* Configure Lifecycle Rules for Amazon S3

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You work for a small financial company that is going through infrastructure budget cuts. The management has ordered you to revise existing storage solutions for company data located in two S3 buckets named company-photos-<suffix> and company-documents-<suffix>.

You have been instructed to keep all company photos located in company-photos-<suffix>, however the managers told you that people lose interest in older photos, after about 30 days don't view them often, and after three months they don't view them at all.

You've also been instructed that the company-documents-<suffix> bucket contains automated application logs which are taking huge amounts of storage as they are unmanaged, and the application has been running for quite some time. The developers of the application said the objects can be deleted after a couple of days.

The bucket also contains daily reports and versions of those reports where only 30 days worth of reports need to be kept for compliance purposes, and anything older than 30 days can be deleted.

The managers stressed that the company-documents-<suffix> bucket also contains extremely important documents which are accessed at all times and cannot be moved or removed.

You can start creating Lifecycle rules as instructed. First the managers told you that photos in company-photos-<suffix> bucket are not accessed much after about a month, and not viewed at all after three months, so you can create a Lifecycle rule to transfer the photos over to lower S3 storage classes over time.

Log in to the AWS Console using the user name, Password, and Open AWS console button provided by this lab.

At the top of the page in the search bar, type in and then click on S3. You should see buckets named company-documents-<suffix> and company-photos-<suffix>.

Click the company-photos-<suffix> bucket, and look at objects present.

Note: There are multiple objects here representing company's photo gallery.

Click the Management tab, then click the Create lifecycle rule button.

At the Create lifecycle rule page, enter the following values:

Lifecycle rule name: transfer-all-objects-to-low-class

Choose a rule scope: Apply to all objects in the bucket

I acknowledge that this rule will apply to all objects in the bucket: Check this box.

Lifecycle rule actions: Move current versions of objects between storage classes

Storage class transitions: Standard-IA (This should be the default selection.)

Days after object creation: 30

Click Add transition, and in the fields that appear, enter the following

Storage class transitions: Glacier Flexible Retrieval

Days after object creation: 90

I acknowledge that this lifecycle rule will increase the one-time lifecycle request cost if it transitions small objects: Check this box.

At the bottom of the page, click Create rule.

You will be back at the Lifecycle configuration page, and the transfer-all-objects-to-low-class rule will be listed.

Note:

Effectively the rule will now transfer company photos in the entire bucket from the S3 Standard storage class to an S3 Standard–Infrequent Access (IA) after 30 days, and to Glacier after 90 days. The configured Lifecycle rule will effectively reduce storage costs over time.

It's important to note that the entire transition from S3 Standard to Glacier will take 90 days. Between S3 Standard to S3 Standard–IA there is 30 days, and between S3 Standard–IA to Glacier there is 60 days.