

Activity 2: Create a Website on S3

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IFT 562: Cloud Security & Operations for IT

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Figure 1

A screenshot of console output from Task 3.

```
~/Desktop/Cloud SysOps -- ec2-user@ip-10-200-0-205:~ -- ssh -i labsuser.pem ec2-user@35.171.154.19
Last login: Sat Sep  2 13:47:30 on ttys000
(base) spurthy@Spurthys-MBP ~ % cd Desktop
(base) spurthy@Spurthys-MBP Desktop % cd Cloud\ SysOps
(base) spurthy@Spurthys-MBP Cloud SysOps % ssh -i labsuser.pem ec2-user@35.171.154.19
The authenticity of host '35.171.154.19 (35.171.154.19)' can't be established.
ED25519 key fingerprint is SHA256:08UwEhYQU083YMu6830ut7FuKqPdAPU2q4613f1YjI.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '35.171.154.19' (ED25519) to the list of known hosts.
ec2-user@35.171.154.19: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
(base) spurthy@Spurthys-MBP Cloud SysOps % chmod 400 labsuser.pem
(base) spurthy@Spurthys-MBP Cloud SysOps % ssh -i labsuser.pem ec2-user@35.171.154.19
ec2-user@35.171.154.19: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
(base) spurthy@Spurthys-MBP Cloud SysOps % chmod 400 labsuser.pem
(base) spurthy@Spurthys-MBP Cloud SysOps % ssh -i labsuser.pem ec2-user@35.171.154.19

  _ _ | _ _ | _ _ )
  _ | ( _ _ | _ /   Amazon Linux 2 AMI
 _ _ | \ _ _ | _ _ |

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-200-0-205 ~]$ aws configure
AWS Access Key ID [None]: AKIA23D24RYITGQ5FP4X
AWS Secret Access Key [None]: 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
Default region name [None]: eu-west-2
Default output format [None]: json
[ec2-user@ip-10-200-0-205 ~]$ aws s3api create-bucket --bucket smutturaj914 --region eu-west-2 --create-bucket-configuration LocationConstraint=eu-west-2
{
  "Location": "http://smutturaj914.s3.amazonaws.com/"
}
[ec2-user@ip-10-200-0-205 ~]$ Spurthy Mutturaj
```

