

# **AWS**

## **Day2 Lab2**

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Mansoura Open Source

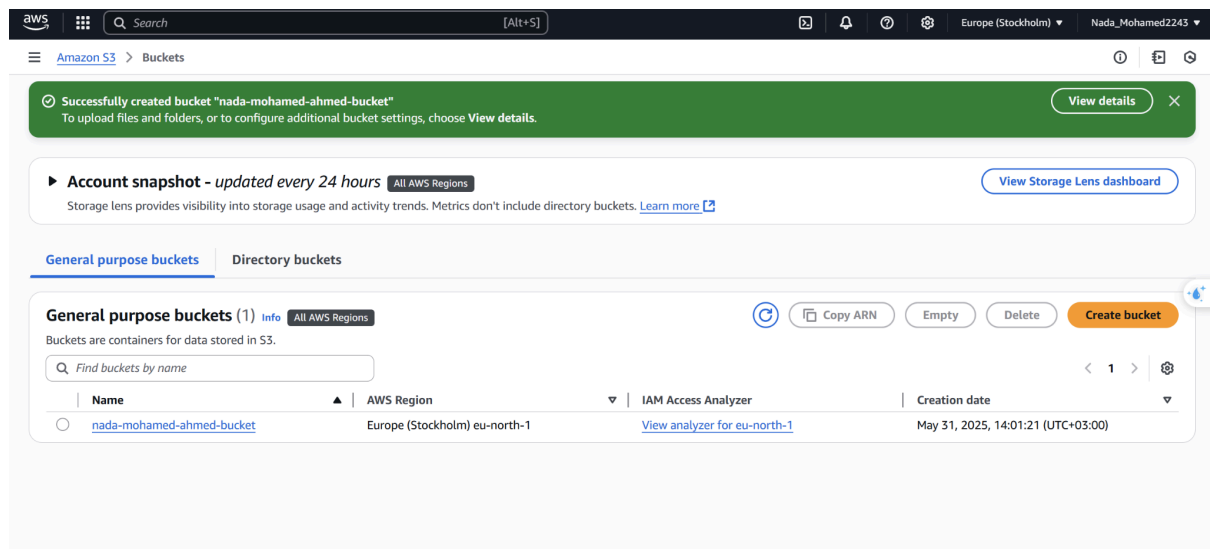
Date : 31/5/2025

## LAB 2:

Create a new bucket, upload an object (image), allow public access enable versioning and configure a lifecycle

