

Activity 8: Work with Amazon S3

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IFT 562: Cloud Security & Operations for IT

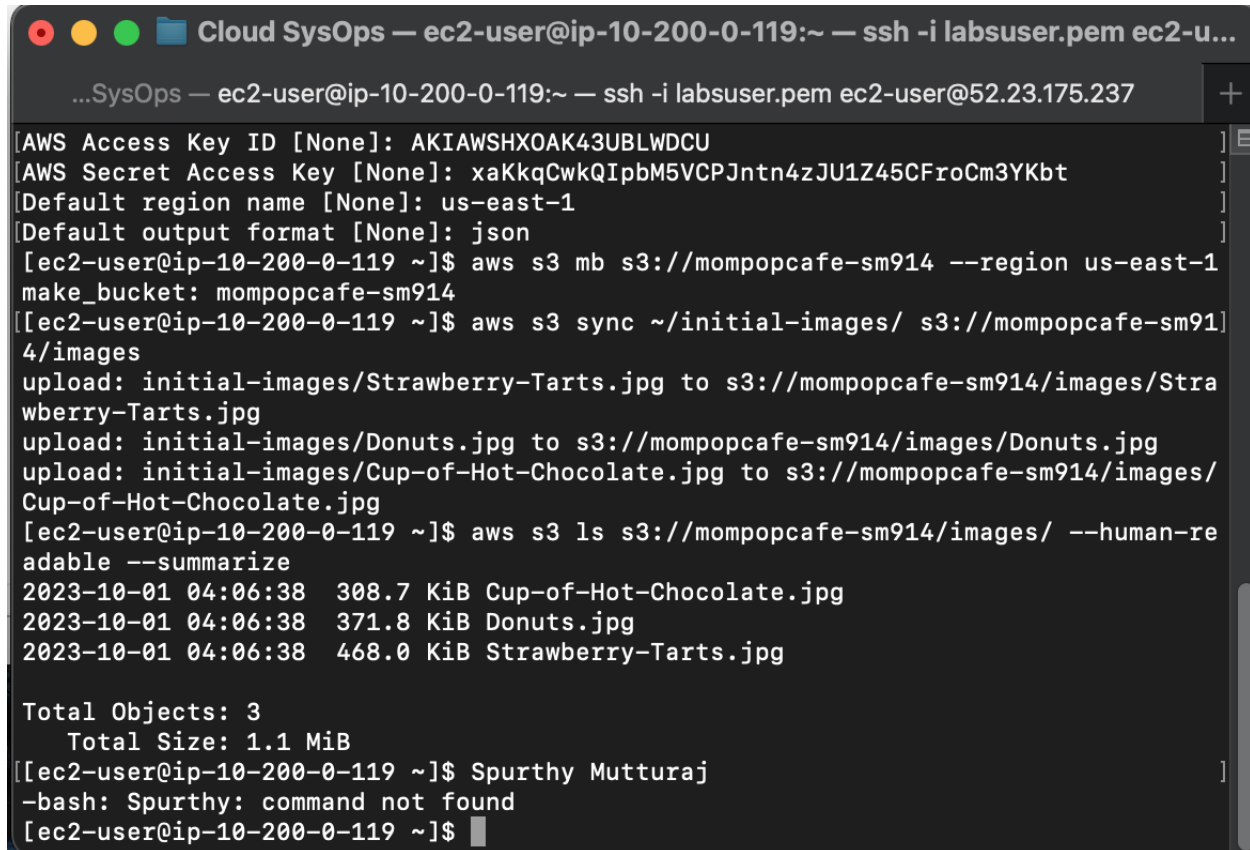
Daniel Wells

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Figure 1

A screenshot showing the aws s3 ls command.



```
Cloud SysOps — ec2-user@ip-10-200-0-119:~ — ssh -i labsuser.pem ec2-u...
...SysOps — ec2-user@ip-10-200-0-119:~ — ssh -i labsuser.pem ec2-user@52.23.175.237
[AWS Access Key ID [None]: AKIAWSHXOAK43UBLWDCU]
[AWS Secret Access Key [None]: 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]
[Default region name [None]: us-east-1]
[Default output format [None]: json]
[ec2-user@ip-10-200-0-119 ~]$ aws s3 mb s3://mompopcafe-sm914 --region us-east-1
make_bucket: mompopcafe-sm914
[ec2-user@ip-10-200-0-119 ~]$ aws s3 sync ~/initial-images/ s3://mompopcafe-sm914/images
upload: initial-images/Strawberry-Tarts.jpg to s3://mompopcafe-sm914/images/Strawberry-Tarts.jpg
upload: initial-images/Donuts.jpg to s3://mompopcafe-sm914/images/Donuts.jpg
upload: initial-images/Cup-of-Hot-Chocolate.jpg to s3://mompopcafe-sm914/images/Cup-of-Hot-Chocolate.jpg
[ec2-user@ip-10-200-0-119 ~]$ aws s3 ls s3://mompopcafe-sm914/images/ --human-readable --summarize
2023-10-01 04:06:38 308.7 KiB Cup-of-Hot-Chocolate.jpg
2023-10-01 04:06:38 371.8 KiB Donuts.jpg
2023-10-01 04:06:38 468.0 KiB Strawberry-Tarts.jpg

Total Objects: 3
Total Size: 1.1 MiB
[ec2-user@ip-10-200-0-119 ~]$ Spurthy Mutturaj
-bash: Spurthy: command not found
[ec2-user@ip-10-200-0-119 ~]$
```

Figure 2

Screenshot of error message related to bucket permissions.