Figure 2

Screenshot of AWS web browser logged in as awsS3User

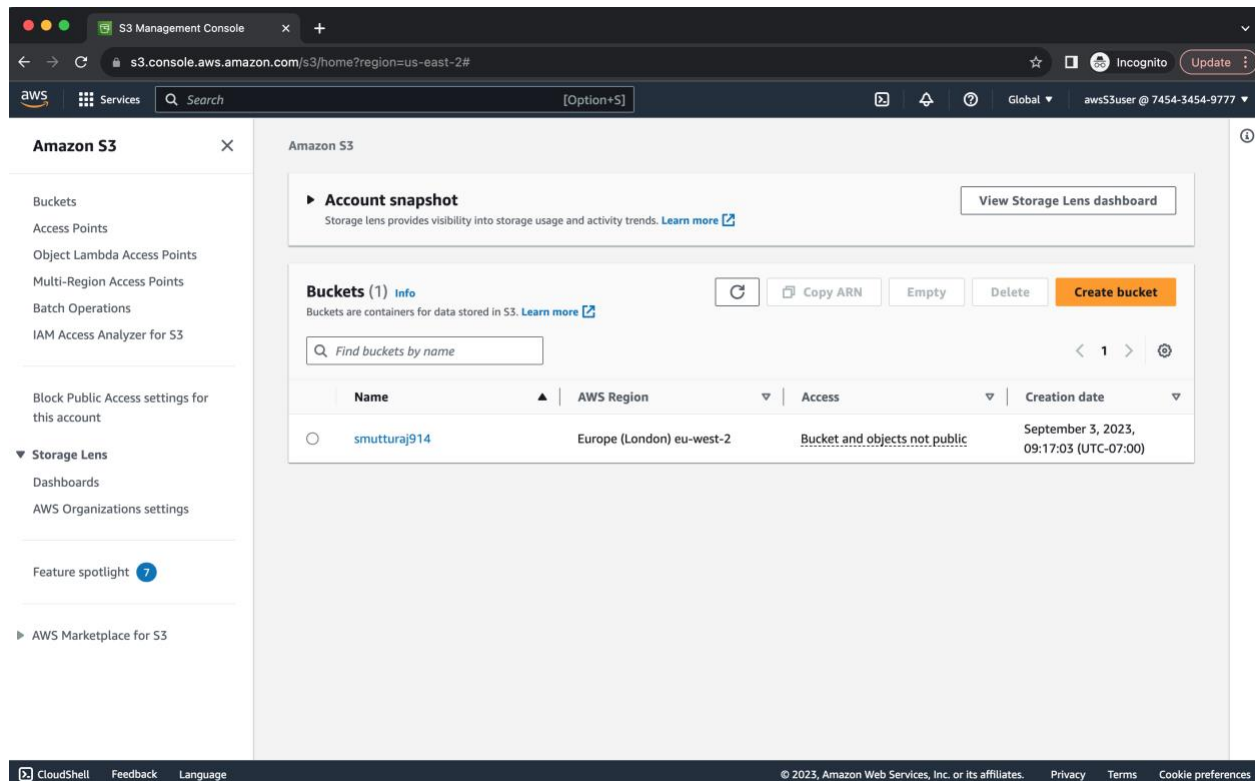


Figure 3

Screenshot of statically hosted website

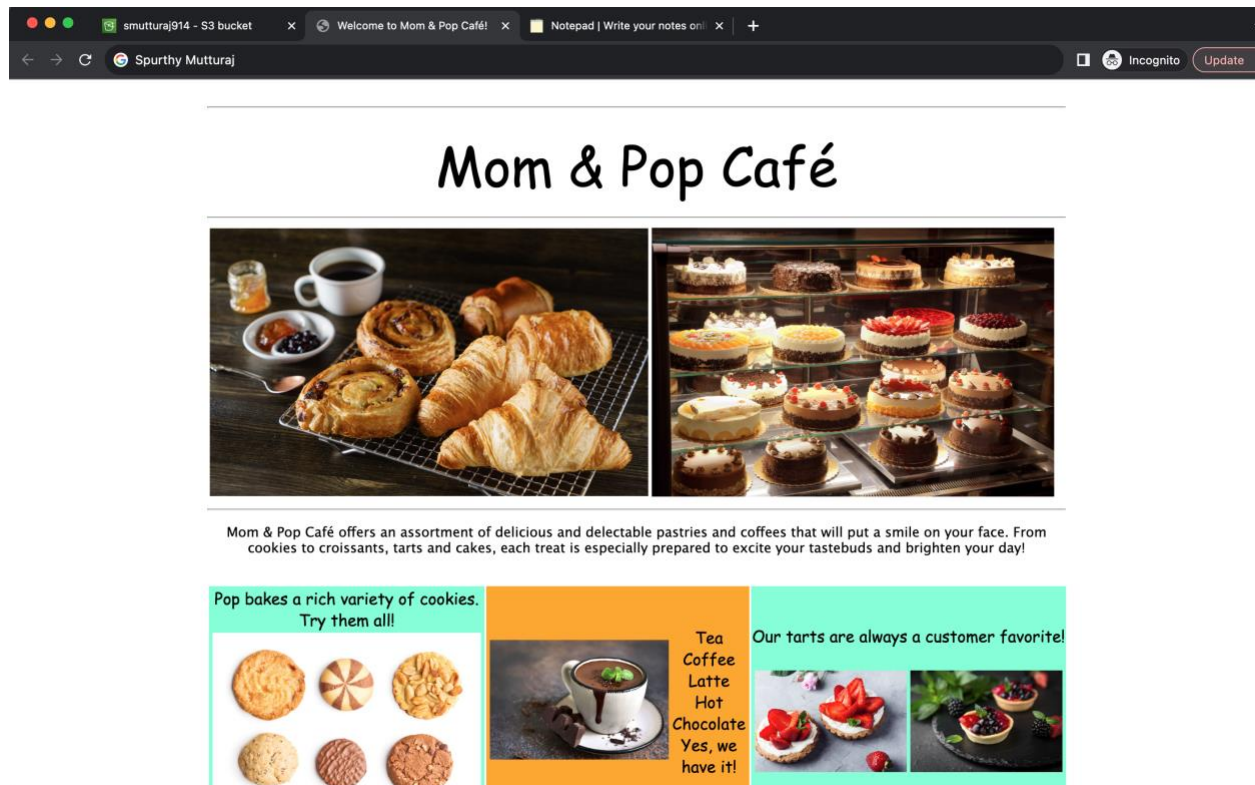


Figure 4

Screenshot of the command “cat update-website.sh”

```

~/Desktop/Cloud SysOps -- ec2-user@ip-10-200-0-205:~ -- ssh -i labuser.pem ec2-user@35.171.154.19
[ec2-user@ip-10-200-0-205 sysops-activity-files]$ aws s3api put-public-access-block \
> --bucket smutturaj914 \
> --public-access-block-configuration "BlockPublicAcls=false,IgnorePublicAcls=false,BlockPublicPolicy=false,RestrictPublicBuckets=false"
[ec2-user@ip-10-200-0-205 sysops-activity-files]$ aws s3 website s3://smutturaj914/ --index-document index.html
[ec2-user@ip-10-200-0-205 sysops-activity-files]$ aws s3 cp . s3://smutturaj914/ --recursive --acl public-read
upload: css/styles.css to s3://smutturaj914/css/styles.css
upload: ./index.html to s3://smutturaj914/index.html
upload: images/Mom-&Pop-Coffee-Shop.png to s3://smutturaj914/images/Mom-&Pop-Coffee-Shop.png
upload: images/Cookies.png to s3://smutturaj914/images/Cookies.png
upload: images/Coffee-and-Pastries.png to s3://smutturaj914/images/Coffee-and-Pastries.png
upload: images/Strawberry-&Blueberry-Tarts.png to s3://smutturaj914/images/Strawberry-&Blueberry-Tarts.png
upload: images/Cake-Vitrine.png to s3://smutturaj914/images/Cake-Vitrine.png
upload: images/Cup-of-Hot-Chocolate.png to s3://smutturaj914/images/Cup-of-Hot-Chocolate.png
upload: images/Strawberry-Tarts.png to s3://smutturaj914/images/Strawberry-Tarts.png
upload: images/Mom-&Pop.png to s3://smutturaj914/images/Mom-&Pop.png
[ec2-user@ip-10-200-0-205 sysops-activity-files]$ aws s3 ls <my-bucket>
-bash: syntax error near unexpected token 'newline'
[ec2-user@ip-10-200-0-205 sysops-activity-files]$ aws s3 ls smutturaj914
      PRE css/
      PRE images/
2023-09-03 16:38:24      3020 index.html
[ec2-user@ip-10-200-0-205 sysops-activity-files]$ history
 1 aws configure
 2 aws s3api create-bucket --bucket smutturaj914 --region eu-west-2 --create-bucket-configuration LocationConstraint=eu-west-2
 3 cd ~/sysops-activity-files
 4 tar xvfz static-website.tar.gz
 5 ls
 6 rm static-website.tar.gz
 7 ls
 8 aws s3api put-bucket-ownership-controls --bucket smutturaj914 --ownership-controls "Rules=[{ObjectOwnership=BucketOwnerPreferred}]"
