

## Assignment -5 S3 Lifecycle policy, Versioning.

### 1.Create bucket with ACLs enabled

The screenshot shows the AWS Management Console interface for creating a new S3 bucket. The top navigation bar includes the AWS logo, 'Services' menu, a search bar, and user information for 'Mumbai' and 'UtkarshaYadav'. The main content area is titled 'Bucket name' and contains a text input field with the value 'demolifecyce001'. Below the input field, there is a note: 'Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)'. A section titled 'Copy settings from existing bucket - optional' states: 'Only the bucket settings in the following configuration are copied.' and includes a 'Choose bucket' button. A format hint 'Format: s3://bucket/prefix' is provided. The 'Object Ownership' section explains that it controls ownership of objects written to the bucket from other AWS accounts and the use of access control lists (ACLs). It features two radio button options: 'ACLs disabled (recommended)' and 'ACLs enabled'. The 'ACLs enabled' option is selected. A yellow warning box at the bottom of this section states: 'We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users'. The footer of the console shows 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc. or its affiliates.

Bucket name [Info](#)

demolifecyce001

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - *optional*  
Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Format: s3://bucket/prefix

**Object Ownership** [Info](#)

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

☐ ACLs disabled (recommended)  
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

☒ **ACLs enabled**  
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

⚠ We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users

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### 2.Bucket versioning enabled

The screenshot shows the 'Bucket Versioning' configuration page in the AWS Management Console. The top navigation bar is identical to the previous screenshot. The main content area is titled 'Bucket Versioning' and includes a descriptive paragraph: 'Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)'. Below this, the 'Bucket Versioning' section has two radio button options: 'Disable' and 'Enable'. The 'Enable' option is selected. The 'Tags - optional (0)' section explains that bucket tags can be used to track storage costs and organize buckets, with a 'Learn more' link. It states 'No tags associated with this bucket.' and includes an 'Add tag' button. The footer of the console shows 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc. or its affiliates.

**Bucket Versioning**

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

☐ Disable

☒ **Enable**

**Tags - optional (0)**

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

[Add tag](#)

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### 3. Bucket is created

The screenshot shows the AWS Management Console interface. At the top, a green notification banner states: "Successfully created bucket 'demolifecycle001'". Below this, the 'General purpose buckets' section is active, displaying a table with one bucket: 'demolifecycle001' in the 'Asia Pacific (Mumbai) ap-south-1' region, created on September 29, 2024. The console also shows an 'Account snapshot' and a 'View Storage Lens dashboard' button.

Name	AWS Region	IAM Access Analyzer	Creation date
<a href="#">demolifecycle001</a>	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	September 29, 2024, 12:17:05 (UTC+05:30)

### 4. Apply lifecycle rule

The screenshot shows the 'Create lifecycle rule' page in the AWS Management Console. The 'Lifecycle rule configuration' section is visible, with the 'Lifecycle rule name' field containing 'mylifecyclerule'. Under 'Choose a rule scope', the option 'Apply to all objects in the bucket' is selected. A warning box states: "Apply to all objects in the bucket. If you want the rule to apply to specific objects, you must use a filter to identify those objects. Choose 'Limit the scope of this rule using one or more filters'. Learn more". A checkbox 'I acknowledge that this rule will apply to all objects in the bucket.' is checked.

## 5. Lifecycle rule actions

The screenshot shows the AWS console interface for configuring lifecycle rule actions. At the top, there's a navigation bar with the AWS logo, 'Services' link, a search bar, and user information. A yellow acknowledgment banner states: 'I acknowledge that this rule will apply to all objects in the bucket.' Below this, the 'Lifecycle rule actions' section is titled, followed by a description and links to 'Learn more' and 'Amazon S3 pricing'. A list of actions is provided with checkboxes: 'Transition current versions of objects between storage classes' (checked), 'Transition noncurrent versions of objects between storage classes' (unchecked), 'Expire current versions of objects' (checked), 'Permanently delete noncurrent versions of objects' (unchecked), and 'Delete expired object delete markers or incomplete multipart uploads' (unchecked). A note states: 'These actions are not supported when filtering by object tags or object size.' Below the actions list is the 'Transition current versions of objects between storage classes' section, which includes a description and a link to 'Learn more'. At the bottom of this section, there are input fields for 'Choose storage class transitions' and 'Days after object creation'. The footer contains 'CloudShell', 'Feedback', copyright information for 2024 Amazon Web Services, and links for 'Privacy', 'Terms', and 'Cookie preferences'.

