AWS CLOUD COMPUTING

CONFIGURATION OF AMAZON S3 GLACIER

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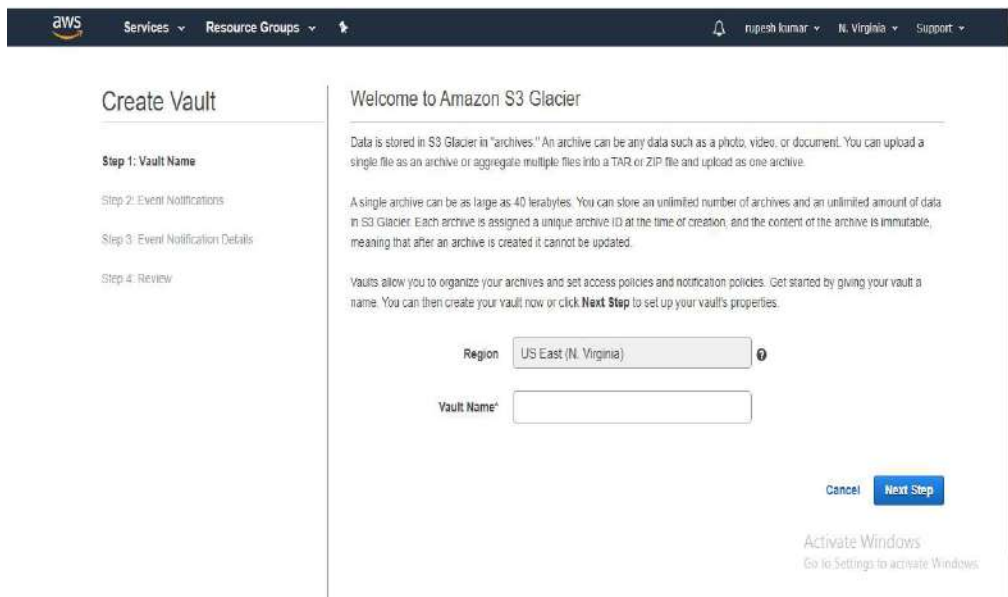
Amazon S3 Glacier

Amazon S3 Glacier is a secure, durable, and extremely low-cost Amazon S3 storage class for data archiving and long-term backup. With S3 Glacier, customers can store their data cost effectively for months, years, or even decades. S3 Glacier enables customers to offload the administrative burdens of operating and scaling storage to AWS, so they don't have to worry about capacity planning, hardware provisioning, data replication, hardware failure detection and recovery, or time-consuming hardware migrations.

It is one of the many different storage classes for Amazon S3. S3 Glacier provides operations to create and delete vaults. You can obtain a vault description for a specific vault or for all vaults in an AWS Region. The vault description provides information such as creation date, number of archives in the vault, total size in bytes used by all the archives in the vault, and the date S3 Glacier generated the vault inventory. S3 Glacier also provides operations to set, retrieve, and delete a notification configuration on the vault.
