Challenge Lab: Amazon S3

ab overview

In this challenge lab, you create an Amazon Simple Storage Service (Amazon S3) bucket and perform some routine tasks, such as uploading objects and configuring permissions to make those objects publicly accessible through a browser.

Objectives

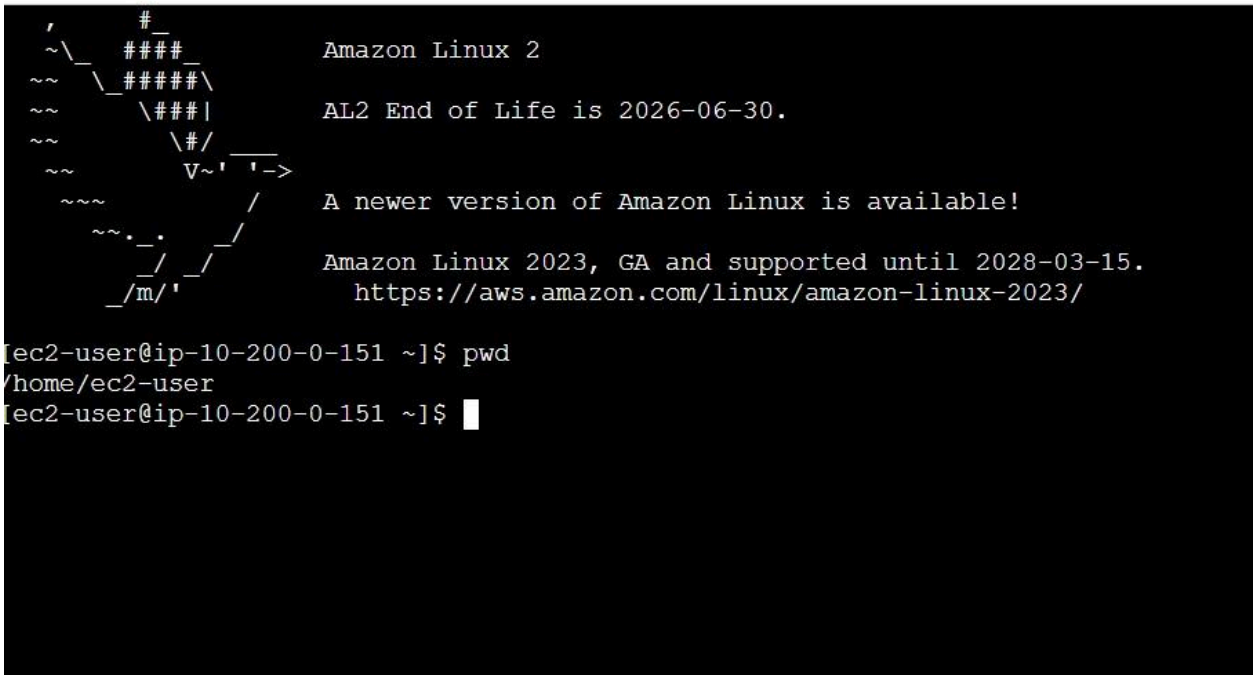
By the end of this challenge, you should be able to do the following:

- Create an S3 bucket.
- Upload an object into this bucket.
- Access the object by using a web browser.
- List the contents of the S3 bucket by using the AWS Command Line Interface (AWS CLI).