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☒ I acknowledge that this rule will apply to all objects in the bucket.

### Lifecycle rule actions

Choose the actions you want this rule to perform. Per-request fees apply. [Learn more](#) or see [Amazon S3 pricing](#)

- ☒ Transition current versions of objects between storage classes
- ☐ Transition noncurrent versions of objects between storage classes
- ☒ Expire current versions of objects
- ☐ Permanently delete noncurrent versions of objects
- ☐ Delete expired object delete markers or incomplete multipart uploads

These actions are not supported when filtering by object tags or object size.

### Transition current versions of objects between storage classes

Choose transitions to move current versions of objects between storage classes based on your use case scenario and performance access requirements. These transitions start from when the objects are created and are consecutively applied. [Learn more](#)

Choose storage class transitions Days after object creation

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## 6. Select Storage Class and Add how many days after your object will get expire

The screenshot displays the 'Transition current versions of objects between storage classes' section of the AWS console. It includes a description and a 'Learn more' link. Below this, there are two columns: 'Choose storage class transitions' and 'Days after object creation'. The first transition is set to 'Standard-IA' with a duration of '30' days, and the second is 'Glacier Instant Retrieval' with a duration of '60' days. Each transition has a 'Remove' button. An 'Add transition' button is located below the list. The 'Expire current versions of objects' section is also visible, with a description and a 'Learn more' link. It includes an input field for 'Days after object creation' set to '1000'. The footer is identical to the previous screenshot, showing 'CloudShell', 'Feedback', copyright information, and links for 'Privacy', 'Terms', and 'Cookie preferences'.

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### Transition current versions of objects between storage classes

Choose transitions to move current versions of objects between storage classes based on your use case scenario and performance access requirements. These transitions start from when the objects are created and are consecutively applied. [Learn more](#)

Choose storage class transitions	Days after object creation	
Standard-IA	30	Remove
Glacier Instant Retrieval	60	Remove

