Demo – Online Storage

## Setup a bucket for online storage

1. Login to the AWS Console
2. Check to see if you are in the desired region
3. From the “AWS Services” screen, choose “S3” under “Storage”
4. Click “+ Create bucket”
5. Give it a unique name. Bucket names are globally unique across all accounts and regions
6. Choose a region such as US East (Ohio)
7. Click “Create”

## Upload a File

1. Click “Upload”
2. Drag and drop Greece-1 from the photos folder
3. Click Upload

### Examine Properties

1. Click the checkbox next to Greece-1.jpeg
2. Examine the overview, properties and permissions from the dialog that appears.
3. Under properties, the storage class should be “Standard” and encryption should be “None”
4. X out of the file information dialog

## Setup Default Encryption

1. Click on the “Properties” tab
2. Click on “Default encryption”
3. Choose “AES-256” and click “Save”
4. Click on the “Overview” tab
5. Click “Upload”
6. Drag and drop Greece-2 from the photos folder
7. Click Upload

### Examine Properties

1. Click the checkbox next to Greece-2.jpeg
2. Examine the overview, properties and permissions from the dialog that appears.
3. Under properties, the storage class should still be “Standard” but the encryption should be “AES-256”
4. X out of the file information dialog

**Question:** Did the encryption change for Greece-1.jpeg?

## Explicitly Set the Storage Class

1. Click “Upload”
2. Drag and drop Greece-3 from the photos folder
3. Click “Next”
4. Click “Next” again in the Set permissions step
5. Choose “One Zone-IA”
6. Leave Encryption set to “None” and click “Upload”

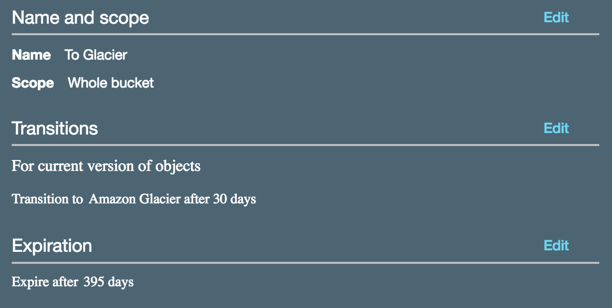
### Examine Properties

1. Click the checkbox next to Greece-3.jpeg
2. Examine the overview, properties and permissions from the dialog that appears.

**Question:** What is the Storage Class for Greece-3? How about the “Encryption”

## Create Lifecycle Policies

1. Click on the “Management” tab
2. Click “Lifecycle”
3. For the rule name, enter “To Glacier”
4. Leave the “Prefix” field blank and click “Next”
5. Check “Current version”
6. Click “+ Add transition” to the right of “For current versions of objects”
7. Choose “Transition to Amazon Glacier” under Object creation
8. Enter 30 in the “Days after creation” field and click “Next”
9. Check “Current version” and leave the default of 395 days to expire the current version.
10. Click “Next” to go to the Review step. It should be as follows:



1. Finally, press “Save”

## Turn on Object versioning

1. Click on the “Properties” tab
2. Click on the Versioning card
3. Choose “Enable versioning” and click Save

## Upload multiple versions of a file

1. Click on the “Overview” table
2. Click “Upload”
3. Choose “constitution.txt” from the documents folder and click “Upload”
4. In the action bar, choose “Show” versions.
5. Using your favorite text editor, add the text from the bill-of-rights.txt file to the end of the constitution.txt file
6. Upload the edited constitution.txt file

### Questions:

* What is the version ID for the previously uploaded Greece photos?
* How many versions exist for the constitution.txt file?

## Delete and Rename Files

1. Click “Hide” versions if they are showing
2. Click on Greece-1.jpeg
3. Choose “Delete” from the “More” menu
4. Click on “constitution.txt”
5. Choose “Rename” from the “More” menu
6. Change the name to “our-constitution.txt”
7. Click “Show” versions from the action bar

### Questions:

* How many versions of Greece-1.jpeg, constitution.txt and our-constitution.txt exist?
* Can you download a copy of Greece-1.jpeg?