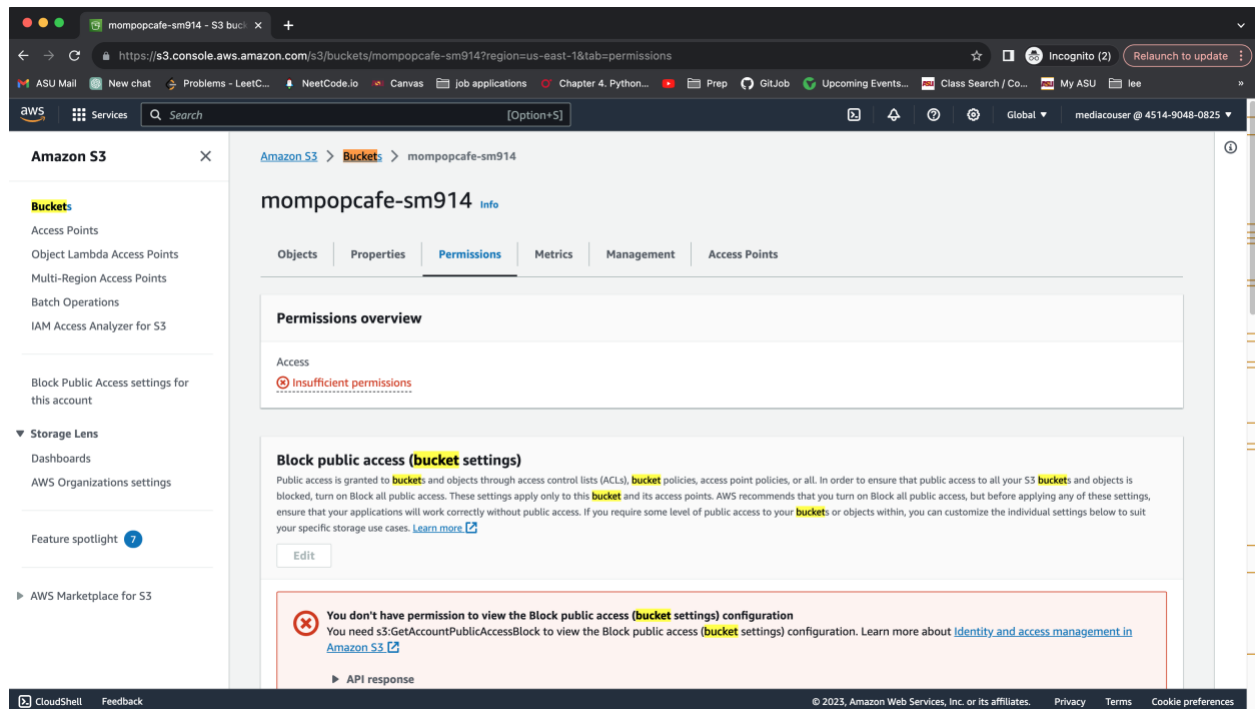


Figure 3

Screenshot of received e-mail.

