41°

Lab - AWS re/Start

Creación de un Sitio Web con Amazon S3

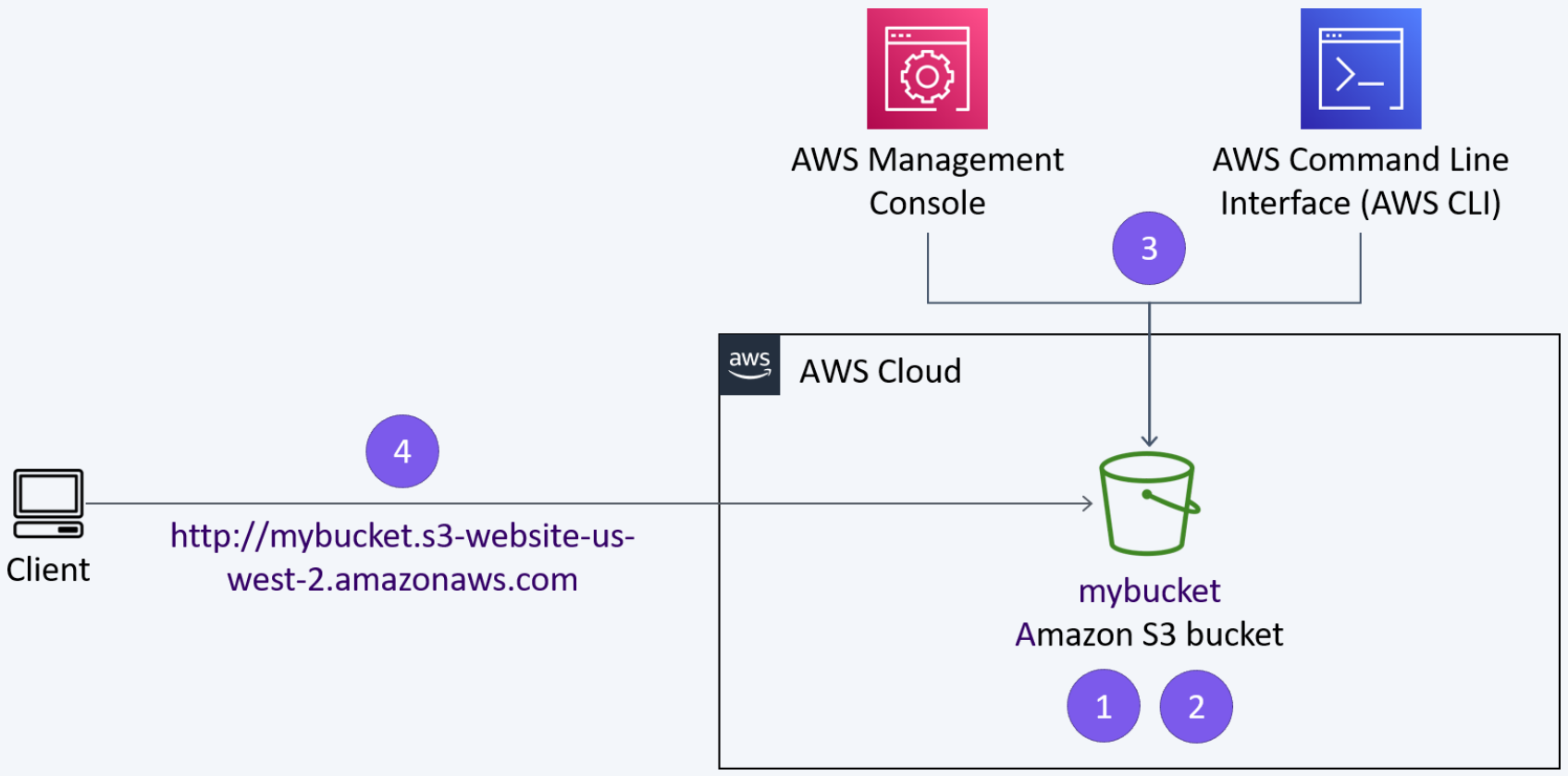
SWIPE

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.



