

AWS s3 Bucket – Access control practice

1. Created an S3 Bucket

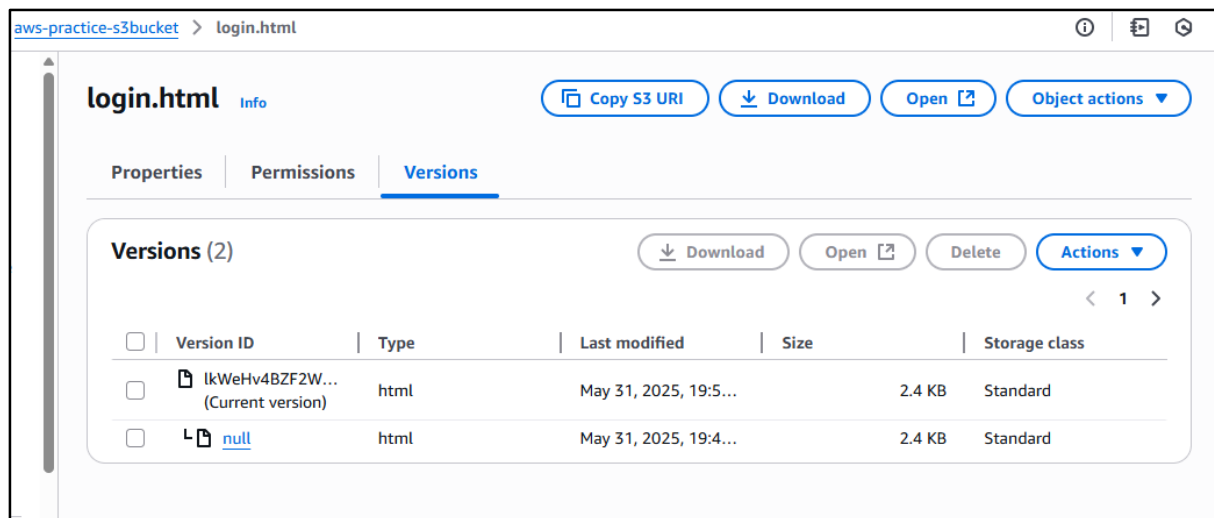
The screenshot shows the AWS Management Console 'Buckets' page. At the top, there's an 'Account snapshot' section. Below it, the 'General purpose buckets' tab is selected. A search bar is present with the text 'Find buckets by name'. A table lists the buckets. The first bucket is 'aws-practice-s3bucket' in the 'Asia Pacific (Mumbai) ap-south-1' region, created on 'May 31, 2025, 19:43:25 (UTC+05:30)'. The table has columns for Name, AWS Region, IAM Access Analyzer, and Creation date.

Name	AWS Region	IAM Access Analyzer	Creation date
aws-practice-s3bucket	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	May 31, 2025, 19:43:25 (UTC+05:30)

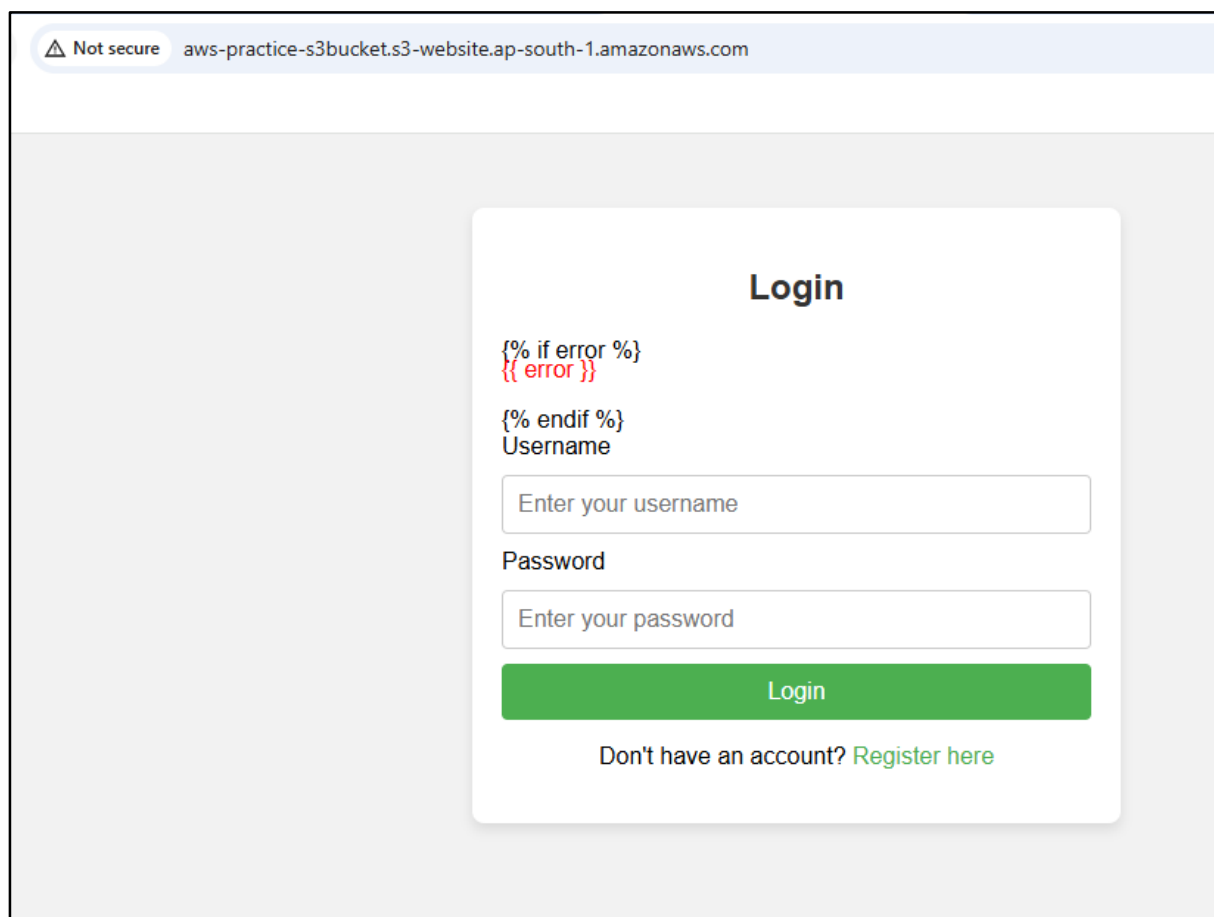
2. Uploaded the file. (login.html File)

The screenshot shows the 'aws-practice-s3bucket' view in the AWS Management Console. The 'Objects' tab is selected. A search bar is present with the text 'Find objects by prefix'. A table lists the objects. The first object is 'login.html' of type 'html', last modified on 'May 31, 2025, 19:52:35 (UTC+05:30)', with a size of '2.4 KB' and 'Standard' storage class. The table has columns for Name, Type, Last modified, Size, and Storage class.

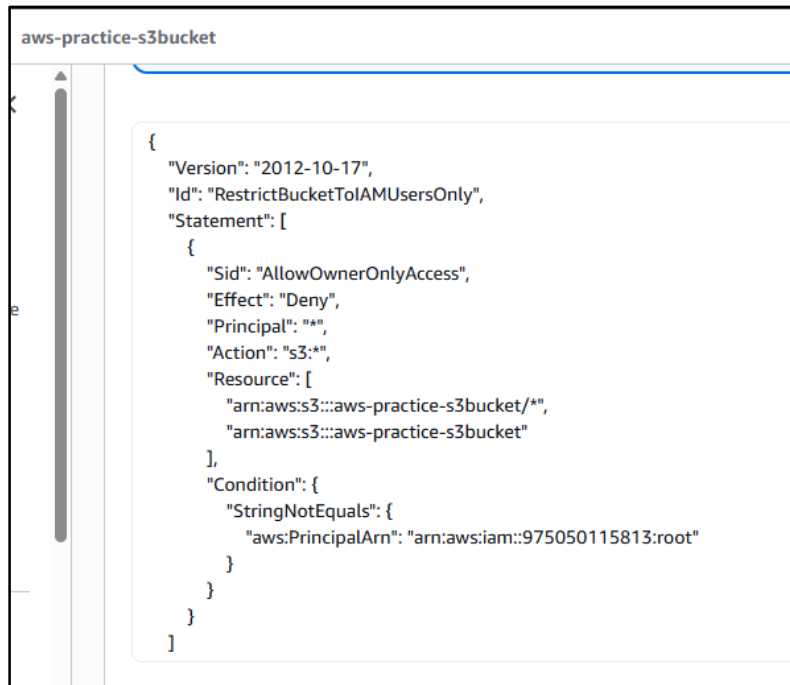
Name	Type	Last modified	Size	Storage class
login.html	html	May 31, 2025, 19:52:35 (UTC+05:30)	2.4 KB	Standard



3. Set Object Permissions for Public Access (Initial Test)



4. Created a New IAM User for Testing.
5. Created and managed policy with the JSON.



The screenshot shows the AWS IAM console interface for a policy named 'aws-practice-s3bucket'. The policy is displayed in JSON format within a text editor. The JSON defines a policy that denies all S3 actions on the 'aws-practice-s3bucket' resource for all principals, except for the root user of the account (arn:aws:iam::975050115813:root).

```
{
  "Version": "2012-10-17",
  "Id": "RestrictBucketToIAMUsersOnly",
  "Statement": [
    {
      "Sid": "AllowOwnerOnlyAccess",
      "Effect": "Deny",
      "Principal": "*",
      "Action": "s3:*",
      "Resource": [
        "arn:aws:s3::aws-practice-s3bucket/*",
        "arn:aws:s3::aws-practice-s3bucket"
      ],
      "Condition": {
        "StringNotEquals": {
          "aws:PrincipalArn": "arn:aws:iam::975050115813:root"
        }
      }
    }
  ]
}
```