Expire Data Based on Age in Azure Blob Storage

Introduction

In the scenario for this hands-on lab, you are the web admin for an online shopping site. The holidays are coming, so you anticipate holiday-themed items becoming popular in your store. You plan to showcase these items on the homepage, in which a web app retrieves the photos for these items from an Azure Storage account.

After the holiday season, you don't want to keep these images, and the storage costs are too significant. You must find a way to automatically delete these photos after 30 days.

Solution

Log in to the Azure portal using the credentials provided on the lab instructions page.

Upload the Photos to Blob Storage

- Download the photos to your computer
- Open a new browser window or tab and paste in the link into the address bar.
- Click the **Code** button.
- Select **Download ZIP**.
- If prompted, select **Save File** and click **OK**.
- Click the **Save** button.
1. Return to the Azure portal.
2. Select **Storage accounts**.
3. On the left side, select the container that starts with **stor**.
4. In the middle navigation menu, under **Blob service**, select **Containers**.
5. Select **+ Container** to add a new container.
6. In the **New container** pane on the right, under **Name**, enter *holidaysale*.
7. Under **Public access level**, select **Container (anonymous read access for containers and blobs)**.
8. Click the **Create** button.
9. Select the new **holidaysale** container.

10. Select **Upload** to upload the photos.
11. In the **Upload blob** pane on the right, under **Files**, click the folder icon to select files.
12. Find the image files that you downloaded and saved earlier and click the **Open** button.
13. Select **Advanced** to expand the advanced options.
14. Under **Upload to folder**, enter *img* to upload the files to a folder named `img`.
15. Click the **Upload** button.

Add a Policy to the `img` Folder

1. In the breadcrumb trail on top of the page, click **Storage accounts** to return to the storage account dashboard.
2. In the middle navigation menu, under **Blob service**, select **Lifecycle Management**.
3. Select **+ Add a rule**.
4. On the **Add a rule** page, enter the following values:
   - **Rule name**: Enter *30days*.
   - **Rule scope**: Select **Limit blobs with filters**.
   - **Blob type**: Select **Block blobs**.
   - **Blob subtype**: Select **Base blobs**.
5. Click the **Next** button.
6. On the next page, set the following values:
   - **More than (days ago)**: Enter *30*.
   - **Then**: Select **Delete the blob**.
7. Click the **Next** button.
8. On the next page, under **Prefix match**, enter *holidaysale/img*.
9. Click the **Add** button. This should update the lifecycle management policy for your storage account.
10. Select **30days** to check and potentially update the rule.