### Step 1: Create a New Bucket

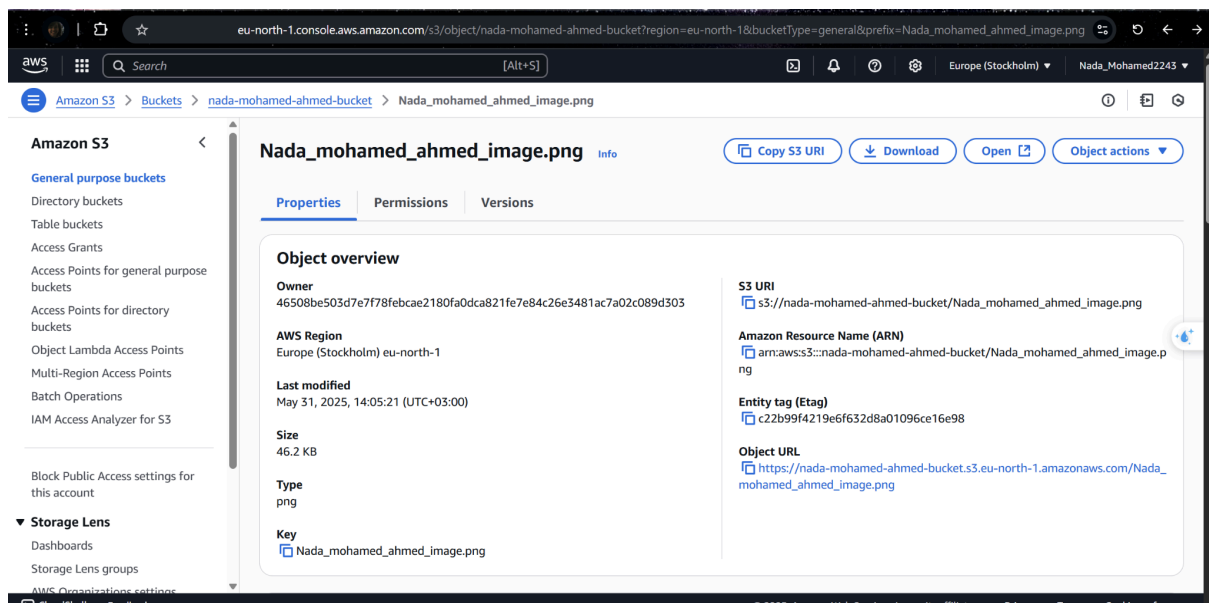
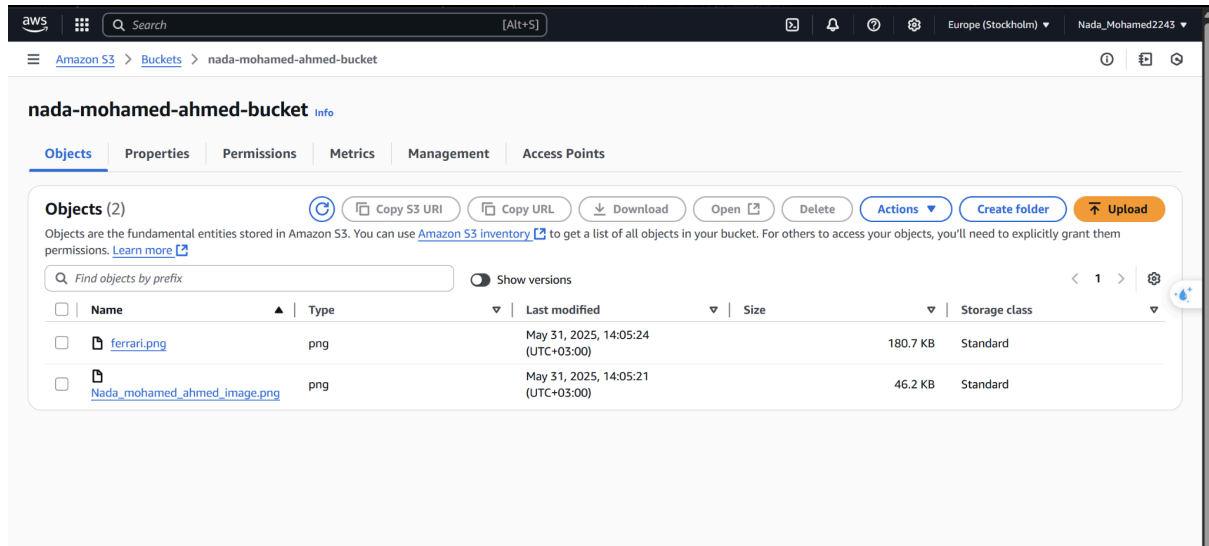
1. Search for **S3**
2. Click the **"Create bucket"** button.
3. Fill in the form:
  - **Bucket name:** **nada-mohamed-ahmed-bucket** (must be unique worldwide).
  - Keep the default for the rest.
4. **Uncheck** the box that says "Block all public access" (we'll allow public access).
5. **Bucket Versioning** : **Enable**
6. Click **"Create bucket"**.



### Step 2: Upload an Object (Image)

1. Click on our bucket name: **nada-mohamed-ahmed-bucket**

2. Click the **"Upload"** button.
3. Click **"Add files"** and select an image from your computer.
4. click **"Upload"**.

