Databases and Storage

TASK 1: step-by-step guide to store JSON data on an S3 bucket named 30119304-box-stream-bucket.

1. Go to the AWS (Amazon Web Services) Management Console and sign in to your AWS account.
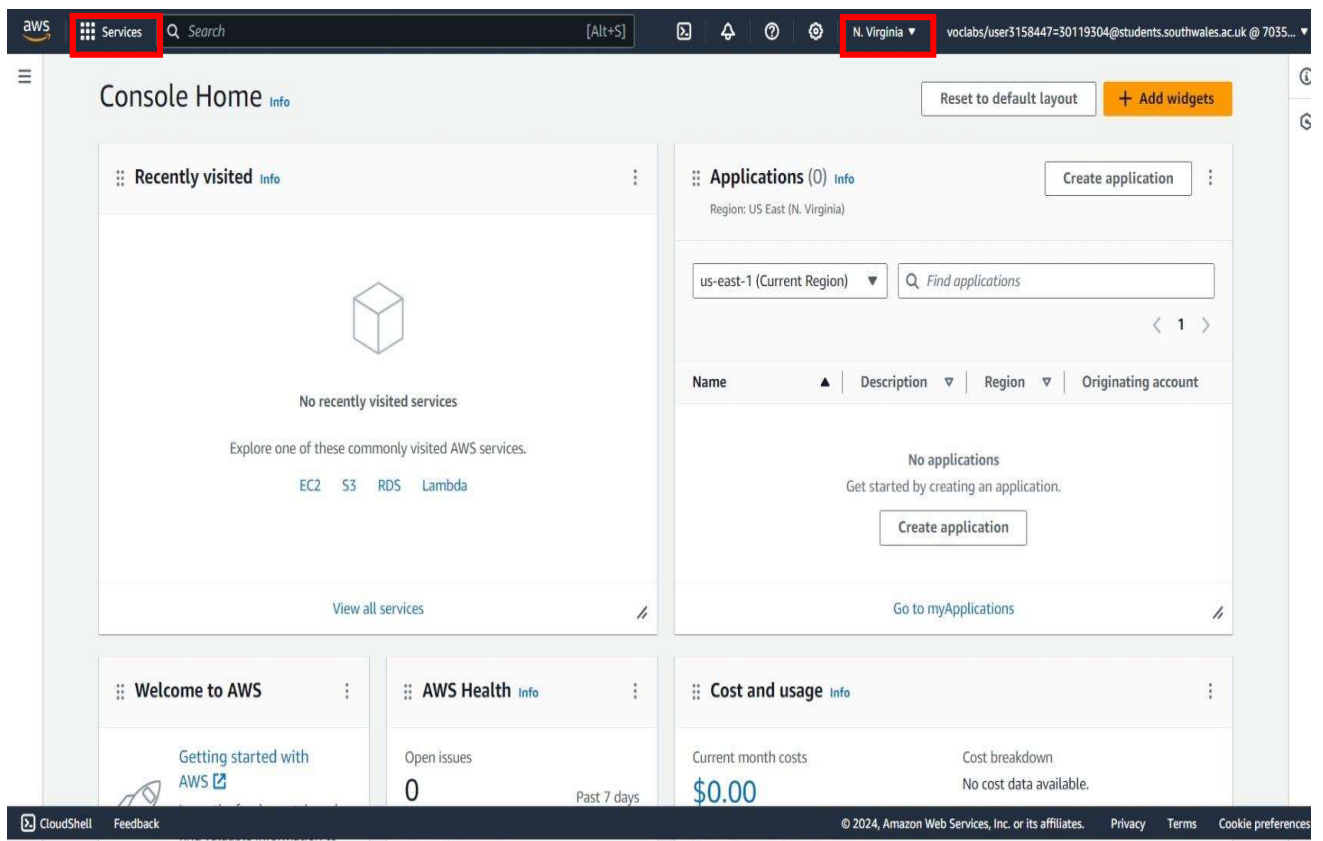