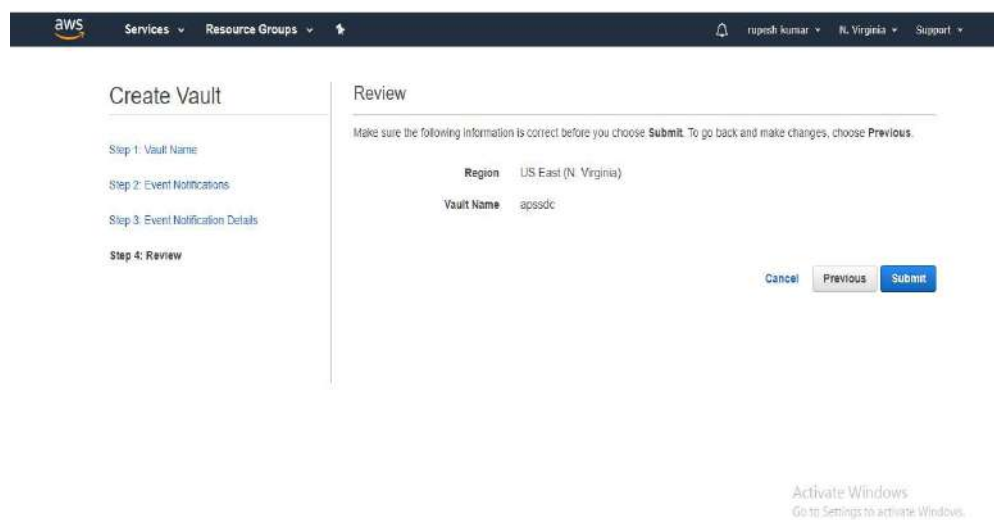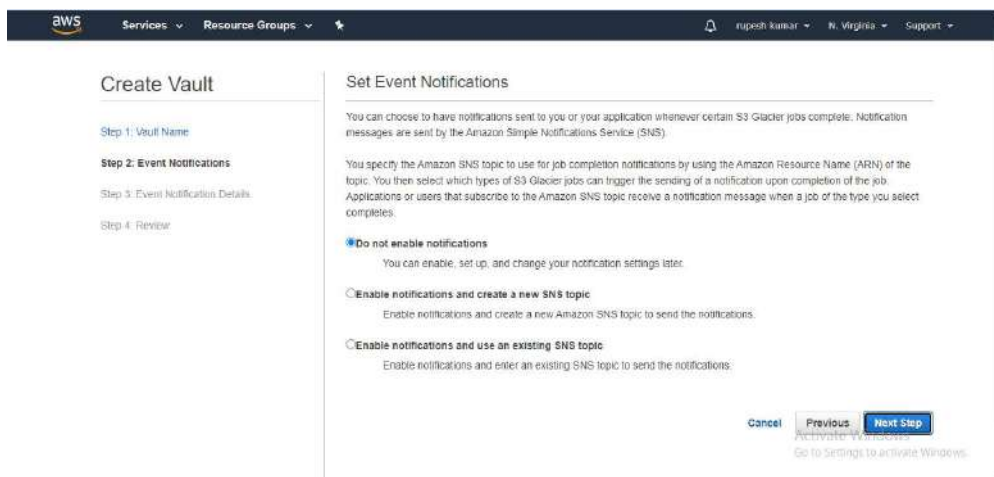
S3 Glacier provides operations for you to upload and delete archives. You cannot update an existing archive; you must delete the existing archive and upload a new archive. Note that each time you upload an archive, S3 Glacier generates a new archive ID.

