

QwikLab: Intro to S3

Time spent: 60 min

What is AWS S3

Amazon Simple Storage Service is a "simple storage service" offered by AWS that provides object storage through a web service interface.

What I learned:

1. How to create the bucket

Because all the objects are stored in buckets on S3

- 1) Click S3
- 2) Click create the bucket
- 3) Finish the configuration

+ Create bucket Edit public access settings Empty Delete

Bucket name: mybucket0705 Access: Objects can be public Region: US West (Oregon)

2. How to upload the object to the bucket

Amazon S3 > mybucket0705

Overview Properties (selected) Permissions Management

Upload Create folder Download Actions Versions Hide Show US West (Oregon)

Name	Last modified	Size	Storage class
sheep.png	Dec 8, 2018 11:33:08 PM GMT-0500	553.8 KB	Standard

3. How to make the object public

If it is private

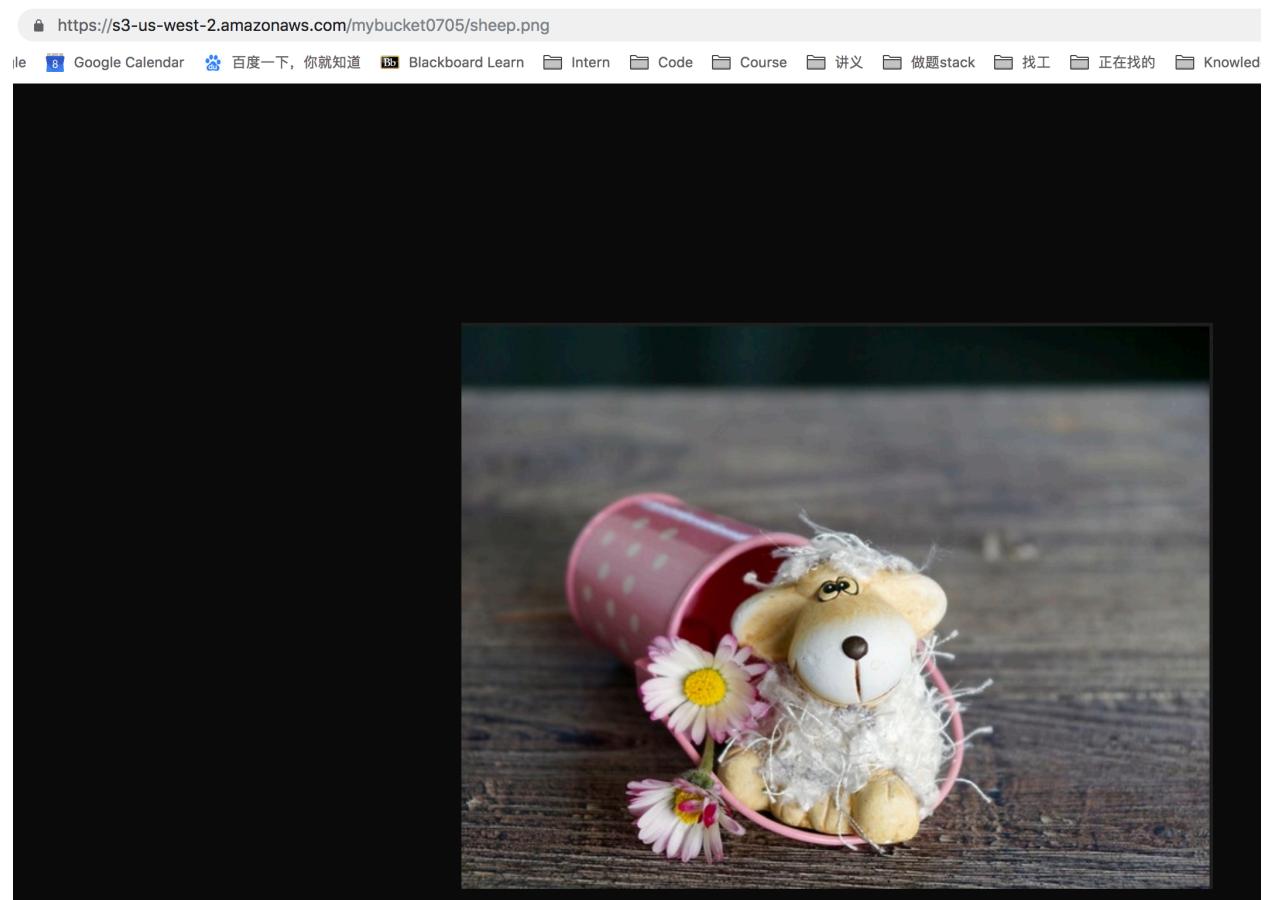
← → C ⌂ 🔒 https://s3-us-west-2.amazonaws.com/mybucket0705/sheep.png

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```
▼<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>4570DF061895C4CD</RequestId>
  ▼<HostId>
    t0smJG164oQC86puu/BvaS0zj/IV5hXG5T69/m/PgGhDbU0iA+k5kaomx4tZ2bO/nTD2WiaQmk4=
  </HostId>
</Error>
```

But if I make it public



4. How to create Bucket policy

Use policy generator, select action and ARN, then get the JSON

S3 Bucket Overview

Bucket Name: mybucket0705

Last Modified: 2024-01-16 10:00 UTC

Region: us-west-2

Storage Class: Standard

Owner: [awsuser](#)

Public access settings: [Edit](#)

Access Control List: [Edit](#)

Bucket Policy: [Edit](#) (Public)

CORS configuration: [Edit](#)

Permissions: Public

Management: [Edit](#)

⚠ This bucket has public access

You have provided public access to this bucket. We highly recommend that you never grant any kind of public access to your S3 bucket.

Bucket policy editor ARN: arn:aws:s3:::mybucket0705

Type to add a new policy or edit an existing policy in the text area below.

