# **Activity 8: Work with Amazon S3**

Spurthy Mutturaj

Information Technology, Arizona State University

IFT 562: Cloud Security & Operations for IT

Daniel Wells

Oct 1, 2023

#### **Activity 8: Work with Amazon S3**

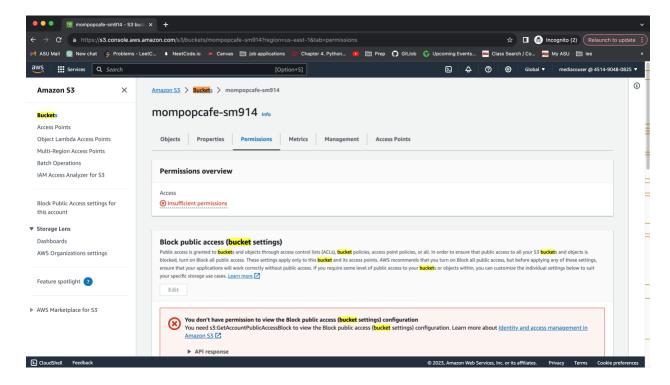
Figure 1

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-sm91]
4/images
upload: initial-images/Strawberry-Tarts.jpg to s3://mompopcafe-sm914/images/Stra
wberry-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-re
adable --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.



Spurthy Mutturaj <smuttura@asu.edu>

#### **Amazon S3 Notification**

AWS Notifications <no-reply@sns.amazonaws.com>
To: smuttura@asu.edu

Sat, Sep 30, 2023 at 9:41 PM

("Service": "Amazon S3", "Event", "S3: TestEvent", "Time", "2023-10-01T04:41:01.059Z", "Bucket", "mompopcafe-sm914", "Requestid", "R59X3MTCB0B1J1VY", "Hostid", "7LGzu1lNr9cRrMDwuaaRSkNusutwolbzH6ljcTUMKj0+bU/LlEqT+PTSGXMnjtCamd8sEojxW0-")

-If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:
https://uridefense.com/v3/\_\_https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionAm=am:aws:sns:us-east-1.451490480825:s3NotificationTopic:f5df5bbd-6ce4-431d-8dad-376d71ad626e&Endpoint=smuttura@asu.edu\_\_:!!
IKRxdwAv5BmarQlewFirtWg8V-oib73PT\_EGnet2QXyDIFpf-Z4SVjNFV3EQJaDGokpeY8fGNQPjO1XK\_-wd5DyKdgDVBFW5oS8BA\$

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at https://urldefense.com/v3/\_https://aws.amazon.com/support\_\_:!!!KRxdwAv58marQlewFirtWg8V-oib73PT\_EGneL2QXyDlFpt-Z4SVjNFV3EQJaDGokpeY8fGNQPjO1XK\_-wdSDyKdgDVBH4oNmPgw\$

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 \sim]^{\circ} aws s3api get-object --bucket mompopcafe-sm914 --k]
ey 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
-bash: Spurthy: command not found
[ec2-user@ip-10-200-0-119 ~]$
```