Add transition

### Expire current versions of objects

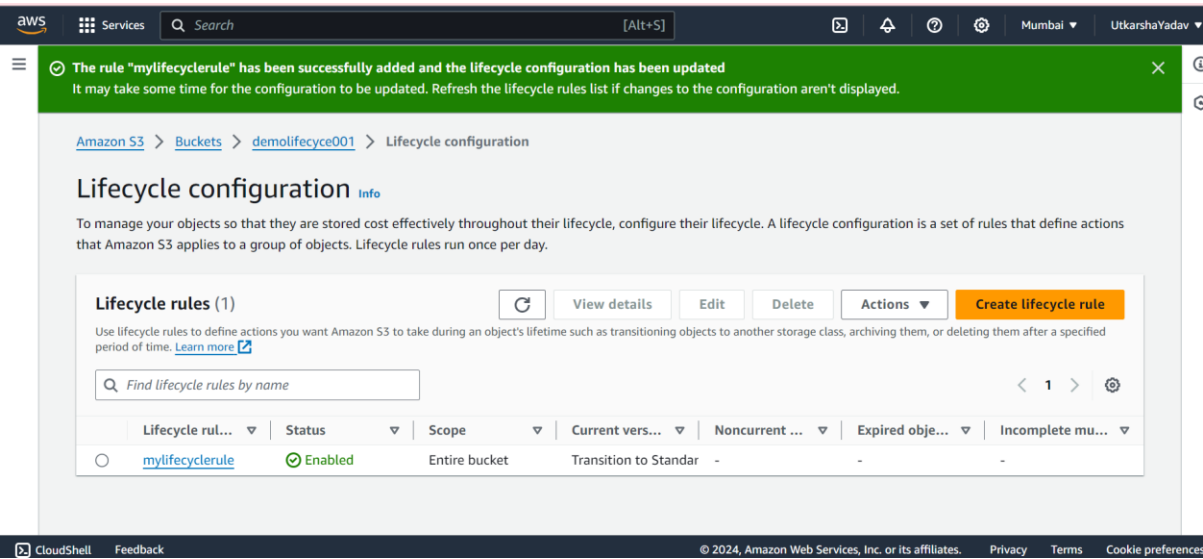
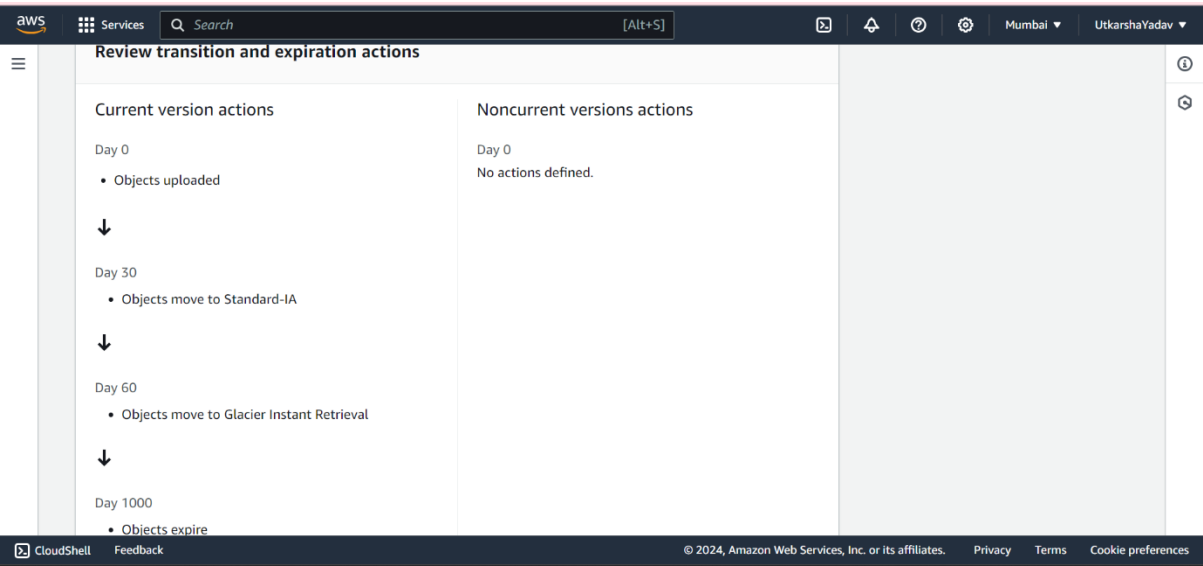
For version-enabled buckets, Amazon S3 adds a delete marker and the current version of an object is retained as a noncurrent version. For non-versioned buckets, Amazon S3 permanently removes the object. [Learn more](#)

Days after object creation

1000

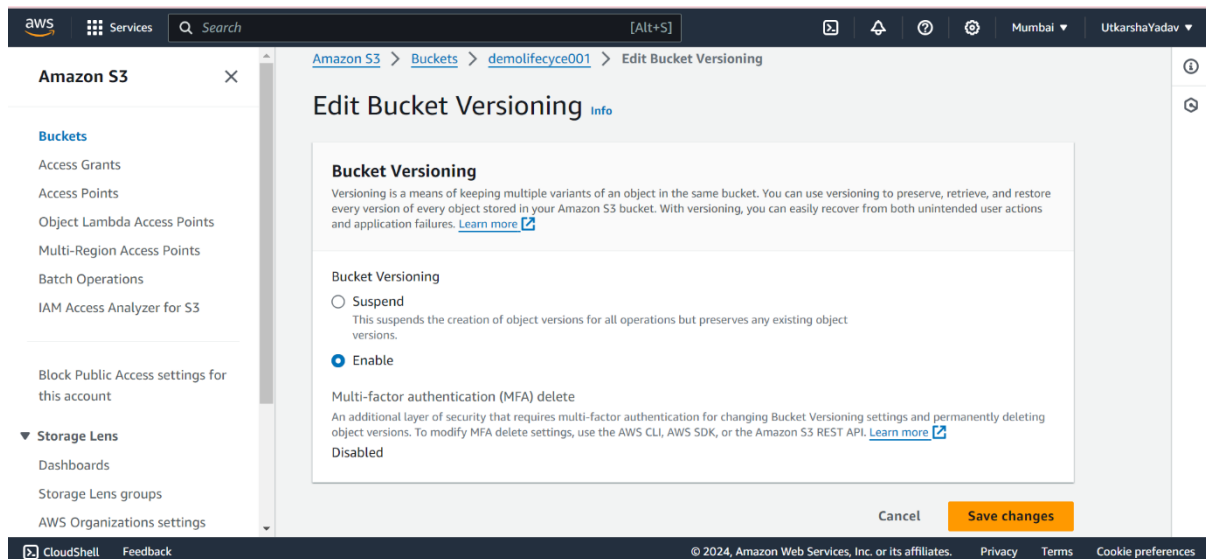
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7. Review of your Lifecycle Rule