- From the AWS management console, click on services and select s3 glacier from storage section.
- Click on the **create vault** button to create a vault, you can read out the description of s3 glacier to understand better and give a name for vault and click on the **next step** button.
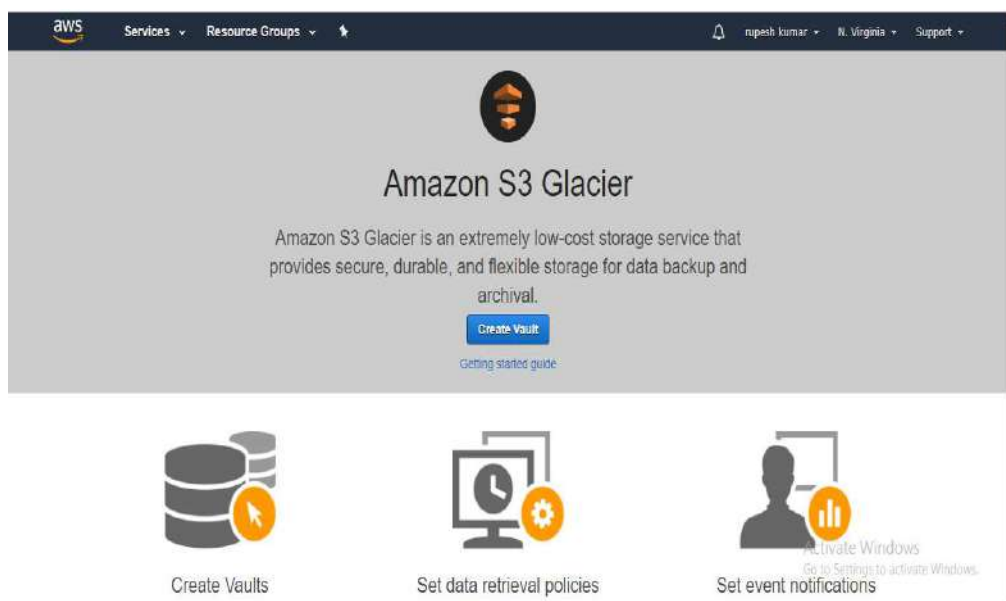