: You have a critical web application that stores user-generated content in AWS S3. You want to ensure that this data is protected against accidental deletion. Which S3 feature can help you achieve this?

1. Versioning
2. Cross-Region Replication
3. Object Lock
4. Lifecycle Policies

Scenario: Your organization needs to host a static website using AWS S3. What is the correct way to configure S3 for hosting a static website?

1. Use an S3 bucket and set the bucket policy to allow public access.
2. Use an S3 bucket with public ACLs (Access Control Lists) on each object.
3. Use an S3 bucket with an IAM (Identity and Access Management) policy for public access.
4. Use an S3 bucket and enable website hosting in the bucket properties.

Scenario: You are working on an application that requires low-latency access to frequently accessed objects in S3. What feature should you use to optimize performance and reduce latency?

1. S3 Intelligent-Tiering
2. S3 Standard
3. S3 One Zone-IA
4. S3 Glacier

Scenario: You need to replicate objects from one S3 bucket in the US East (N. Virginia) region to another S3 bucket in the US West (Oregon) region. What feature can you use to set up this replication?

1. Cross-Region Replication
2. Same-Region Replication
3. S3 Data Sync
4. S3 Transfer Acceleration

Scenario: Your organization wants to enforce encryption on all objects stored in S3 buckets, both in transit and at rest. Which options should you enable to achieve this?

1. Use SSL/TLS for data in transit and enable Server-Side Encryption for data at rest.
2. Enable IAM policies for data in transit and use KMS for data at rest encryption.
3. Use CloudFront for data in transit and enable Multi-Factor Authentication for data at rest.
4. Use Direct Connect for data in transit and enable Versioning for data at rest.

Answers:

Versioning

Use an S3 bucket and enable website hosting in the bucket properties.

S3 Intelligent-Tiering

Cross-Region Replication

Use SSL/TLS for data in transit and enable Server-Side Encryption for data at rest.

Scenario: You want to grant temporary, time-limited access to an object in your S3 bucket for a third-party contractor. Which AWS service can you use to generate temporary access URLs for this purpose?

1. Amazon S3 Access Control Lists (ACLs)
2. Amazon S3 Pre-signed URLs
3. AWS Identity and Access Management (IAM) roles
4. Amazon S3 Cross-Origin Resource Sharing (CORS)

Scenario: You are designing a backup solution for your company's critical data stored in S3. You need to ensure that backups are taken automatically and are retained for a specific duration. Which S3 feature can help you achieve this?

1. S3 Versioning
2. S3 Transfer Acceleration
3. S3 Lifecycle Policies
4. S3 Intelligent-Tiering

Scenario: Your application generates log files that you need to store efficiently in AWS S3, and you want to minimize storage costs. Which S3 storage class should you use for these log files?

1. S3 Standard-IA (Infrequent Access)
2. S3 Glacier
3. S3 One Zone-IA
4. S3 Intelligent-Tiering

Scenario: You are planning to migrate a large amount of data from an on-premises data center to AWS S3. What service can help you securely transfer this data to S3 over a dedicated network connection?

1. AWS DataSync
2. AWS Snowball
3. AWS Direct Connect
4. AWS Storage Gateway

Scenario: You want to monitor and receive notifications when specific events occur in your S3 bucket, such as new object uploads or deletions. Which AWS service can you configure to achieve this?

1. AWS CloudWatch
2. AWS Lambda
3. AWS S3 Event Notifications
4. AWS S3 Inventory

Answers:

Amazon S3 Pre-signed URLs

S3 Lifecycle Policies

S3 Standard-IA (Infrequent Access)

AWS Direct Connect

AWS S3 Event Notifications