 9 aws s3api put-bucket-ownership-controls --bucket smutturaj914 --ownership-controls "Rules=[{ObjectOwnership=BucketOwnerPreferred}]"
10 aws s3api put-public-access-block --bucket smutturaj914 --public-access-block-configuration "BlockPublicAcls=false,IgnorePublicAcls=false,BlockPublicPolicy=false,RestrictPublicBuckets=false"
11 aws s3api put-public-access-block --bucket smutturaj914 --public-access-block-configuration "BlockPublicAcls=false,IgnorePublicAcls=false,BlockPublicPolicy=false,RestrictPublicBuckets=false"
12 aws s3 website s3://smutturaj914/ --index-document index.html
13 aws s3 cp . s3://smutturaj914/ --recursive --acl public-read
14 aws s3 ls <my-bucket>
15 aws s3 ls smutturaj914
16 history
[ec2-user@ip-10-200-0-205 sysops-activity-files]$ cd -
[ec2-user@ip-10-200-0-205 ~]$ touch update-website.sh
[ec2-user@ip-10-200-0-205 ~]$ vi update-website.sh
[ec2-user@ip-10-200-0-205 ~]$ chmod +x update-website.sh
[ec2-user@ip-10-200-0-205 ~]$ vi sysops-activity-files/index.html
[ec2-user@ip-10-200-0-205 ~]$ ls
sysops-activity-files  update-website.sh
[ec2-user@ip-10-200-0-205 ~]$ ./update-website.sh
upload: sysops-activity-files/index.html to s3://smutturaj914/index.html
upload: sysops-activity-files/css/styles.css to s3://smutturaj914/css/styles.css
upload: sysops-activity-files/images/Mom-&Pop-Coffee-Shop.png to s3://smutturaj914/images/Mom-&Pop-Coffee-Shop.png
upload: sysops-activity-files/images/Cookies.png to s3://smutturaj914/images/Cookies.png
upload: sysops-activity-files/images/Coffee-and-Pastries.png to s3://smutturaj914/images/Coffee-and-Pastries.png
upload: sysops-activity-files/images/Strawberry-&Blueberry-Tarts.png to s3://smutturaj914/images/Strawberry-&Blueberry-Tarts.png
upload: sysops-activity-files/images/Mom-&Pop.png to s3://smutturaj914/images/Mom-&Pop.png
upload: sysops-activity-files/images/Cake-Vitrine.png to s3://smutturaj914/images/Cake-Vitrine.png
upload: sysops-activity-files/images/Cup-of-Hot-Chocolate.png to s3://smutturaj914/images/Cup-of-Hot-Chocolate.png
[ec2-user@ip-10-200-0-205 ~]$ cat update-website.sh
#!/bin/bash
aws s3 cp ~/sysops-activity-files/ s3://smutturaj914/ --recursive --acl public-read
[ec2-user@ip-10-200-0-205 ~]$ Spurthy Mutturaj

```