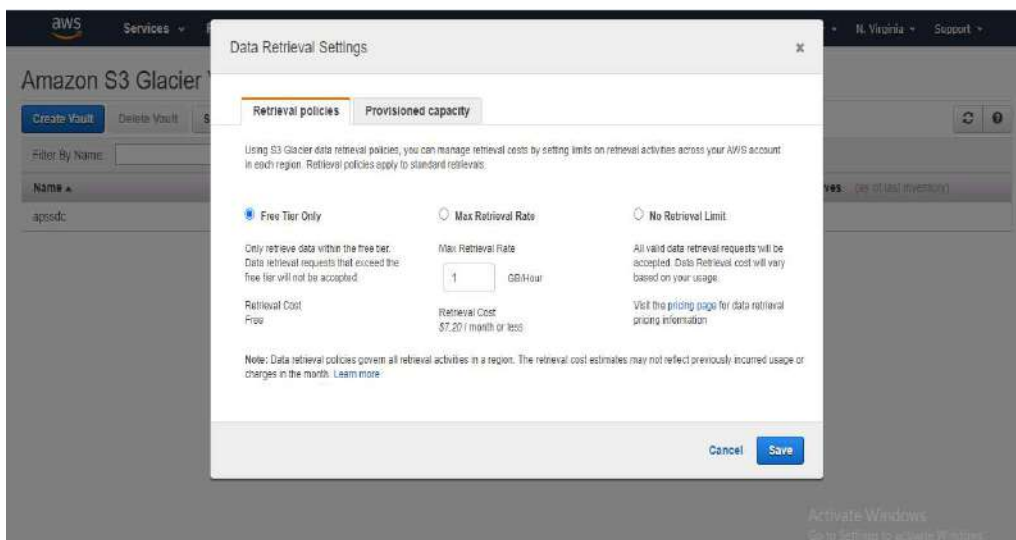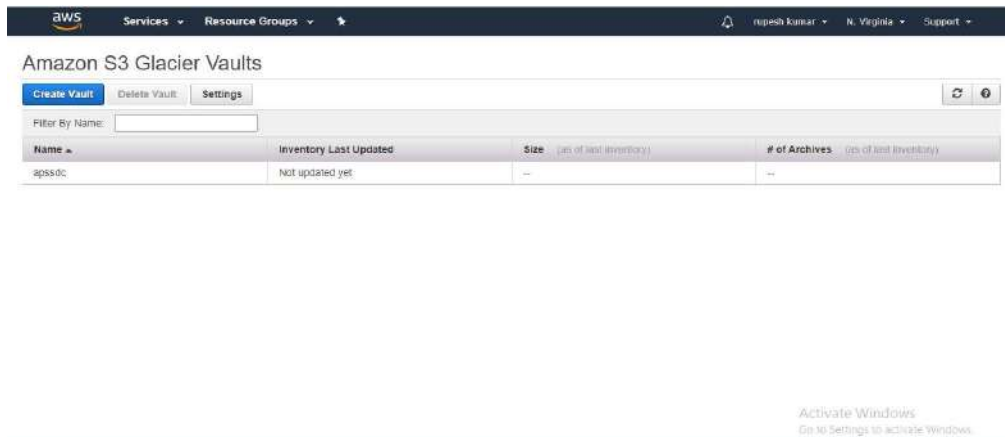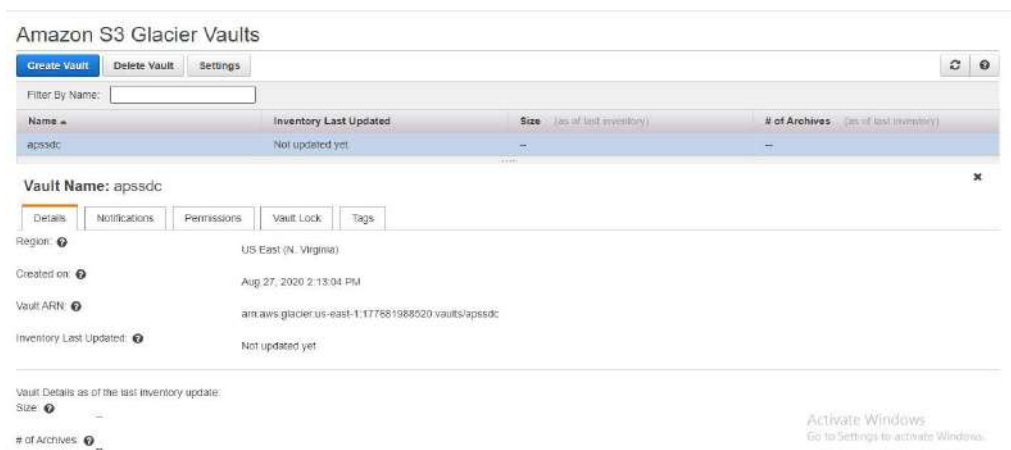
- Let the things as default and click on **next step**, and click on the **submit** button.
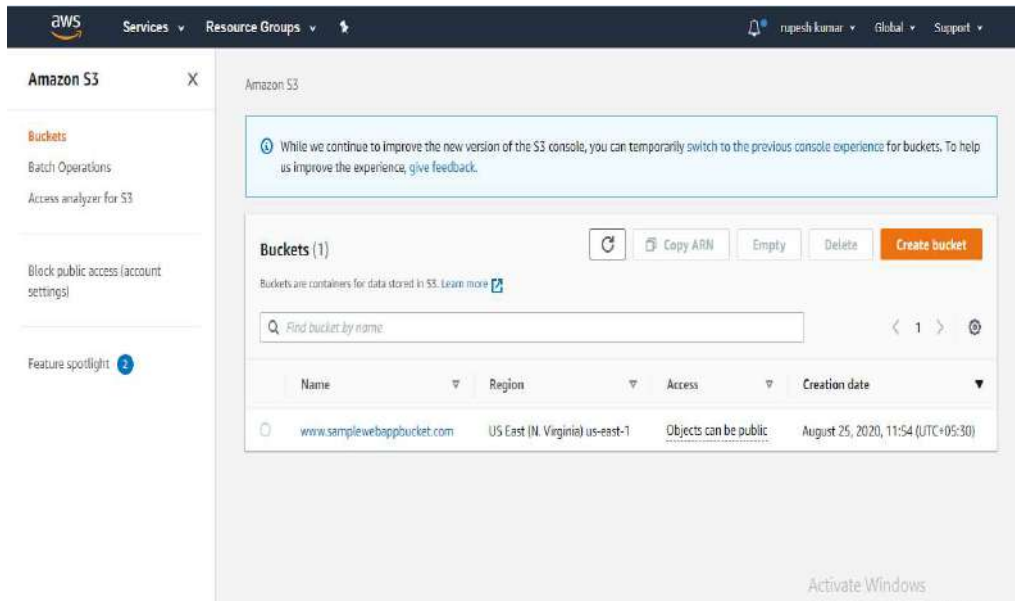
- Vault got created, now click on **settings** button, choose the retrieval policy and click on **save**.