Task 1: Connecting to the CLI Host instance

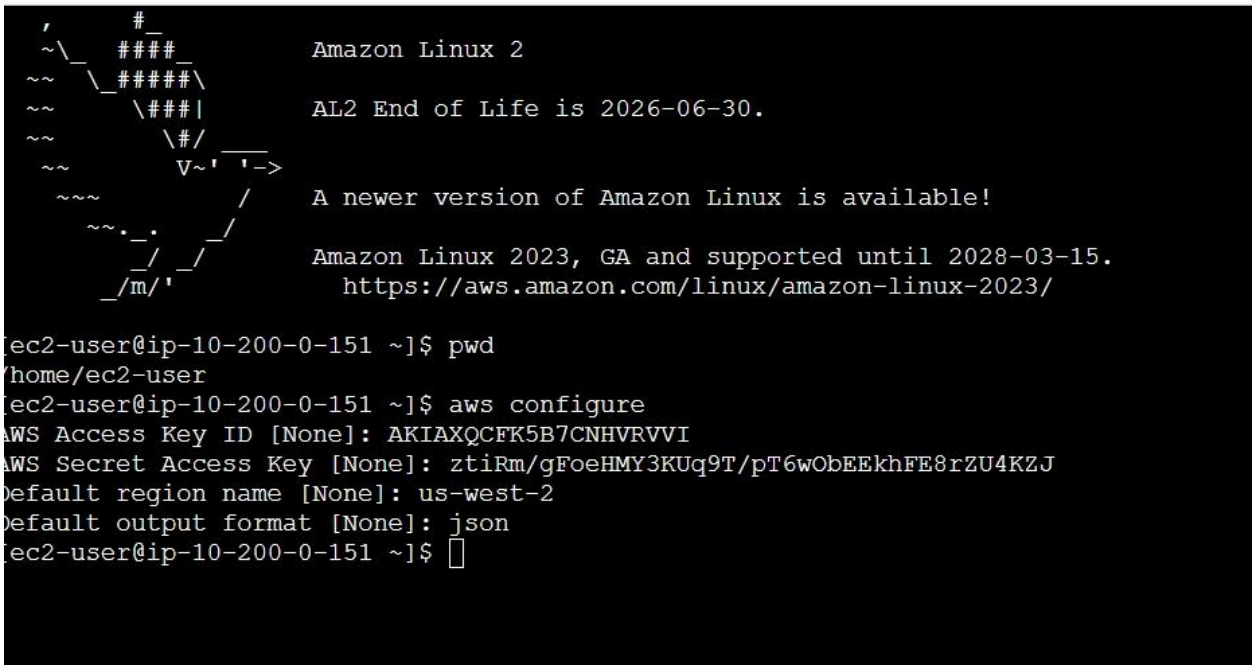
To start the challenge, you connect to the CLI Host instance that is already provisioned for you.

7. On the **AWS Management Console**, in the **Search** bar, enter and choose `EC2` to open the **EC2 Management Console**.
8. In the navigation pane, choose **Instances**.
9. From the list of instances, select the **CLI Host** instance.
10. Choose **Connect**.
11. On the **EC2 Instance Connect** tab, choose **Connect**.
    Note: If you prefer to use an SSH client to connect to the EC2 instance, see the guidance to Connect to Your Linux Instance.
    Now that you are connected to the CLI Host instance, you can configure and use the AWS CLI to call AWS services.



Task 2: Configuring the AWS CLI

12. To set up the AWS CLI profile with credentials, run the following command in the EC2 Instance Connect terminal:
13. `aws configure`
14. At the prompts, copy the following values that you pasted into your text editor, and paste them into the terminal window as directed.
    - **AWS Access Key ID:** Enter the value for **AccessKey**.
    - **AWS Secret Access Key:** Enter the value for **SecretKey**.
    - **Default region name:** Enter `us-west-2`.
    - **Default output format:** Enter `json`.
15. Now you are ready to run AWS CLI commands to interact with AWS services.



Task 3: Finishing the challenge

To finish the challenge, do the following:

- Create an S3 bucket.
- Upload an object into this bucket.
- Try to access the object by using a web browser.
- Make the object (not the bucket) publicly accessible.
- Access the object by using a web browser.
- List the contents of the S3 bucket by using the AWS CLI.