Fig 1: AWS (Amazon Web services) home page

2. In the search box to the right of **Services,** then select **"S3"** under the Storage section.
3. Begin creating an S3 Bucket.
   o Check that the **N. Virginia (us-east-1)** region's resources are currently being managed by your EC2 console. Checking the drop-down option to the left of your username at the top of the screen will allow you to confirm this. Before moving on to the following stage, select the N. Virginia region from the region selection if it is not already shown.
   o Choose the **Buckets** which is towards the top left of the console
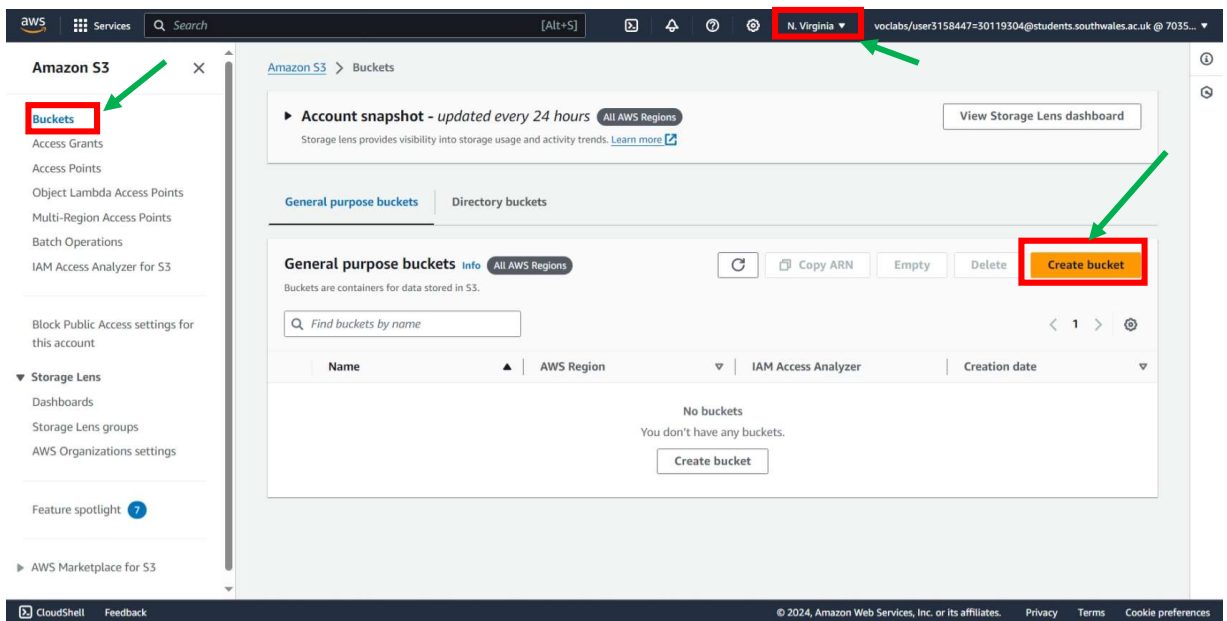
- o Next choose **Create bucket** button.

Fig 2: S3 Page

4. Configure the Bucket details in the "Create bucket" wizard, you will need to configure several settings:
   - o **Bucket name: 30119304-box-stream-bucket**

Note: Within a partition, bucket names must be unique for every AWS account in every AWS Region.

   - o Leave other settings as default and click on the **Create bucket** button.

Note: If you would like to maintain more than one version of an object in your bucket, enable versioning. For the backup and recovery of data, this can be helpful.

Fig 3: Create bucket page

Fig 4: Create bucket page

Fig 5: Create bucket page

5. Once the bucket is created, you will see it listed in the S3 dashboard.

Fig 6: S3 page

6. Now start to upload your JSON data
   o Click on your bucket named 30119304-box-stream-bucket to open it.
   o Then it is showing inside bucket it does not have any object
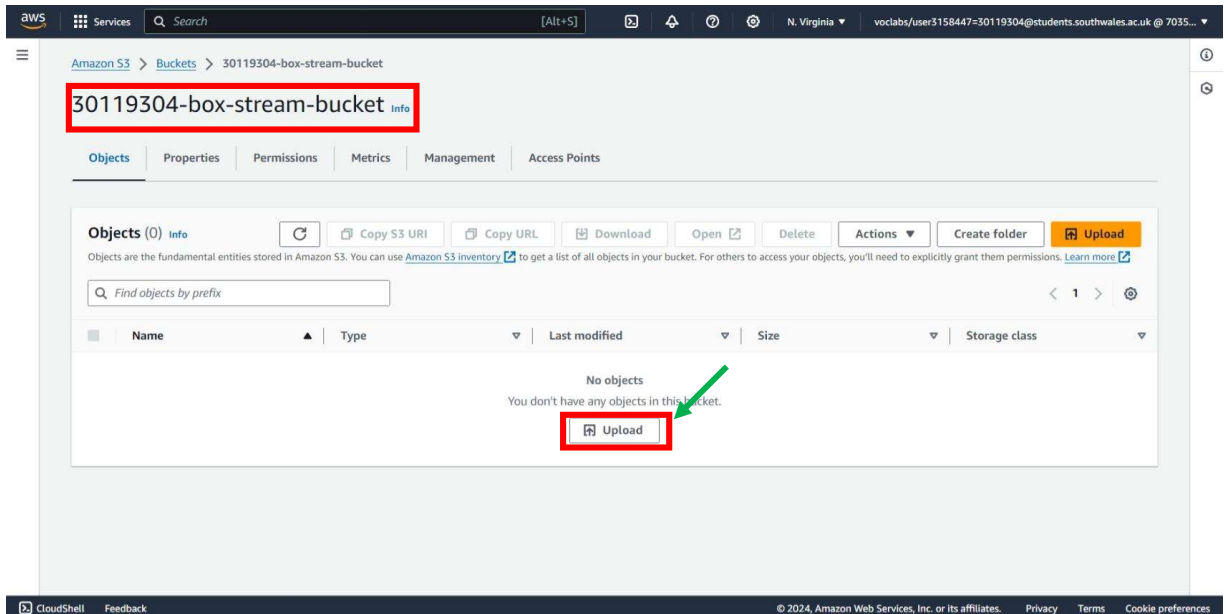   o Then click on the "**Upload button**"

Fig 7: 30119304-box-stream-bucket page

o In the upload dialog, click on the **"Add files"** button and select the JSON file(s) named as **coursework_data** to upload from your system.
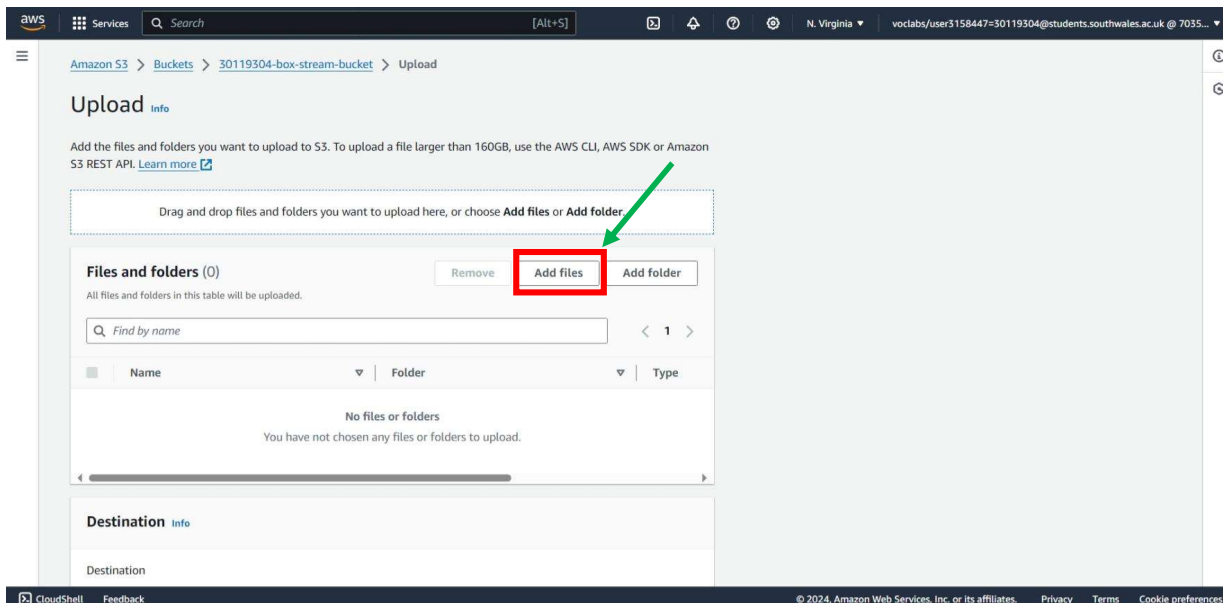

