

# Configuring Data Backup, Replication, and Recovery

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AWS CERTIFIED SOLUTIONS ARCHITECT

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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



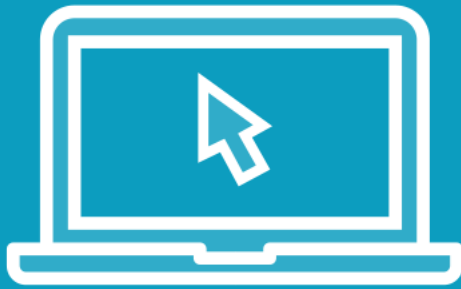
**Different storage classes provide different levels of redundancy**

**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





**Thanks for watching!**

**Questions? Contact [ben@benpiper.com](mailto:ben@benpiper.com) or  
use the course discussion page**

