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SRN: PES2UG19CS451

Semester:6
Section: G

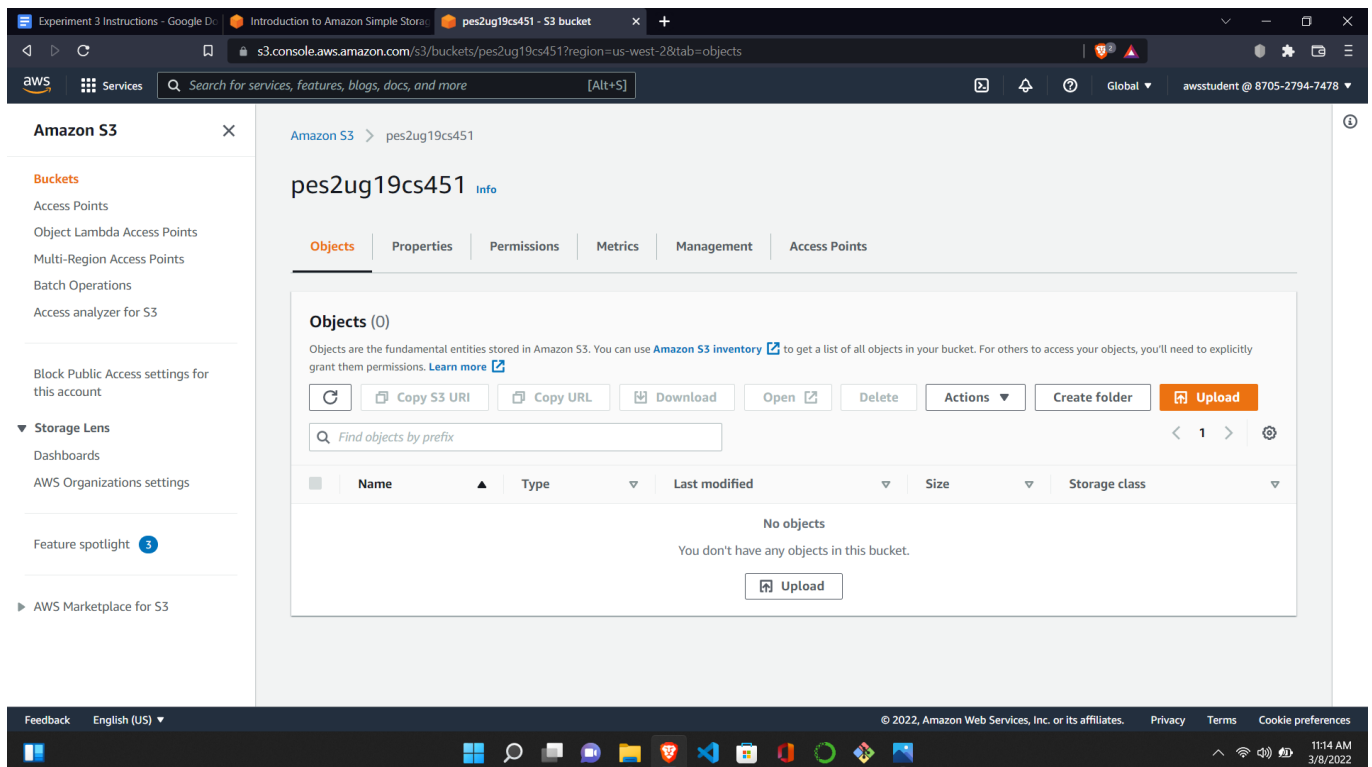
Subject: Cloud Computing

Lab 3

Deliverables:

The following screenshots are to be submitted:

- a. 1a.png: Showing S3 bucket created. The name of the buckets should be: <Your SRN> Eg: pes1201900001.



b. 2a.png: Showing the file upload successfully (Include Details).

The screenshot shows the AWS S3 Management Console interface. At the top, a green banner indicates "Upload succeeded" with a link to "View details below." Below this, the "Upload status" section contains a warning box stating: "The information below will no longer be available after you navigate away from this page." The "Summary" section displays the destination "s3://pes2ug19cs451", the status "Succeeded" with a green checkmark, and details "1 file, 84.0 KB (100.00%)". It also shows "Failed" with a grey circle and "0 files, 0 B (0%)". The "Files and folders" tab is selected, showing a list of "Files and folders (1 Total, 84.0 KB)". The list contains one item: "new-report.png" in the root folder, with a size of 84.0 KB and a status of "Succeeded". The bottom of the screen shows the Windows taskbar with the time 11:18 AM on 3/8/2022.

Name	Folder	Type	Size	Status	Error
new-report.png	-	image/png	84.0 KB	Succeeded	-

c. 3a.png: Showing the new-report.png successfully displayed on the browser tab.