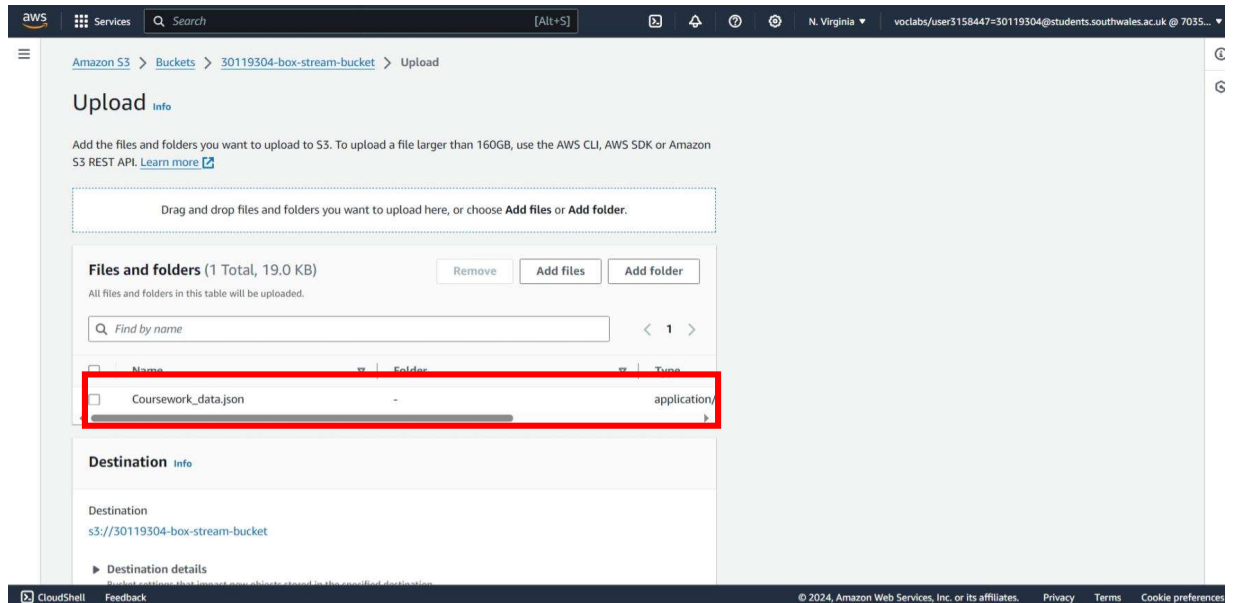**Fig 8:** 30119304-box-stream-bucket page