```
1 {
2     "Id": "Policy1544330784310",
3     "Version": "2012-10-17",
4     "Statement": [
5         {
6             "Sid": "Stmt1544330765514",
7             "Action": [
8                 "s3:GetObject"
9             ],
10            "Effect": "Allow",
11            "Resource": "arn:aws:s3:::mybucket0705/*",
12            "Principal": "*"
13        }
14    ]
15 }
```

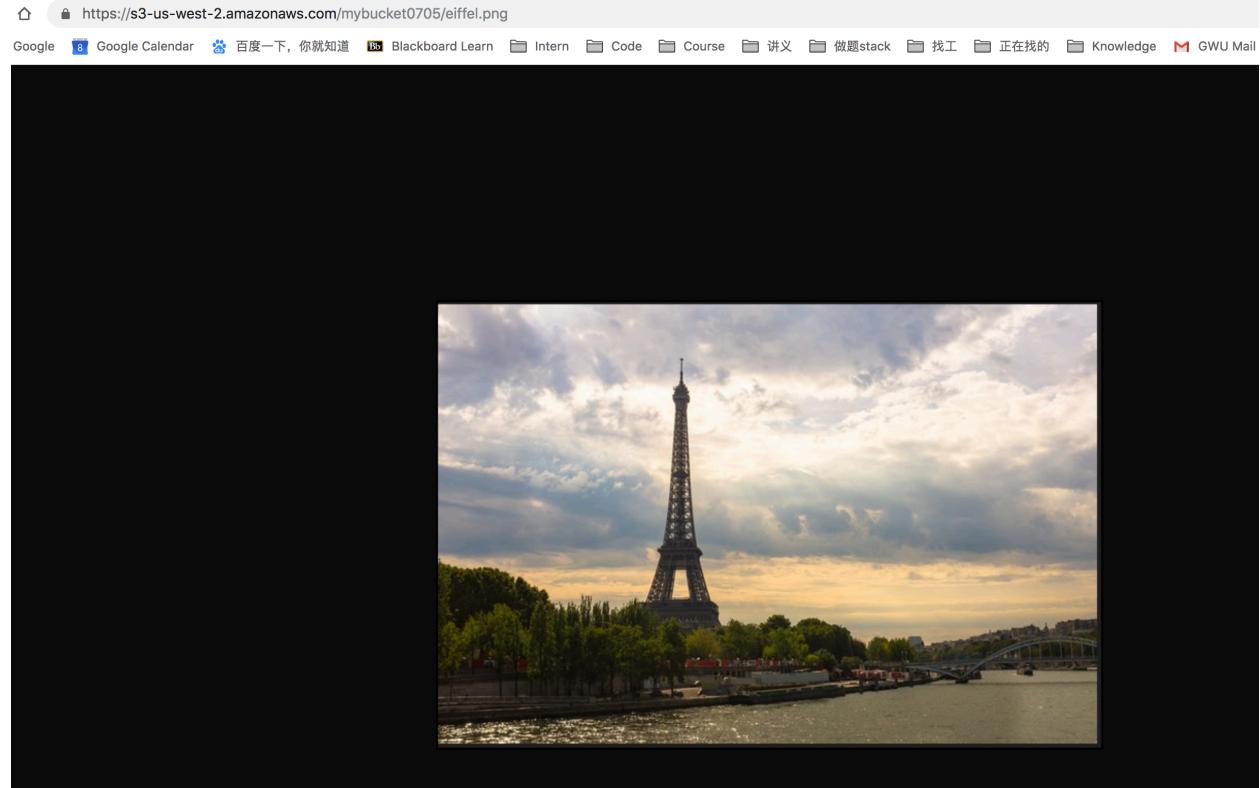
<https://s3-us-west-2.amazonaws.com/mybucket0705/eiffel.png>

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5. How to explore the version

The object version in the bucket likes the version control, which is really important.



Old version:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>CD6F21EF94378932</RequestId>
  ▼<HostId>
    7+tb765bKVmI46yB28FZIbvuyGP4eVWcLvfhmkQXsWBZf8V5YJKqp6mlyVXbp/s5mwKsjNA/BJs=
  </HostId>
</Error>
```

After change policy:

<https://s3-us-west-2.amazonaws.com/mybucket0705/eiffel.png?versionId=G1zCbb1q...zXG2WJwR0VvcUOZoUo8Fc>

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Summary:

In this Lab, I have learned how to use the AWS S3 and basic S3 storage function, access policy.