Configuring Data Backup, Replication, and Recovery

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Module Overview

Versioning

Lifecycle rules

Cross-region replication

Demo

Versioning prevents accidental deletion and overwriting of data

Enable versioning

Upload object

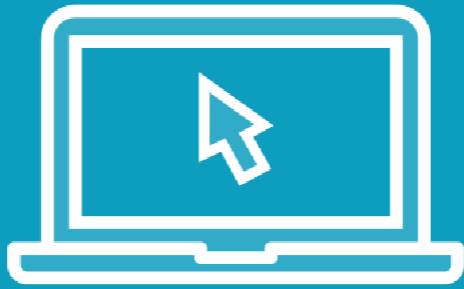**Restoring versions**

Lifecycle Management

Different storage classes provide different levels of redundancy

`Standard` **is the default storage class**

Automatically migrate older objects to a cheaper class
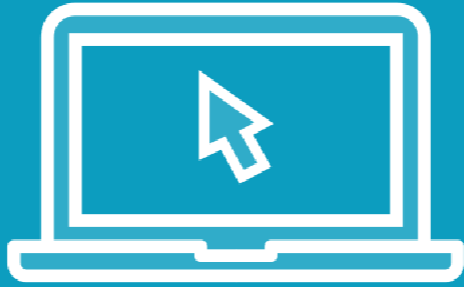
Automatically delete old objects

Demo

Examine object storage classes

Create a lifecycle rule

Demo

Configure cross-region replication

Replication doesn't include existing objects

Summary

Versioning

- Every change results in a new object version

- Deleting an object creates a marker

  • Delete the marker to restore the object

Summary

Lifecycle management
- Move objects to different classes
- Delete objects

Summary

Cross-region replication

- Synchronously copy new objects to a different bucket
- Replicating to a different region offers protection against local catastrophes

Course Summary

Protecting AWS credentials

Capturing and analyzing logs

Protecting network and host-level boundaries

Protecting data at rest

Protecting data in transit

Configuring data backup, replication, and recovery