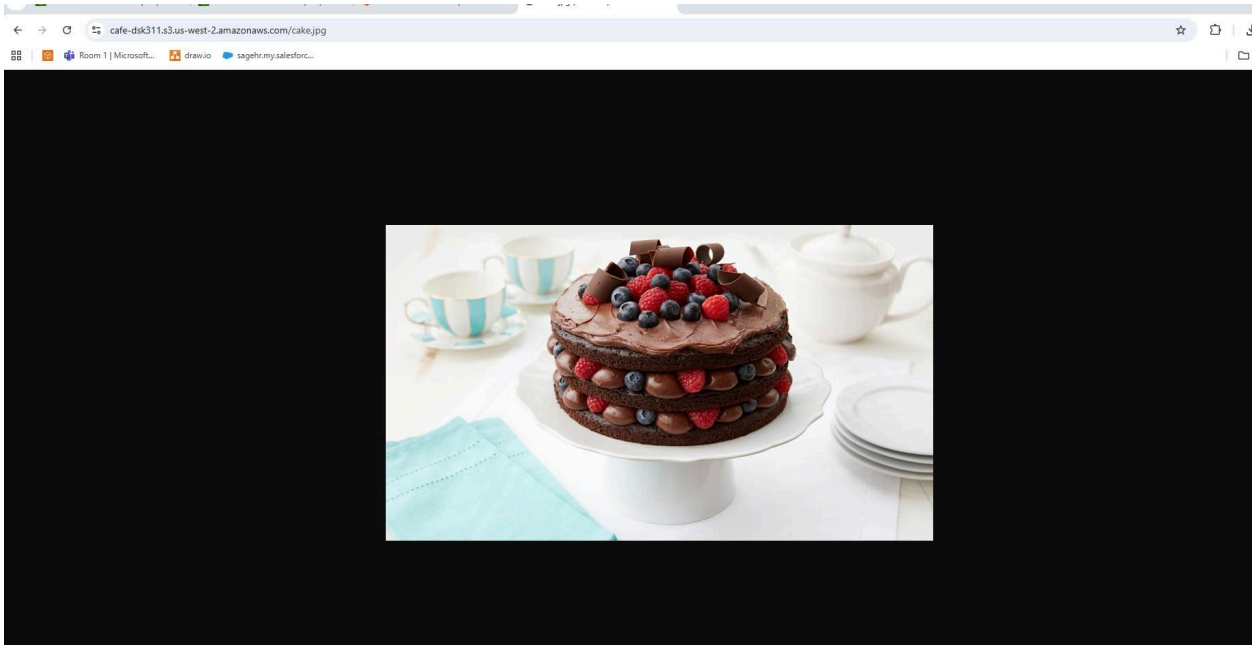
Hint: You may refer to the relevant sections of the course which teaches S3. Additional documentation links are provided in the references section.

Note: As you complete these challenges, capture screenshots to submit to your instructor.

Conclusion

Congratulations! You now have successfully done the following:

- Created an S3 bucket
- Uploaded an object into this bucket
- Accessed the object by using a web browser
- Listed the contents of the S3 bucket by using AWS CLI




```
Last login: Sat Jan  3 07:53:53 2026 from ec2-18-237-140-164.us-west-2.compute.amazonaws.com
   ,     #_
   ~\_  ####_        Amazon Linux 2
  ~~  \_#####\
  ~~     \###|       AL2 End of Life is 2026-06-30.
  ~~       \#/ ___
   ~~       V~' '->
    ~~~         /    A newer version of Amazon Linux is available!
      ~~._.   _/
         _/ _/       Amazon Linux 2023, GA and supported until 2028-03-15.
       _/m/'           https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-10-200-0-151 ~]$ pwd
/home/ec2-user
[ec2-user@ip-10-200-0-151 ~]$ aws s3 ls cafe-dsk311
2026-01-03 08:06:36      55388 cake.jpg
2026-01-03 08:06:06     148394 choclate chip.jpg
2026-01-03 08:07:01      50274 choclate drink.jpg
2026-01-03 08:00:17      43329 delicious-muffin.avif
[ec2-user@ip-10-200-0-151 ~]$
```