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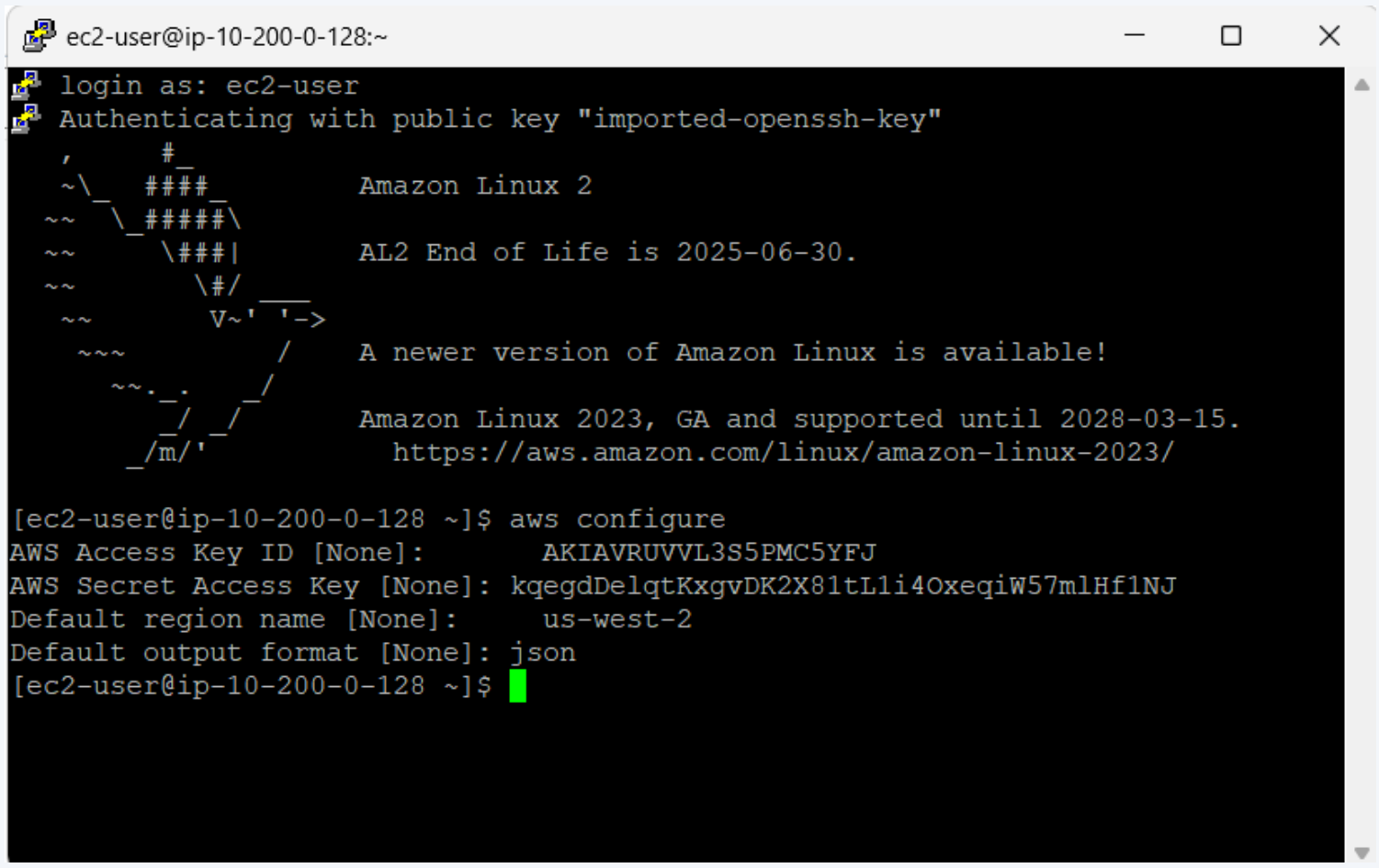
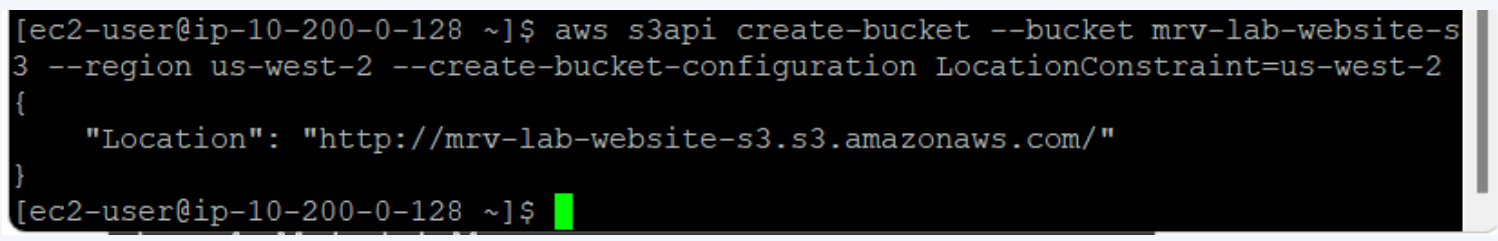
Tarea 01

