

Experiment 3 - Introduction to Amazon Simple Storage Service (S3)

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Section – B

1a)

The screenshot shows the Amazon S3 console interface. A green notification bar at the top states: "Successfully created bucket 'pes2ug19cs076'. To upload files and folders, or to configure additional bucket settings choose View details." Below this, the "Account snapshot" section is visible, showing metrics for the account. The "Buckets (3)" section lists three buckets with their respective details.

Name	AWS Region	Access	Creation date
pes2ug19cs076	US West (Oregon) us-west-2	Bucket and objects not public	March 10, 2022, 04:55:01 (UTC+05:30)
ql-cf-templates-1646868050-73bb435f966619bd-us-west-2	US West (Oregon) us-west-2	Objects can be public	March 10, 2022, 04:50:51 (UTC+05:30)
qltrail-lab-2543-1646868053	US East (N. Virginia) us-east-1	Objects can be public	March 10, 2022, 04:50:54 (UTC+05:30)

2a)

The screenshot shows the "Upload: status" dialog box in the Amazon S3 console. It displays the upload progress for a file named "new-report.png". The summary section shows that the upload was successful, with 1 file of 84.0 KB uploaded (100.00%). The "Files and folders" section lists the uploaded file with its details.

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

3a)

pes2ug19cs076 - S3 bucket new-report.png (1045x602) +

6.s3.us-west-2.amazonaws.com/new-report.png

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	GetObjectFor Replication	USW1-USW2-AWS-In-Bytes	mybucket-98766	10/31/2020 0:00	12/31/2020 11:59	254587
AmazonS3	GetObjectFor Replication	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	GetObjectFor Replication	USW1-USW2-AWS-In-Bytes	mybucket-98771	10/31/2020 0:00	12/31/2020 11:59	19032
AmazonS3	GetObjectFor Replication	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	GetObjectFor Replication	USW1-USW2-AWS-In-Bytes	lab-example-bucket	10/31/2020 0:00	12/31/2020 11:59	25589

sample-report

4a)

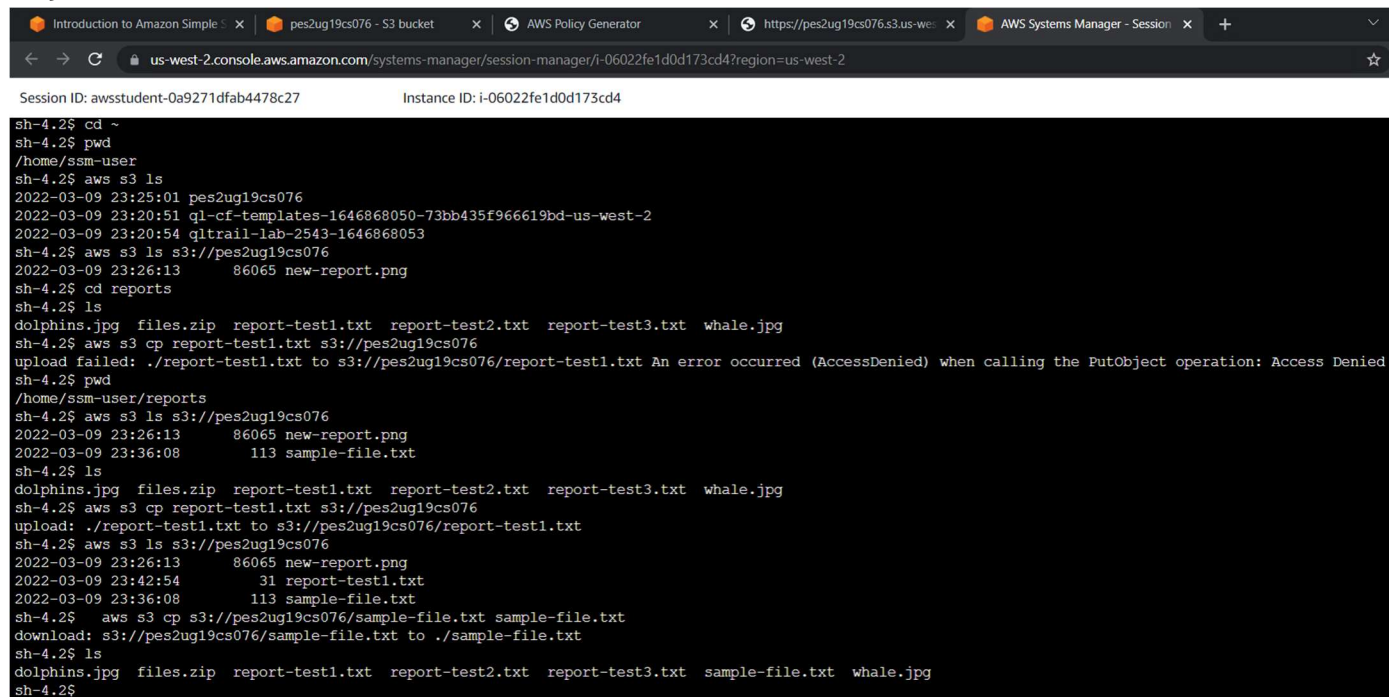
```

Introduction to Amazon Simple ... x   Connect to instance | EC2 Manag... x   AWS Systems Manager - Session x   +
us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-06022fe1d0d173cd4?region=us-west-2
Session ID: awsstudent-0a9271dfab4478c27   Instance ID: i-06022fe1d0d173cd4   Terminate

sh-4.2$ cd ~
sh-4.2$ pwd
/home/ssm-user
sh-4.2$ aws s3 ls
2022-03-09 23:25:01 pes2ug19cs076
2022-03-09 23:20:51 q1-cf-templates-1646868050-73bb435f966619bd-us-west-2
2022-03-09 23:20:54 qltrail-lab-2543-1646868053
sh-4.2$ aws s3 ls s3://pes2ug19cs076
2022-03-09 23:26:13 86065 new-report.png
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://pes2ug19cs076
upload failed: ./report-test1.txt to s3://pes2ug19cs076/report-test1.txt An error occurred (AccessDenied) when calling the PutObject operation: Access Denied
sh-4.2$

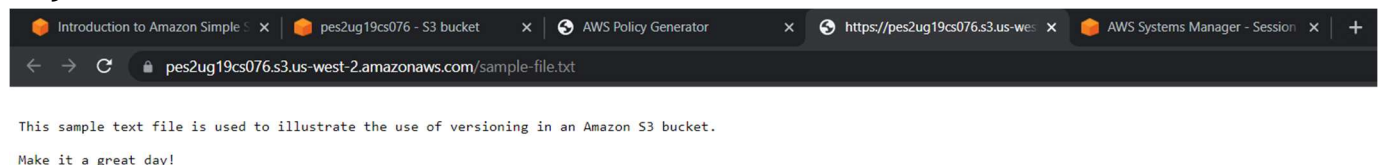
```

