



1



Introduction

1

Allows you to prevent the deletion of an object or the modification of its version for a fixed amount of time or indefinitely.

2

This can help you protect your data from accidental or malicious deletions and modifications.

2



Terminology

1

Retention mode

1



Introduction

Rules that determine how strictly an S3 object version is protected from modification or deletion for a set period of time.

2

Governance Mode

Objects are locked, but users with special permissions can change the lock settings or delete the object

1

s3:BypassGovernanceRetention

2

s3:PutObjectRetention

3

Compliance Mode

Objects are locked and cannot be changed or deleted by anyone, including the root account, until the retention period ends.

2

Retention period

Retention period in S3 Object Lock refers to the standard duration for which objects will be locked when you enable retention on a bucket.

3

Legal Hold

1

In addition to retention periods, you can also apply a legal hold on an object

2

A legal hold provides the same protection as a retention period but does not have a predefined expiration date.

3

This can be useful in scenarios such as legal investigations when you do not know when the need to retain the data will end.

1

Access Permissions

1

Ensure that you have the necessary permissions to manage Object Lock settings

2

This can be achieved through IAM permissions or by setting a bucket policy. Typically, the required permissions include

1

s3:PutObjectLegalHold

2

s3:PutObjectRetention

3

s3:GetObjectRetention

2

Versioning

Before you can turn on Object Lock, bucket versioning must be enabled.

3

Object Lock



1

Disable

By default, Object Lock is disabled on AWS S3 buckets

2

Enable

Enabling Object Lock on an AWS S3 bucket means activating a specific feature that allows you to apply retention policies and legal holds to objects stored in that bucket.

Once Amazon S3 Object Lock is enabled, you can't disable Object Lock or suspend Versioning for the bucket

4

Default Retention

1

Disable

1

You want complete control over which objects have Object Lock

2

You have varying object lifespan needs within a bucket

3

Flexibility to modify or remove protections easily is a priority

2

Enable

1

You want a consistent layer of protection for objects in a bucket

2

Compliance regulations mandate data immutability

3

You wish to streamline object protection and reduce manual configuration