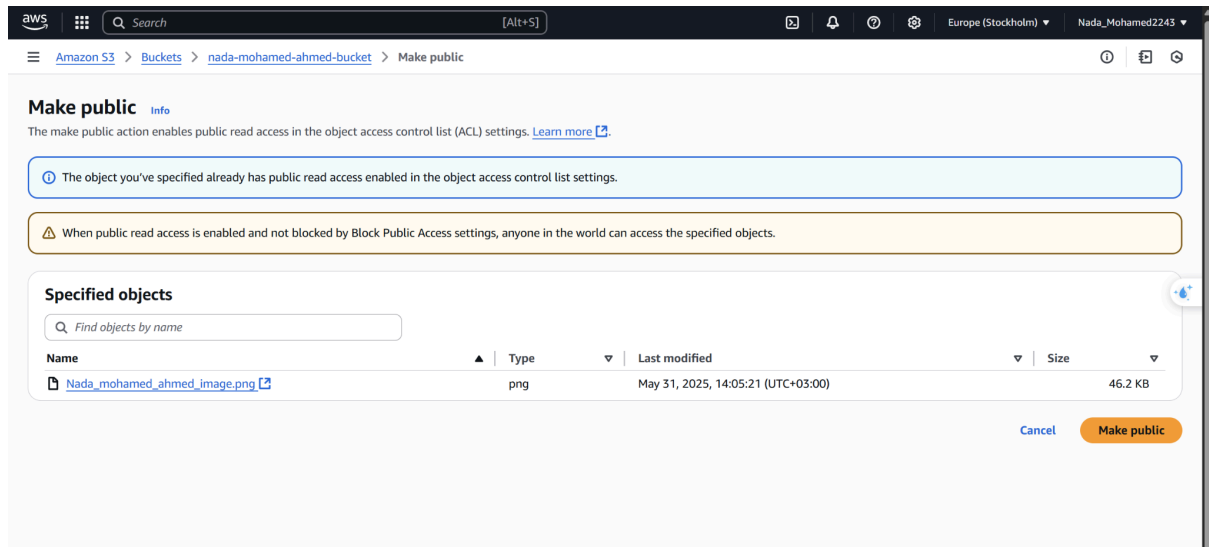


## Step 3: Allow Public Access to the Image

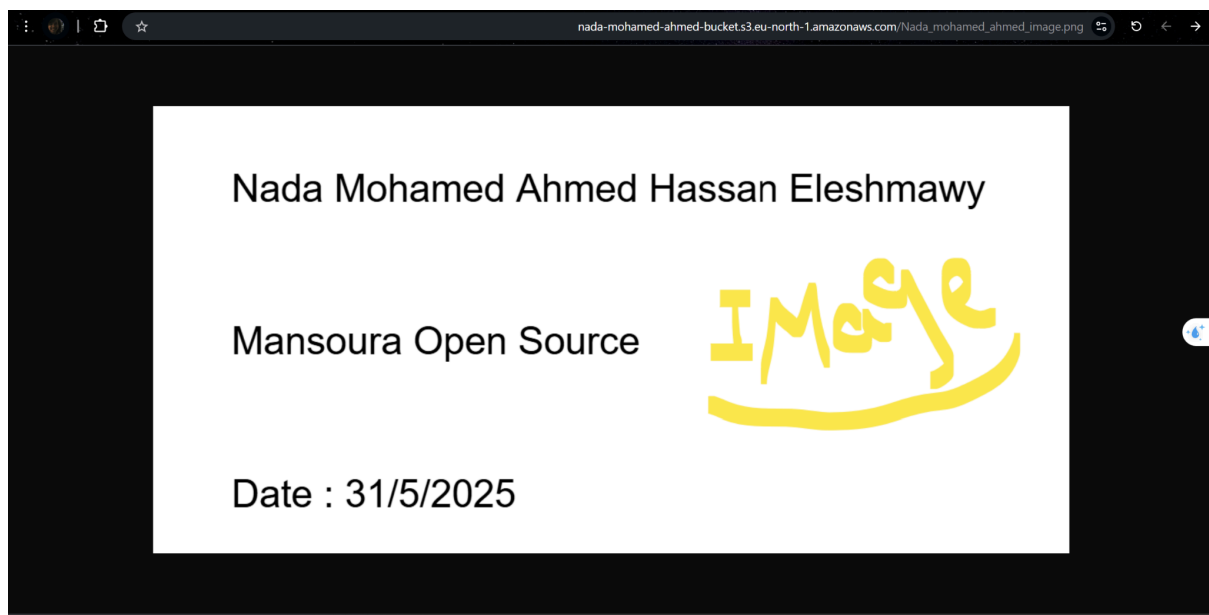
By default, files are private. To allow public access:

1. In our bucket, click on the image you uploaded.

2. Click the **"Object actions"** dropdown → choose **"Make public"**.
3. Confirm by clicking **"Make public"** again.



Now my image: (with a **public URL** we can share)