The screenshot shows a web browser window with the address bar displaying "pes2ug19cs451.s3.us-west-2.amazonaws.com/new-report.png". The browser is displaying a Microsoft Excel spreadsheet titled "sample-report". The spreadsheet has columns labeled A through H. The data includes a list of AWS S3 operations and their associated usage values. The bottom of the screen shows the Windows taskbar with the time 11:25 AM on 3/8/2022.

Service	Operation	UsageType	Resource	StartTime	EndTime	UsageValue
AmazonS3	HeadBucket	USW2-C3DataTransfer-Out-Bytes	lab-test-bucket-77	10/31/2020 0:00	12/31/2020 11:59	15309
AmazonS3	PutObject	USW2-C3DataTransfer-In-Bytes	admin-test-77	10/31/2020 0:00	12/31/2020 11:59	19032
AmazonS3	HeadBucket	USW2-Requests-Tier2	admin-test-77	10/31/2020 0:00	12/31/2020 11:59	128
AmazonS3	PutObjectForReplication	USW1-Request-SIA-Tier1	mybucket-98765	10/31/2020 0:00	12/31/2020 11:59	56888
AmazonS3	GetObjectForReplication	USW1-USW2-AWS-In-Bytes	mybucket-98766	10/31/2020 0:00	12/31/2020 11:59	254587
AmazonS3	GetObjectForReplication	USW2-C3DataTransfer-Out-Bytes	mybucket-98767	10/31/2020 0:00	12/31/2020 11:59	235
AmazonS3	HeadBucket	USW2-C3DataTransfer-In-Bytes	mybucket-98768	10/31/2020 0:00	12/31/2020 11:59	25589
AmazonS3	PutObject	USW2-Requests-Tier2	mybucket-98769	10/31/2020 0:00	12/31/2020 11:59	2348
AmazonS3	PutObjectForReplication	USW1-Request-SIA-Tier1	mybucket-98770	10/31/2020 0:00	12/31/2020 11:59	15309
AmazonS3	GetObjectForReplication	USW1-USW2-AWS-In-Bytes	mybucket-98771	10/31/2020 0:00	12/31/2020 11:59	19032
AmazonS3	GetObjectForReplication	USW2-C3DataTransfer-Out-Bytes	lab-example-bucket	10/31/2020 0:00	12/31/2020 11:59	128
AmazonS3	HeadBucket	USW2-C3DataTransfer-In-Bytes	lab-example-bucket	10/31/2020 0:00	12/31/2020 11:59	56888
AmazonS3	PutObject	USW2-Requests-Tier2	lab-example-bucket	10/31/2020 0:00	12/31/2020 11:59	254587
AmazonS3	PutObjectForReplication	USW1-Request-SIA-Tier1	lab-example-bucket	10/31/2020 0:00	12/31/2020 11:59	235
AmazonS3	GetObjectForReplication	USW1-USW2-AWS-In-Bytes	lab-example-bucket	10/31/2020 0:00	12/31/2020 11:59	25589

d. 4a.png: Showing all commands executed on the Bastion host including the upload failed error.

The screenshot displays the AWS Systems Manager console interface. At the top, there are tabs for 'Experiment 3 Instructions', 'Introduction to Amazon S3', 'S3 Management Console', and the active 'AWS Systems Manager - Session' tab. Below the tabs, the session details are shown: 'Session ID: awsstudent-02169b13995d5afb0' and 'Instance ID: i-093ae36d6f0bbcbbe'. A 'Terminate' button is visible on the right. The main area is a terminal window with the following content:

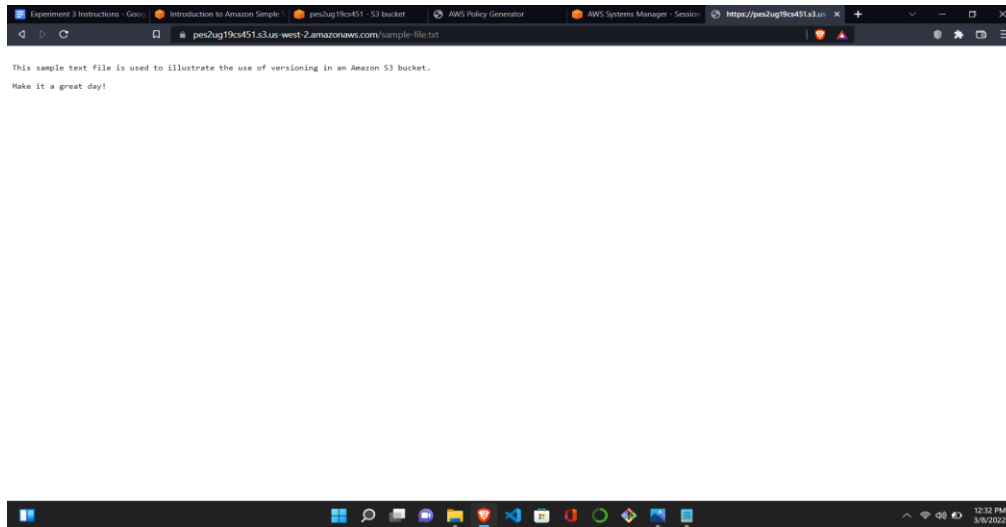
```
sh-4.2$ cd ~
sh-4.2$ pwd
/home/ssm-user
sh-4.2$ aws s3 ls
2022-03-08 05:44:12 pes2ug19cs451
2022-03-08 05:38:25 ql-cf-templates-1646717903-c4f486ace5138359-us-west-2
2022-03-08 05:38:28 qltrail-lab-2543-1646717906
sh-4.2$ aws s3 ls s3://pes2ug19cs451
2022-03-08 05:47:29      86065 new-report.png
sh-4.2$
sh-4.2$ cd reports
sh-4.2$ ls
dolphins.jpg files.zip report-test1.txt report-test2.txt report-test3.txt whale.jpg
sh-4.2$ aws s3 cp report-test1.txt s3://pes2ug19cs451
upload failed: ./report-test1.txt to s3://pes2ug19cs451/report-test1.txt An error occurred (AccessDenied) when calling the PutObject operation: Access Denied
sh-4.2$
```

