REPORT

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TASK 1: STORE AND RETRIEVE FILE WITH S3:

INTRODUCTION:

This POC is based on storing and retrieving the file using S3. Here we use the S3 bucket to store all the data and file as a hierarchy form. The file is retrieved by downloading the file from the S3.

SERVICE USED:

Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. Amazon S3 provides management features so that you can optimize, organize, and configure access to your data to meet your specific business, organizational, and compliance requirements.

STEPS TO BE FOLLOWED:

1. Open your AWS Management console
2. Search S3 in search bar and click on it.
3. Create bucket by setting up your configurations and the bucket is created
4. Click on to your bucket and upload all your files or images that is needed to be stored.
5. You can also drag and drop your files.
6. Now click on to upload for uploading your documents.
7. Now click on open.
8. The file can be viewed.
9. To retrieve the file click on download and the file is downloaded.
10. To delete the files and bucket click on delete.

SCREENSHOTS OF MY POC:
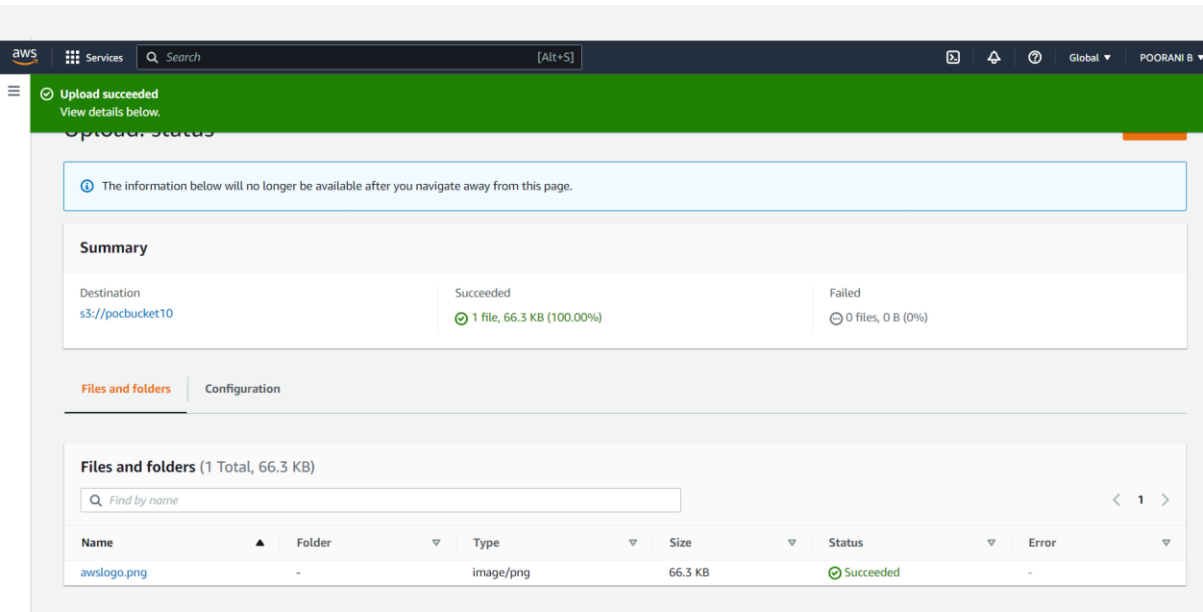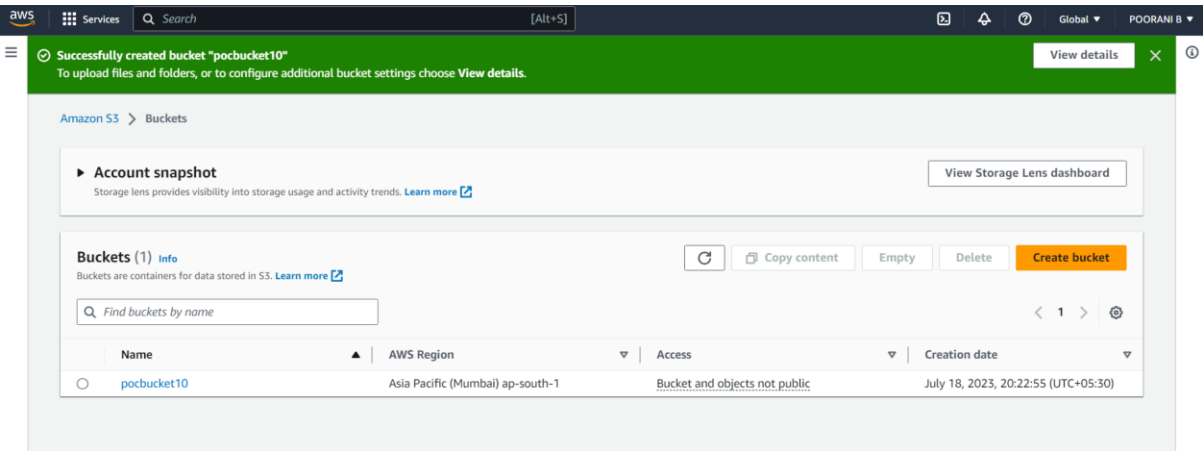
TASK 2: USERDATA IN EC2 INSTANCE:

INTRODUCTION:

If you are familiar with shell scripting, this is the easiest and most complete way to send instructions to an instance at launch. Adding these tasks at boot time adds to the amount of time it takes to boot the instance. You should allow a few minutes of extra time for the tasks to complete before you test that the user script has finished successfully. User data shell scripts must start with the #! characters and the path to the interpreter you want to read the script (commonly **/bin/bash)**.

