Lab 10

Lab Activities:

Working with AWS S3 bucket

Working with AWS S3 Object

Using versioning in S3 buckets

Cross Region Replication

AWS S3 bucket Configure lifecycle management

Lab tasks that need to be performed by students:

Use of Simple Storage Service (S3), Versioning, Cross Region Replication (CRR) of S3 bucket and Interact with AWS S3 service using AWS CLI.

Task 1: Create S3 bucket as your admission number in any region. (see the bucket naming rules)

Task 2: Explore some important bucket properties.

- Buckets overview
- Naming rules
- Creating a bucket
- Viewing bucket properties
- Accessing a bucket
- Emptying a bucket
- Deleting a bucket

Task 3: Upload the text/word file into your bucket having name as admission number_lab10. (e.g., E18CSE110_lab10)

Task 4: Change permission of the uploaded object by making it public access.

Task 5: Check its public accessibility.

Task 6: Make few changes (Add some content) in same text file (admission number_lab10.txt) then upload it again at S3 Bucket.

Task 8: Check the file content of the previous file admission number_lab10.txt.

Task 9: Enable versioning of S3 bucket.

Task 10: Find both the files in the S3 bucket.

Task 11. Delete (accidentally) the latest admission number_lab10.txt file and recover it.

Task 12: Show all the version of admission number_lab10.txt file.

Task 13: Perform cross region replication (CRR) of S3 Bucket.

https://medium.com/swlh/setting-up-a-s3-bucket-with-cross-region-replication-6516690501cc

Task 14: Perform AWS S3 bucket Configure lifecycle management of your data with S3 bucket

Video Link:

https://www.youtube.com/watch?v=o7dsO8VIYE0&ab_channel=Let%27sGoTechInaCloudyWay

Task 15: Take the snapshots of the tasks 12, 13 and 14 and create a doc/pdf of your enrolment number_lab02 (**Ex: E18CSE072_Lab**10) and upload the file on LMS.

AWS Official Web Page for S3 Bucket:

https://docs.aws.amazon.com/AmazonS3/latest/userguide/managing-storage.html