The terminal output shows the user navigating to the home directory, listing S3 buckets, and then listing files in the 'reports' directory. The final command attempts to upload 'report-test1.txt' to an S3 bucket, which results in an 'Access Denied' error.

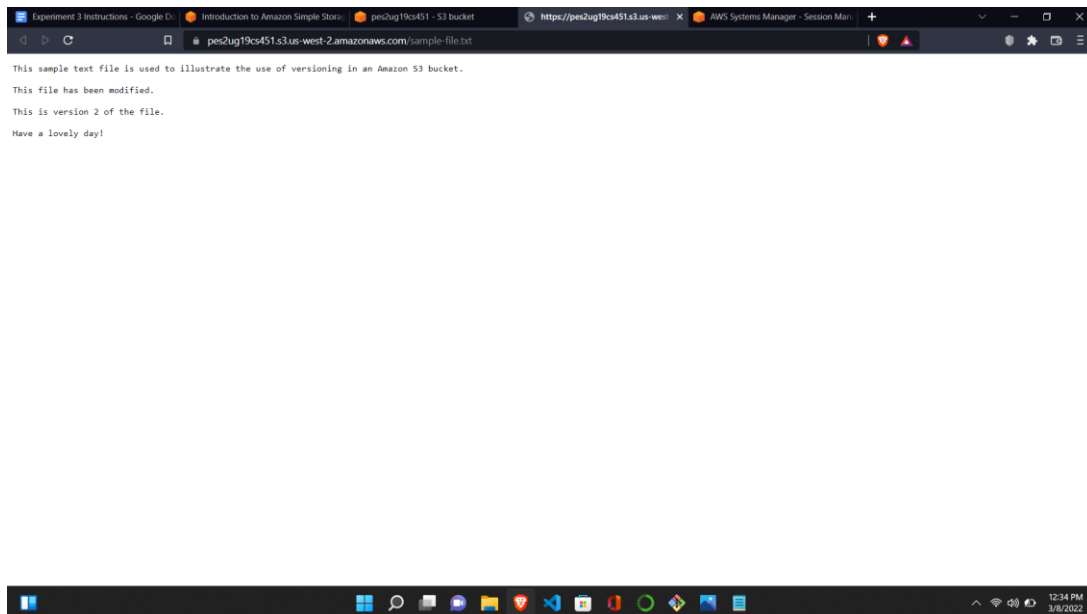
e. 5a.png: Showing all commands executed on the Bastion host including successful retrieval (GetObject) and upload (PutObject).

[illegible]

f. 5b.png: Showing the sample-file.txt displayed on the browser tab



g. 6a.png: Showing the new contents of the sample-file.txt on the browser tab.



h. 6b.png: Showing the objects tab for the bucket created with the *Show versions* toggle on.

The screenshot shows the Amazon S3 console interface. The left sidebar contains navigation options: Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Block Public Access settings for this account, Storage Lens (Dashboards, AWS Organizations settings), Feature spotlight, and AWS Marketplace for S3. The main content area displays the bucket 'pes2ug19cs451' with a 'Publicly accessible' status. The 'Objects' tab is selected, showing a list of 4 objects. The 'Show versions' toggle is turned on. The objects listed are:

<input type="checkbox"/>	Name	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	new-report.png	png	null	March 8, 2022, 11:17:29 (UTC+05:30)	84.0 KB	Standard
<input type="checkbox"/>	report-test1.txt	txt	null	March 8, 2022, 12:19:51 (UTC+05:30)	31.0 B	Standard
<input type="checkbox"/>	sample-file.txt	txt	CmzcGIX43pIFWZYd7f8KE9xX272yTBox	March 8, 2022, 12:33:49 (UTC+05:30)	171.0 B	Standard
<input type="checkbox"/>	sample-file.txt	txt	null	March 8, 2022, 12:15:37 (UTC+05:30)	113.0 B	Standard

The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 12:36 PM on 3/8/2022.