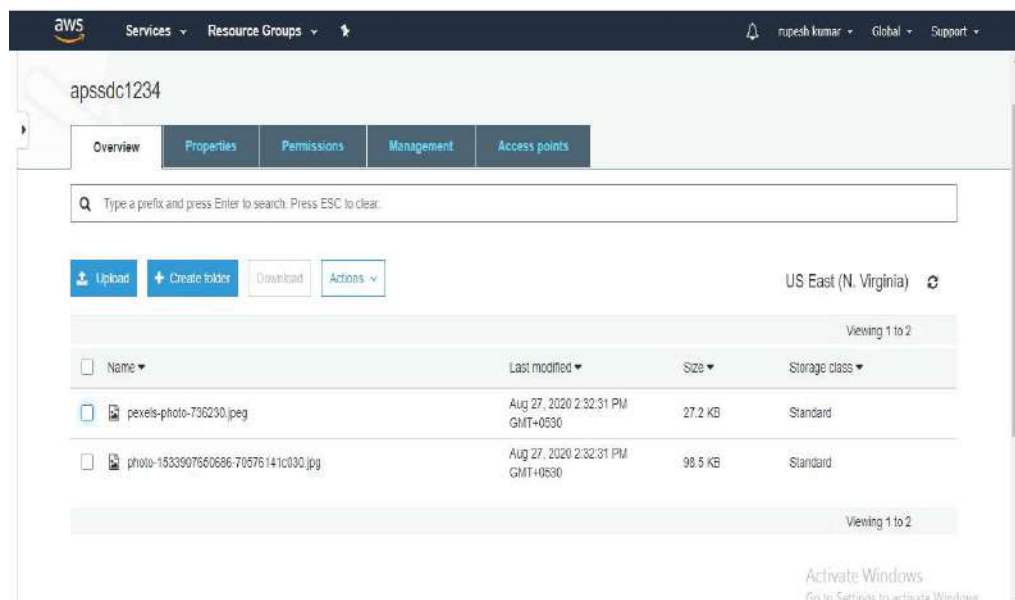

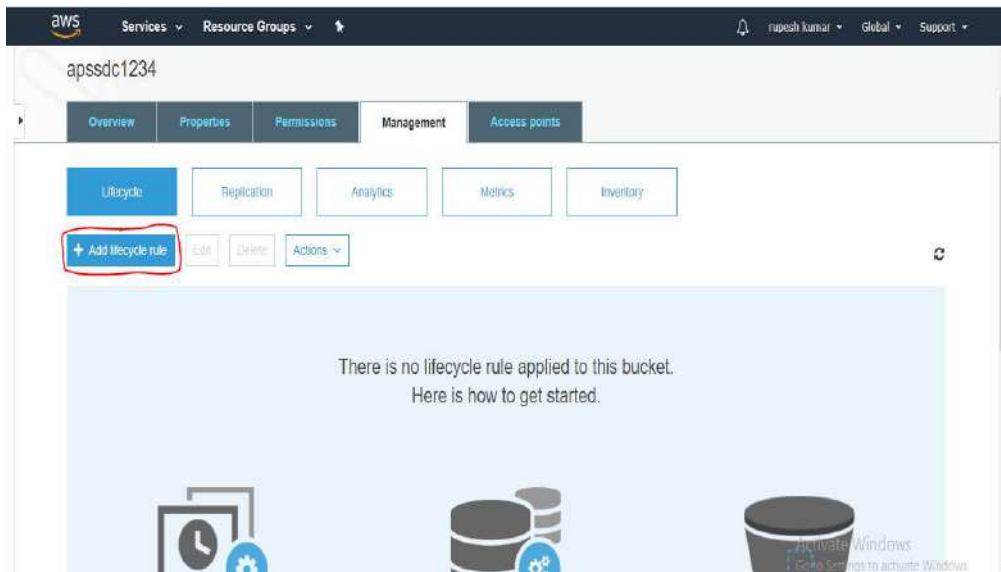- Click on the **vault name** to see the details of the vault.

- Now how to transfer files from s3 to glacier. To transfer files, open your s3 console, first click on services and select s3 from the storage section.