SERVICE USED:

Amazon Elastic Compute Cloud (Amazon EC2) offers the broadest and deepest compute platform, with over 600 instances and choice of the latest processor, storage, networking, operating system, and purchase model to help you best match the needs of your workload.

STEPS TO BE FOLLOWED:

1. Create a new ec2 instance along with a key pair.
2. Type your user data on your notepad and paste on your user data space.
3. Launch it.
4. Click on to the instance id shown above it will navigate to your instance page.
5. Click on the instance and click on the "Public IPv4 address" that is pop down on clicking the instance.
6. Then copy the IP and paste in a new tab and the output is seen.
7. Then delete the ec2 instances.

SCREENSHOTS OF MY POC:

Hello World from ip-172-31-1-203.ap-northeast-1.compute.internal
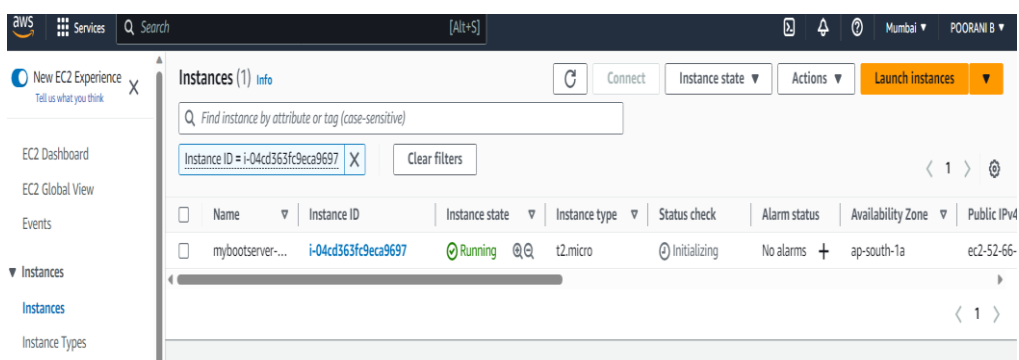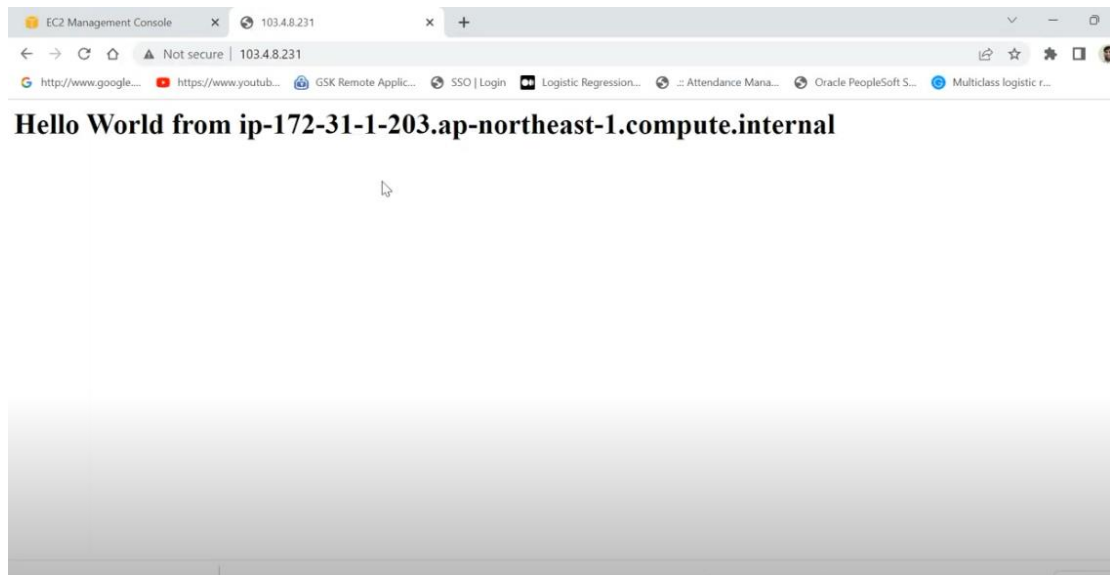
TASK 3: CREATING A STATIC WEBSITE USING S3:

INTRODUCTION:

This POC is based on creating a static website using Amazon S3. S3 is widely used for creating and hosting websites. Here we use S3 by deploying an application and upload various objects in the bucket.

SERVICE USED:

Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. Amazon S3 provides management features so that you can optimize, organize, and configure access to your data to meet your specific business, organizational, and compliance requirements.

STEPS TO BE FOLLOWED:

1. Open your AWS Management console
2. Search S3 in search bar and click on it.
3. Create bucket by setting up your configurations and the bucket is created
4. Click on to your bucket and upload all your files or images that is needed to be stored.
5. You can also drag and drop your files.
6. Now click on to upload for uploading your documents.
7. Edit your policy.
8. Edit your public accessibility mode.
9. Go to properties in the object of your bucket.
10. Copy the object URL and open it in the new tab.
11. The website is finally hosted.
12. To delete the files and bucket click on delete.

SCREENSHOTS OF MY POC: