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Lab - AWS re/Start

Creación de un Sitio Web con Amazon S3



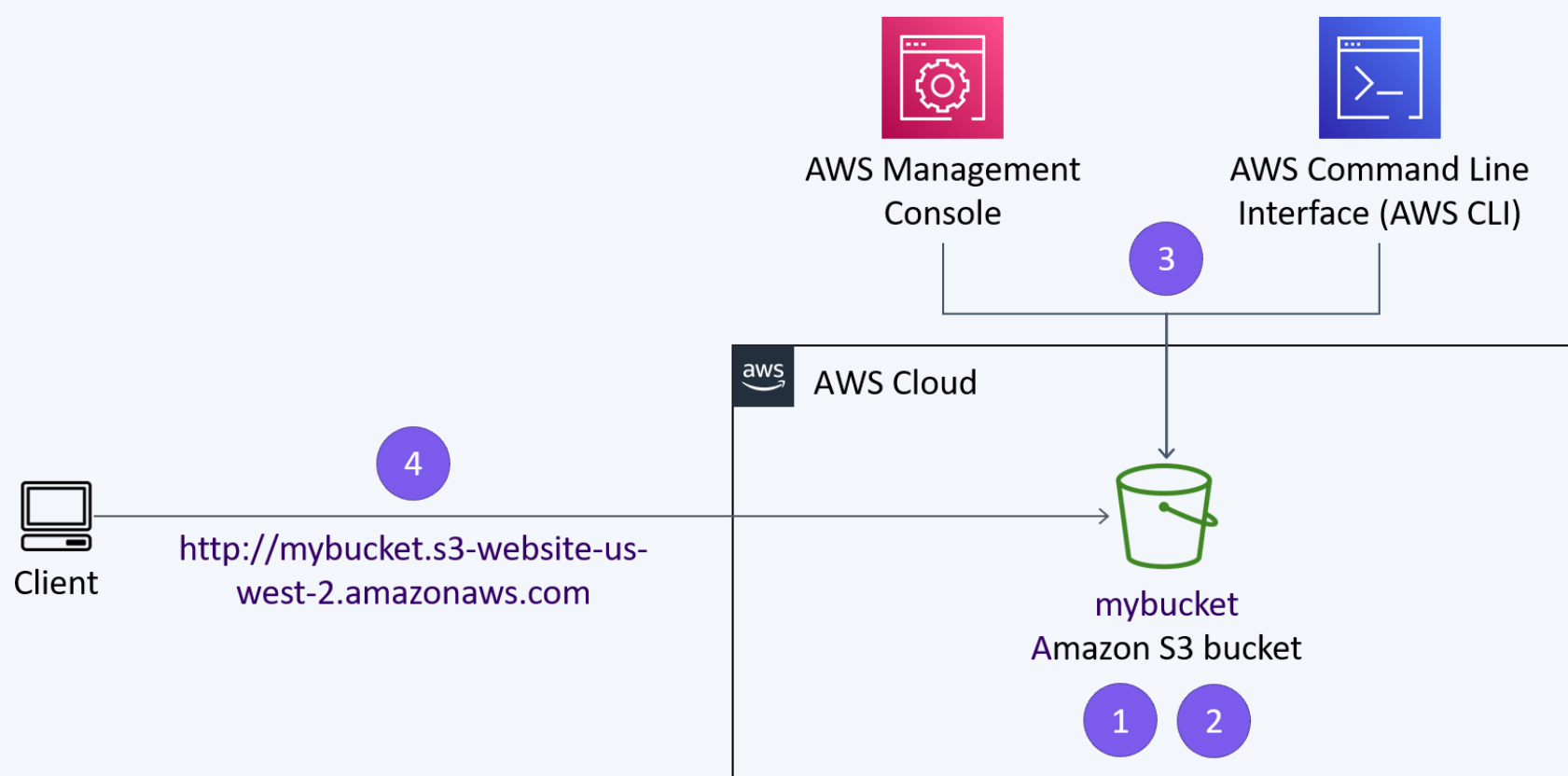
Tarea 01



Interactuando con Amazon S3

A continuación, se muestra los objetivos del laboratorio:

- Ejecutar comandos de la AWS CLI que utilizan los servicios de IAM y Amazon S3.
- Implementar un sitio web estático en un bucket de S3.
- Crear un script que utilice la AWS CLI para copiar archivos de un directorio local en Amazon S3.



```
ec2-user@ip-10-200-0-128:~  
login as: ec2-user  
Authenticating with public key "imported-openssh-key"  
  
#_#  
~\##### Amazon Linux 2  
~~\#####\  
~~\####| AL2 End of Life is 2025-06-30.  
~~\#/V~'-'>  
~~~~ / A newer version of Amazon Linux is available!  
~~~~.-./ /  
_/m/'-' / Amazon Linux 2023, GA and supported until 2028-03-15.  
https://aws.amazon.com/linux/amazon-linux-2023/  
  
[ec2-user@ip-10-200-0-128 ~]$ aws configure  
AWS Access Key ID [None]: AKIAVRUVVL3S5PMC5YFJ  
AWS Secret Access Key [None]: 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  
Default region name [None]: us-west-2  
Default output format [None]: json  
[ec2-user@ip-10-200-0-128 ~]$
```

```
[ec2-user@ip-10-200-0-128 ~]$ aws s3api create-bucket --bucket mrv-lab-website-s3 --region us-west-2 --create-bucket-configuration LocationConstraint=us-west-2
{
  "Location": "http://mrv-lab-website-s3.s3.amazonaws.com/"
}
[ec2-user@ip-10-200-0-128 ~]$
```