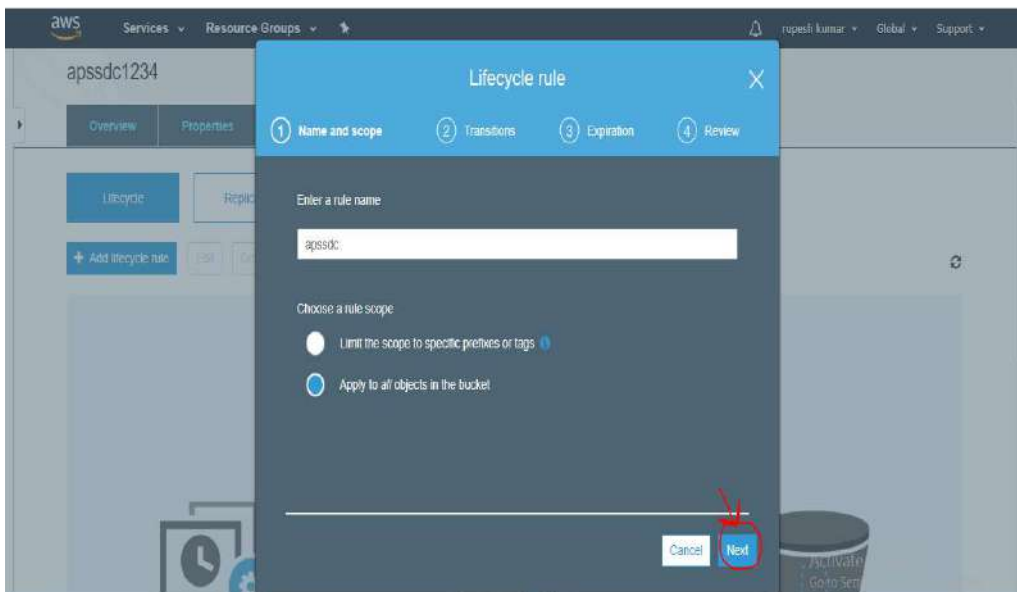

- Click on your bucket name and check the storage class of your objects, it is in **standard class.**


- Now select the management tab and click on the **add lifecycle rule** button.

- Give a **name** for the rule, select rule scope as **apply to all objects in the bucket** and click on **next**.
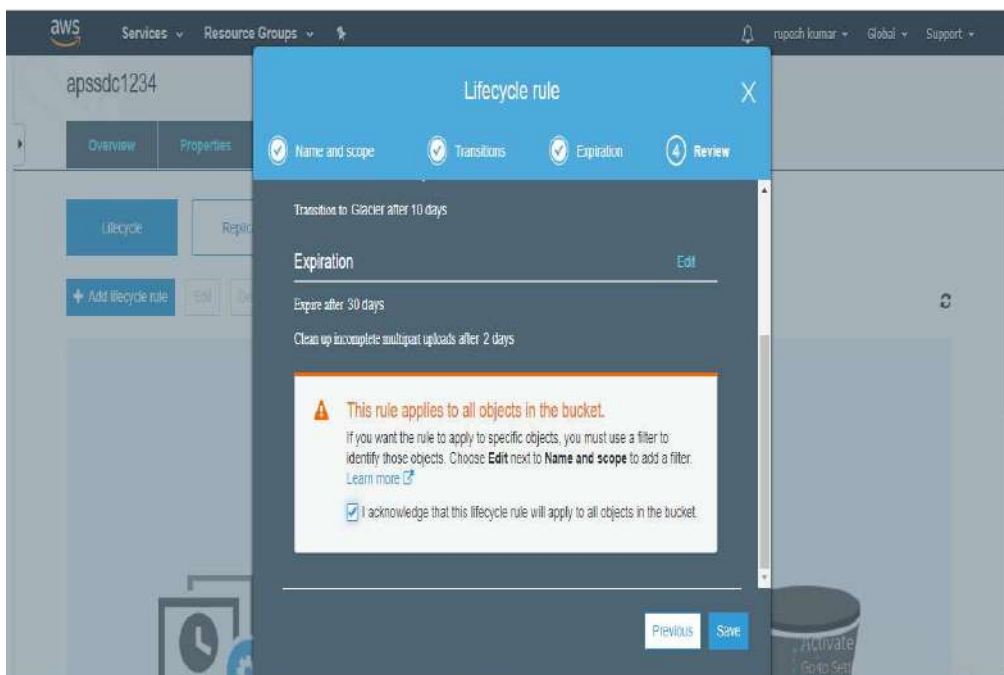

- Select **current version** as storage class transition and click on **add transition**. Select transition as **transition to glacier after** for object creation and enter the number of **days** after creation and select i acknowledge checkbox and click on **next**.
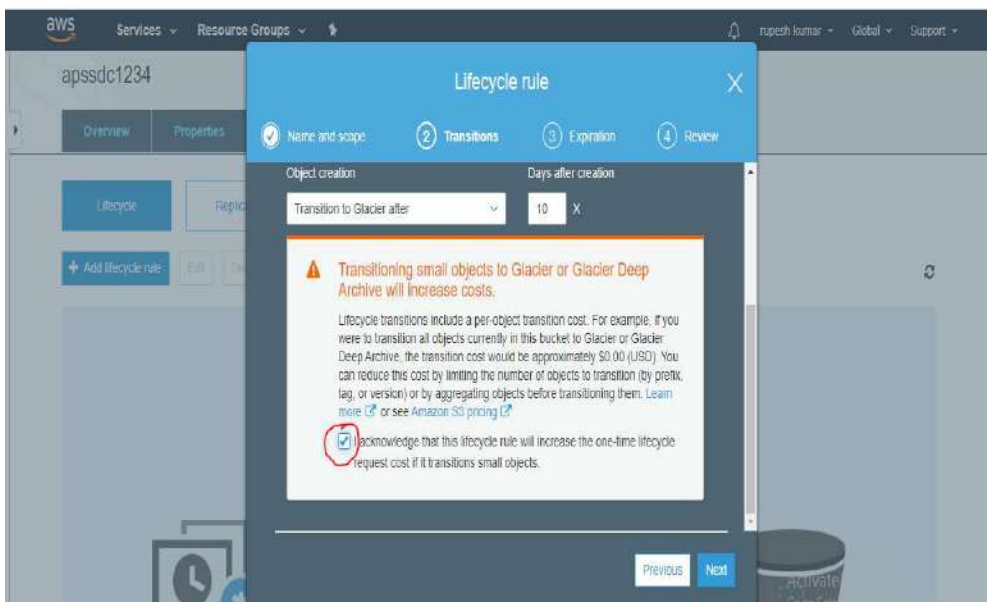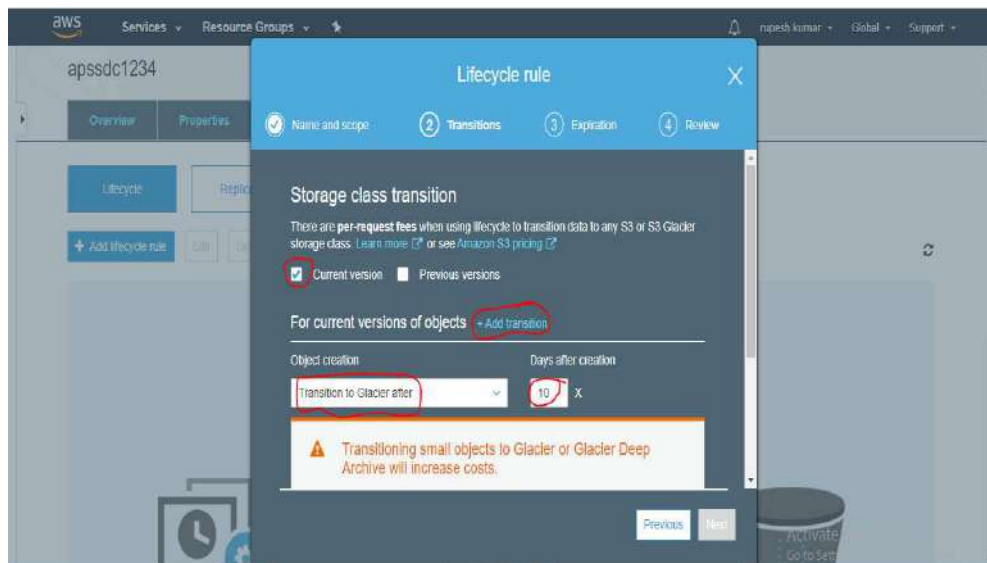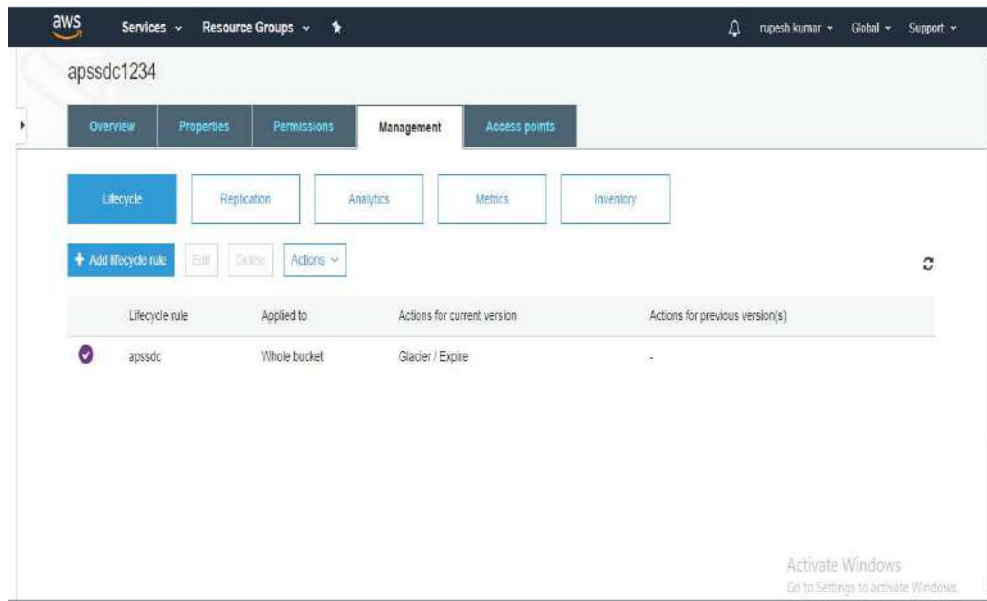
- Click on the **current version** as configure expiration, you can change the no of days for current object expiration and select **clean up incomplete multipart uploads** checkbox, and click on **next**.
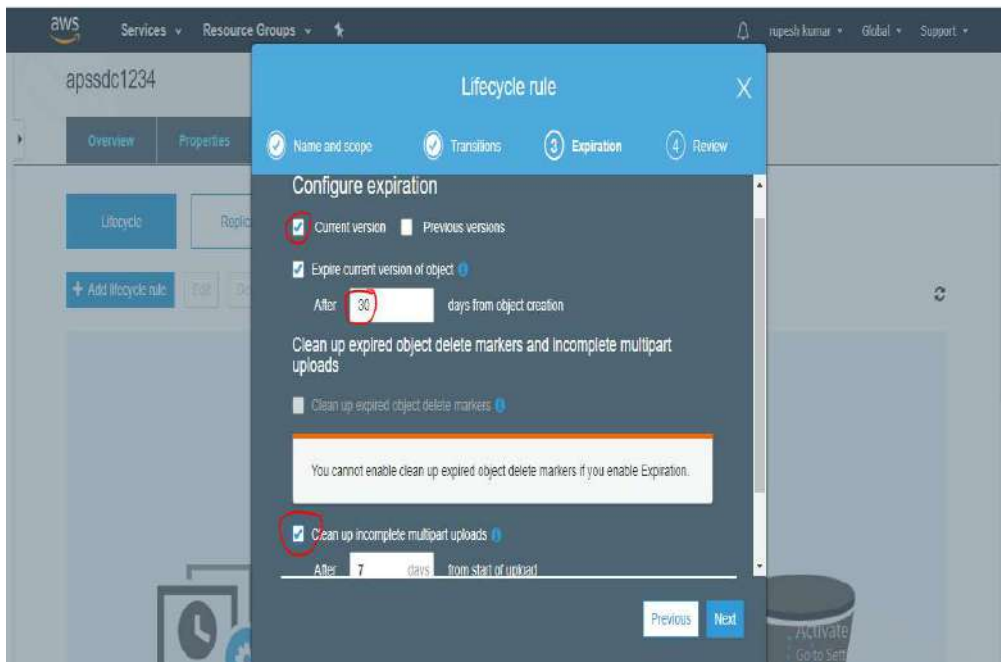
- Scroll down a little bit, select the i acknowledge check box and click on the **save** button.

- Here you can check the actions for the current version as storage type.

- Now click on overview tab, after 1 day you can check the **storage class** changed to **glacier class**.