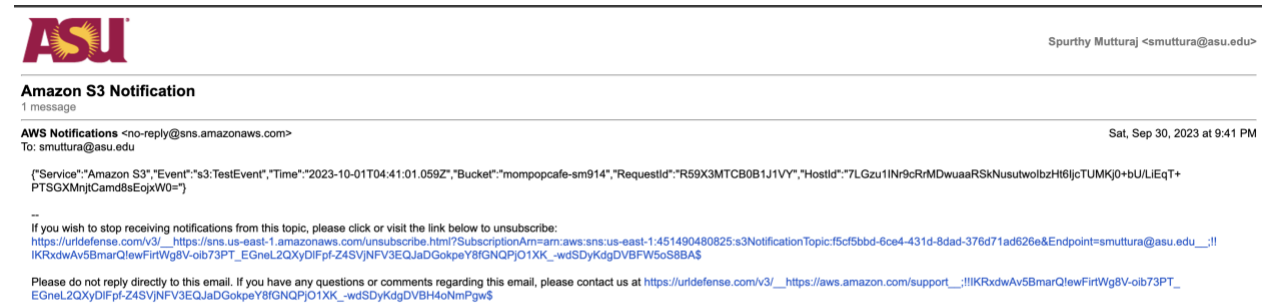
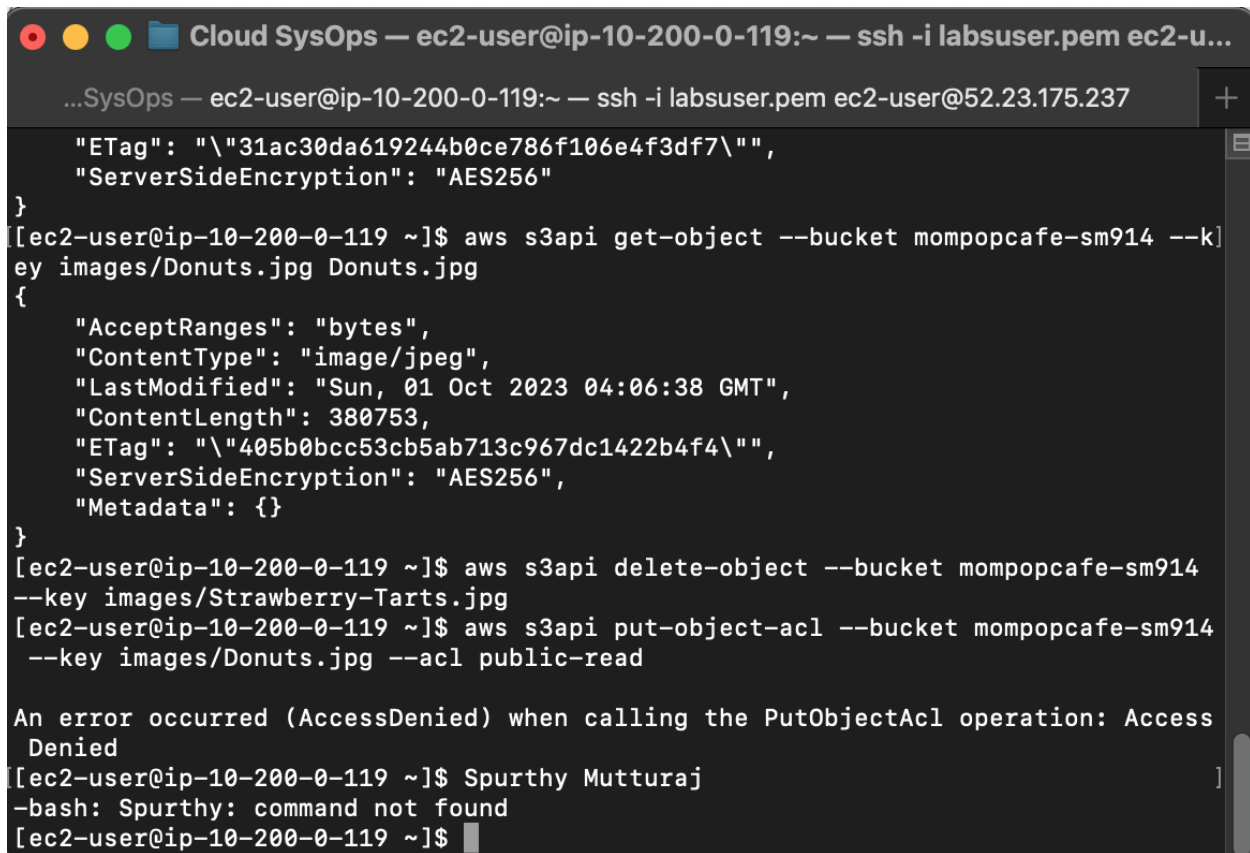


Figure 4

Screenshot of s3api put-object-acl command.



```
Cloud SysOps — ec2-user@ip-10-200-0-119:~ — ssh -i labsuser.pem ec2-u...
...SysOps — ec2-user@ip-10-200-0-119:~ — ssh -i labsuser.pem ec2-user@52.23.175.237
{"ETag": "\"31ac30da619244b0ce786f106e4f3df7\"",
 "ServerSideEncryption": "AES256"
}
[ec2-user@ip-10-200-0-119 ~]$ aws s3api get-object --bucket mompopcafe-sm914 --key images/Donuts.jpg Donuts.jpg
{
  "AcceptRanges": "bytes",
  "ContentType": "image/jpeg",
  "LastModified": "Sun, 01 Oct 2023 04:06:38 GMT",
  "ContentLength": 380753,
  "ETag": "\"405b0bcc53cb5ab713c967dc1422b4f4\"",
  "ServerSideEncryption": "AES256",
  "Metadata": {}
}
[ec2-user@ip-10-200-0-119 ~]$ aws s3api delete-object --bucket mompopcafe-sm914 --key images/Strawberry-Tarts.jpg
[ec2-user@ip-10-200-0-119 ~]$ aws s3api put-object-acl --bucket mompopcafe-sm914 --key images/Donuts.jpg --acl public-read

An error occurred (AccessDenied) when calling the PutObjectAcl operation: Access Denied
[ec2-user@ip-10-200-0-119 ~]$ Spurthy Mutturaj
-bash: Spurthy: command not found
[ec2-user@ip-10-200-0-119 ~]$
```