Fig 9: 30119304-box-stream-bucket page

- o Make sure that you selected the right file and then click on the **"Upload"** button to start uploading your JSON file to the S3 bucket.
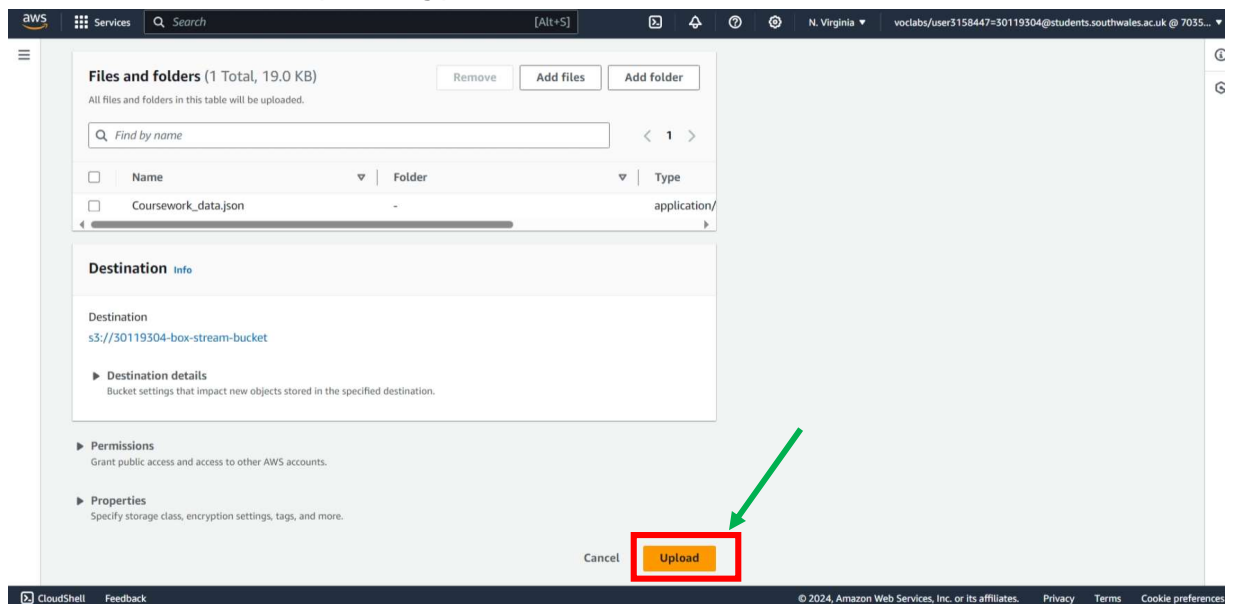

Fig 10: 30119304-box-stream-bucket page

- o Once the Upload is done you can see the uploaded successful notification on your screen and close.
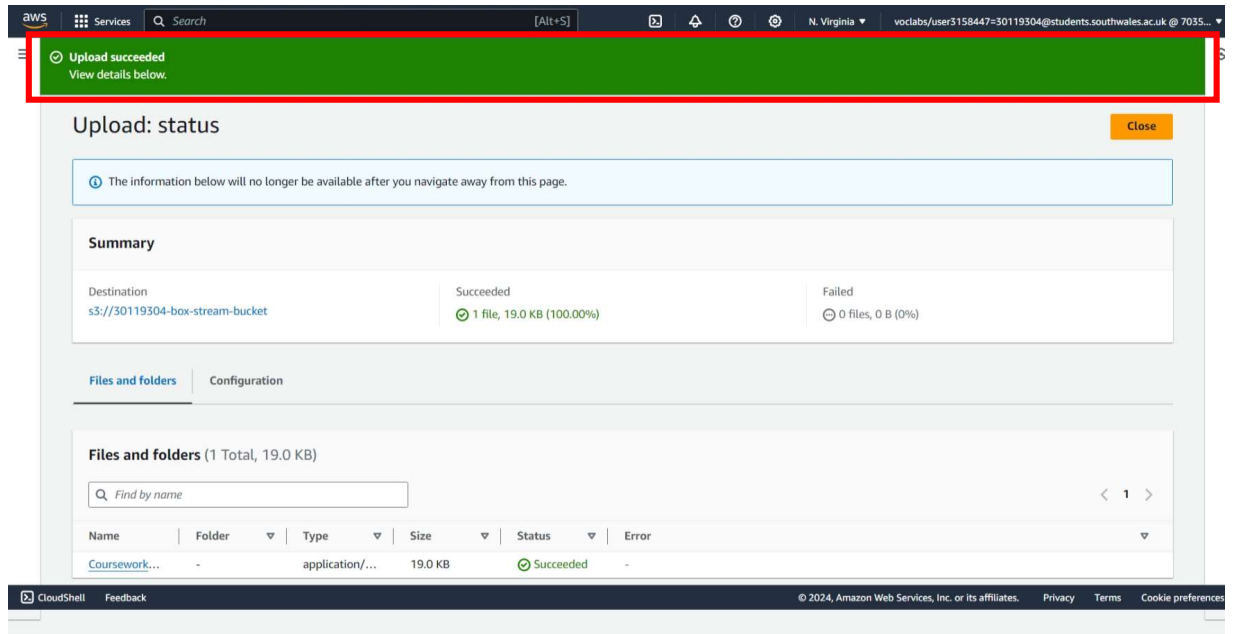
Fig 11: 30119304-box-stream-bucket page