Lo primero, nos conectamos a la instancia EC2 mediante el protocolo SSH. Y procedemos a configurar la interfaz de línea de comandos de AWS.



Ahora, procedemos a crear un bucket de S3 mediante los comandos de la AWS CLI



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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:ia
m::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]$
```

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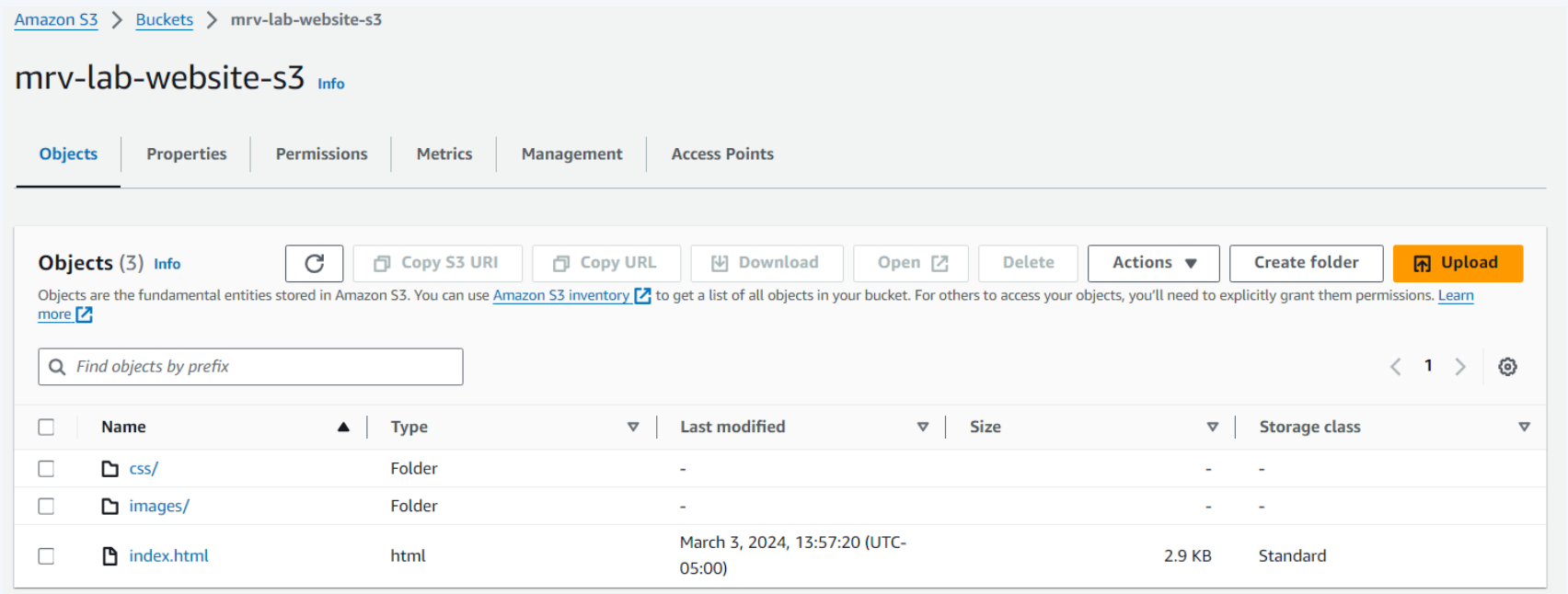
Ahora, subiremos estos archivos al bucket

```
[ec2-user@ip-10-200-0-128 static-website]$ aws s3 cp /home/ec2-user/sysops-activity-files/static-webs
ite/ 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-&-Bluebe
rry-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



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

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