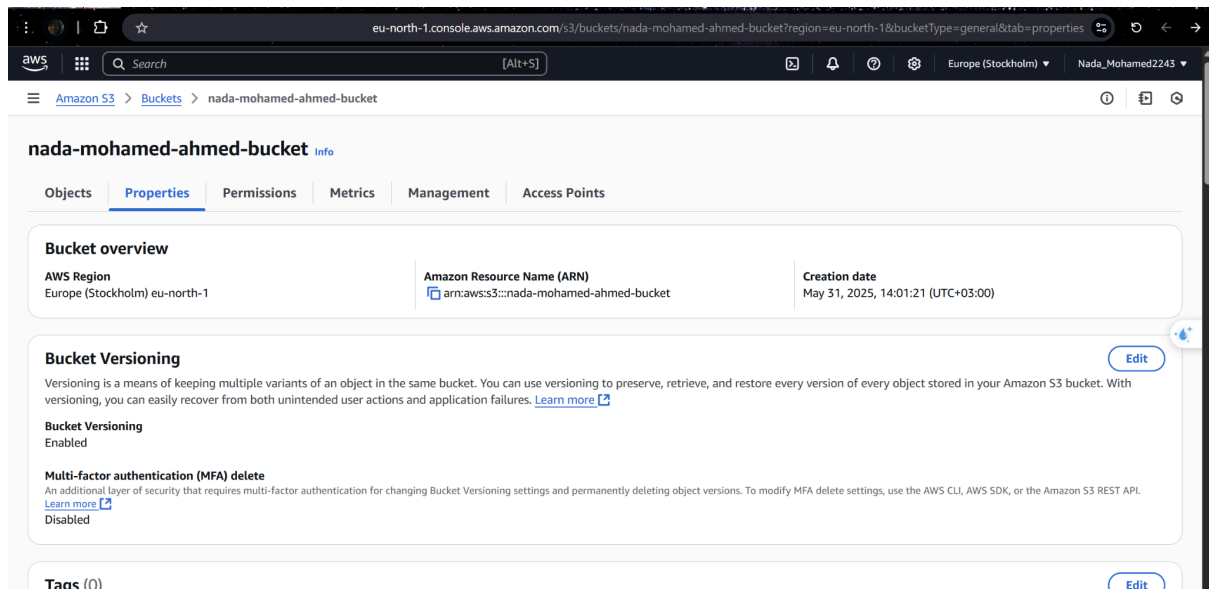


## Step 4: Ensure Enable Versioning (we make at step1 but to make sure)

This allows S3 to keep older versions of files when you upload a new one.

1. Go to our bucket: **nada-mohamed-ahmed-bucket**

2. Click on the **"Properties"** tab.
3. Scroll to **"Bucket Versioning"** and click **"Edit"**.
4. Select **"Enable"**, then click **"Save changes"**.



## Step 5: Configure a Lifecycle Rule

This helps manage files by automatically deleting or moving them (for Ex: we will make the delete after 60 days).

1. Go to the **"Management"** tab in our bucket.
2. Click **"Create lifecycle rule"**.
3. Rule name: **nada-mohamed-ahmed-delete-old-versions**
4. Choose:
  - "This rule applies to **all objects** in the bucket"
5. Scroll to **"Lifecycle rule actions"**:
  - Choose **"Permanently delete noncurrent versions of objects"**
  - Set **"Days after objects become previous versions"** to **60**

eu-north-1.console.aws.amazon.com/s3/management/nada-mohamed-ahmed-bucket/lifecycle/create?region=eu-north-1&bucketType=general

Amazon S3 > Buckets > nada-mohamed-ahmed-bucket > Lifecycle configuration > Create lifecycle rule

### Create lifecycle rule

**Lifecycle rule configuration**

**Lifecycle rule name**

nada-mohamed-ahmed-delete-old-versions

Up to 255 characters

Choose a rule scope

☐ Limit the scope of this rule using one or more filters

☒ Apply to all objects in the bucket

**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](#)

☒ 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.

☐ Transition current versions of objects between storage classes

This action will move current versions.

☐ Transition noncurrent versions of objects between storage classes

## 6. Click "Create rule"

aws

Search [Alt+S]

Europe (Stockholm) Nada\_Mohamed2243

Amazon S3 > Buckets > nada-mohamed-ahmed-bucket > Lifecycle configuration

**The rule "nada-mohamed-ahmed-delete-old-versions" has been successfully added and the lifecycle configuration has been updated**

It may take some time for the configuration to be updated. Refresh the lifecycle rules list if changes to the configuration aren't displayed.

**Lifecycle configuration**

To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.

**Default minimum object size for transitions**

All storage classes 128K

**Lifecycle rules (1)**

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

Find lifecycle rules by name

< 1 >

	Lifecycle rule name	Status	Scope	Current version ac...	Noncurrent versio...	Expired object del...	Incomplete multipa...
<input type="radio"/>	<a href="#">nada-mohamed-ahmed-delete-old-versions</a>	Enabled	Entire bucket	-	Permanently delete	-	-