Tarea 01



Asimismo, creamos un usuario que tenga el permiso de acceso completo al servicio de S3:

```
[ec2-user@ip-10-200-0-128 ~]$ aws iam create-user --user-name awsS3user
{
  "User": {
    "UserName": "awsS3user",
    "Path": "/",
    "CreateDate": "2024-03-03T18:36:39Z",
    "UserId": "AIDAVRUVVL3S3DMDJH2PV",
    "Arn": "arn:aws:iam::381492223717:user/awsS3user"
  }
}
[ec2-user@ip-10-200-0-128 ~]$ aws iam create-login-profile --user-name awsS3user --password Training123!
{
  "LoginProfile": {
    "UserName": "awsS3user",
    "CreateDate": "2024-03-03T18:36:51Z",
    "PasswordResetRequired": false
  }
}
[ec2-user@ip-10-200-0-128 ~]$
```

Bien, es momento de probar el nuevo usuario creado. Y notamos que aún no tiene permiso ni de ver los buckets. Debemos asignarle el permiso de *AmazonS3FullAccess*

```
[ec2-user@ip-10-200-0-128 ~]$ aws iam attach-user-policy --policy-arn arn:aws:iam::aws:policy/AmazonS3FullAccess --user-name awsS3user
[ec2-user@ip-10-200-0-128 ~]$
```

Además, extraemos los archivos para la página web

```
[ec2-user@ip-10-200-0-128 ~]$ cd ~/sysops-activity-files
[ec2-user@ip-10-200-0-128 sysops-activity-files]$ tar xvzf static-website-v2.tar.gz
static-website/
static-website/css/
static-website/css/styles.css
static-website/images/
static-website/images/Cafe-Owners.png
static-website/images/Cake-Vitrine.png
static-website/images/Coffee-and-Pastries.png
static-website/images/Coffee-Shop.png
static-website/images/Cookies.png
static-website/images/Cup-of-Hot-Chocolate.png
static-website/images/Strawberry-&-Blueberry-Tarts.png
static-website/images/Strawberry-Tarts.png
static-website/index.html
[ec2-user@ip-10-200-0-128 sysops-activity-files]$ cd static-website
[ec2-user@ip-10-200-0-128 static-website]$ ls
css  images  index.html
[ec2-user@ip-10-200-0-128 static-website]$
```

Tarea 01



Ahora, subiremos estos archivos al bucket

```
[ec2-user@ip-10-200-0-128 static-website]$ aws s3 cp /home/ec2-user/sysops-activity-files/static-website/ s3://mrv-lab-website-s3/ --recursive
upload: css/styles.css to s3://mrv-lab-website-s3/css/styles.css
upload: ./index.html to s3://mrv-lab-website-s3/index.html
upload: images/Coffee-Shop.png to s3://mrv-lab-website-s3/images/Coffee-Shop.png
upload: images/Cafe-Owners.png to s3://mrv-lab-website-s3/images/Cafe-Owners.png
upload: images/Cake-Vitrine.png to s3://mrv-lab-website-s3/images/Cake-Vitrine.png
upload: images/Cookies.png to s3://mrv-lab-website-s3/images/Cookies.png
upload: images/Strawberry-&-Blueberry-Tarts.png to s3://mrv-lab-website-s3/images/Strawberry-&-Blueberry-Tarts.png
upload: images/Coffee-and-Pastries.png to s3://mrv-lab-website-s3/images/Coffee-and-Pastries.png
upload: images/Cup-of-Hot-Chocolate.png to s3://mrv-lab-website-s3/images/Cup-of-Hot-Chocolate.png
upload: images/Strawberry-Tarts.png to s3://mrv-lab-website-s3/images/Strawberry-Tarts.png
[ec2-user@ip-10-200-0-128 static-website]$ aws s3 ls mrv-lab-website-s3
PRE css/
PRE images/
2024-03-03 18:57:20      2980 index.html
[ec2-user@ip-10-200-0-128 static-website]$
```

Aquí tenemos los archivos subidos

Amazon S3 > Buckets > mrv-lab-website-s3

mrv-lab-website-s3 [Info](#)

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

Objects (3) [Info](#)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

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](#)

Find objects by prefix

< 1 > ⚙

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	css/	Folder	-	-	-
<input type="checkbox"/>	images/	Folder	-	-	-
<input type="checkbox"/>	index.html	html	March 3, 2024, 13:57:20 (UTC-05:00)	2.9 KB	Standard

Y después de las modificaciones de color de background, tenemos nuestra página web estática en un bucket de S3

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