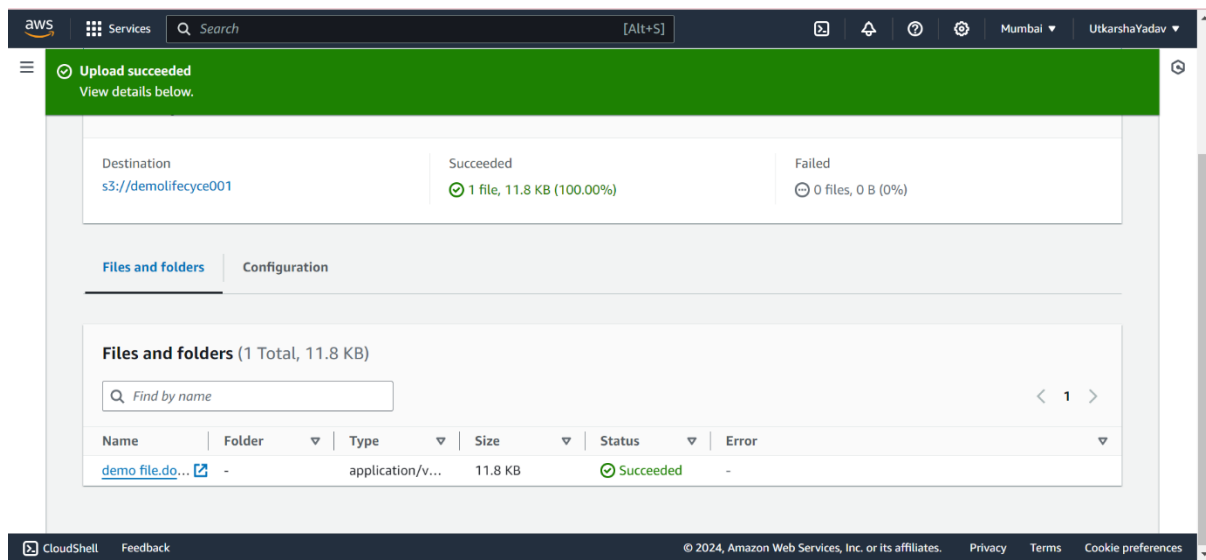


## 8. Add versioning to your bucket- make it Enabled

Once disabled can be change to enabled but enabled cannot to change to disabled it can only get suspended.



## 9. Upload object to bucket and make it public and upload again two times same object with minor changes in object to see the versions created.



10. Versions of objects are created.

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Mumbai

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Amazon S3

Buckets

demolifecyce001

demo file.docx

demo file.docx




Copy S3 URIDownloadOpenObject actions

PropertiesPermissionsVersions

Versions (3)

DownloadOpenDeleteActions

< 1 >

<input type="checkbox"/>	Version ID	Type	Last modified	Size	Storage class
<input type="checkbox"/>	 INyO.0vvhAo86717DJ0hAluTVUeak7v6 (Current version)	docx	September 29, 2024, 13:39:38 (UTC+05:30)	11.9 KB	Standard
<input type="checkbox"/>	 <a href="#">b8gP.dg2b3uL6Gp.Q3dsK26FW_LXaeQH</a>	docx	September 29, 2024, 13:37:06 (UTC+05:30)	11.8 KB	Standard
<input type="checkbox"/>	 <a href="#">2C8_NF7CGMIUh_VO7zcuXbfXLNYaLzRW</a>	docx	September 29, 2024, 13:34:13 (UTC+05:30)	11.8 KB	Standard

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