5a)

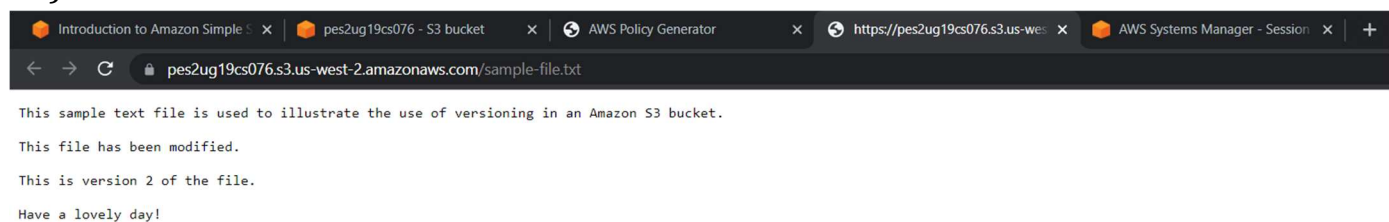


```
sh-4.2$ cd ~
sh-4.2$ pwd
/home/ssm-user
sh-4.2$ aws s3 ls
2022-03-09 23:25:01 pes2ug19cs076
2022-03-09 23:20:51 ql-cf-templates-1646868050-73bb435f966619bd-us-west-2
2022-03-09 23:20:54 qltrail-lab-2543-1646868053
sh-4.2$ aws s3 ls s3://pes2ug19cs076
2022-03-09 23:26:13      86065 new-report.png
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://pes2ug19cs076
upload failed: ./report-test1.txt to s3://pes2ug19cs076/report-test1.txt An error occurred (AccessDenied) when calling the PutObject operation: Access Denied
sh-4.2$ pwd
/home/ssm-user/reports
sh-4.2$ aws s3 ls s3://pes2ug19cs076
2022-03-09 23:26:13      86065 new-report.png
2022-03-09 23:36:08      113 sample-file.txt
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://pes2ug19cs076
upload: ./report-test1.txt to s3://pes2ug19cs076/report-test1.txt
sh-4.2$ aws s3 ls s3://pes2ug19cs076
2022-03-09 23:26:13      86065 new-report.png
2022-03-09 23:42:54       31 report-test1.txt
2022-03-09 23:36:08      113 sample-file.txt
sh-4.2$ aws s3 cp s3://pes2ug19cs076/sample-file.txt sample-file.txt
download: s3://pes2ug19cs076/sample-file.txt to ./sample-file.txt
sh-4.2$ ls
dolphins.jpg files.zip report-test1.txt report-test2.txt report-test3.txt sample-file.txt whale.jpg
sh-4.2$
```

5b)



6a)



6b)

Amazon S3 > pes2ug19cs076

pes2ug19cs076 [Info](#)

Publicly accessible

Objects | Properties | Permissions | Metrics | Management | Access Points

Objects (4)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

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<input type="checkbox"/>	Name	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	new-report.png	png	null	March 10, 2022, 04:56:13 (UTC+05:30)	84.0 KB	Standard
<input type="checkbox"/>	report-test1.txt	txt	null	March 10, 2022, 05:12:54 (UTC+05:30)	31.0 B	Standard
<input type="checkbox"/>	sample-file.txt	txt	WUFTkZIX76_BJF2OXgKy.rC6hILN4sCY	March 10, 2022, 05:21:16 (UTC+05:30)	171.0 B	Standard
<input type="checkbox"/>	sample-file.txt	txt	null	March 10, 2022, 05:06:08 (UTC+05:30)	113.0 B	Standard