○ Now you can open your **30119304-box-stream-bucket** and now you can see the data file in your bucket before it shows no object.
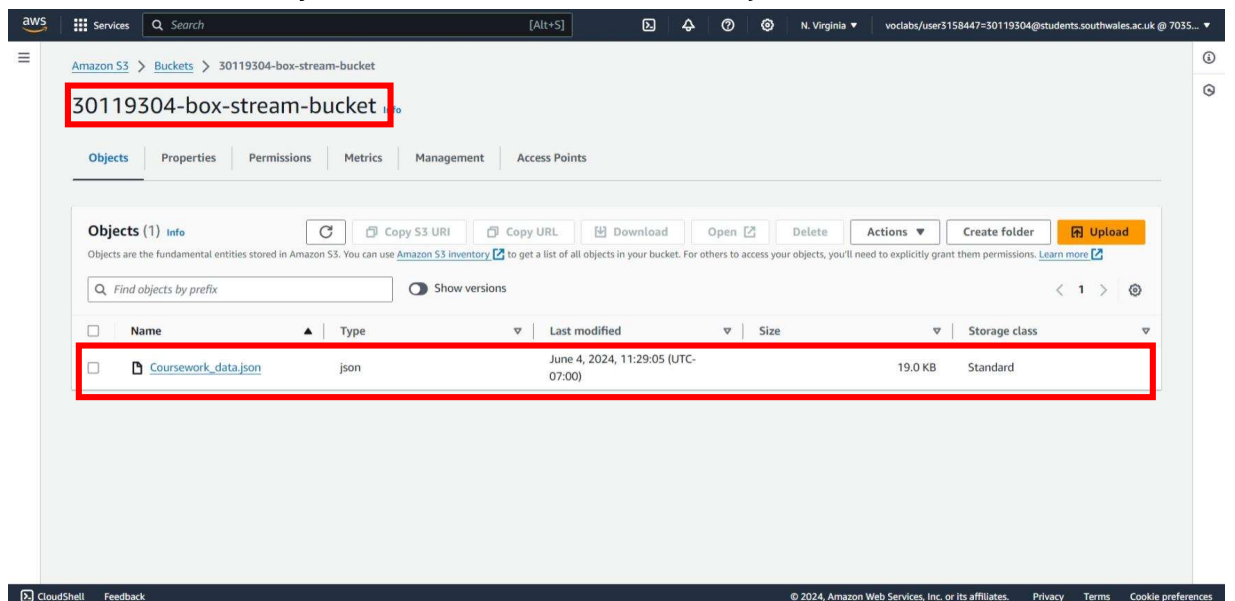

Fig 12: 30119304-box-stream-bucket page

Congratulations! You have successfully stored JSON data on an S3 bucket named 30119304-box-stream-bucket.