S3:/S3 Commands

1. **Creating a Bucket**

    ➢ **aws s3 mb s3://bucket-name**
    ➢ aws s3 mb: Command to create an S3 bucket.
    ➢ s3://bucket-name: The S3 bucket name in the format s3://.

2. **Delete a File from S3:**

    ➢ **aws s3 rm s3://bucket-name/remote-file**
    ➢ aws s3 rm: Command to delete an object from an S3 bucket.
    ➢ s3://bucket-name/remote-file: The S3 bucket and object path to delete.

3. **Delete a Bucket (Bucket must be empty):**

    ➢ **aws s3 rb s3://bucket-name**
    ➢ aws s3 rb: Command to delete an S3 bucket.
    ➢ s3://bucket-name: The S3 bucket name to delete

4. **List Buckets**

    ➢ **aws s3 ls**
    ➢ aws s3 ls: Command to list all S3 buckets.

5. **List Objects in a Bucket**

    ➢ **aws s3 ls s3://bucket-name**
    ➢ aws s3 ls: Command to list objects in an S3 bucket.
    ➢ s3://bucket-name: The S3 bucket name and optional prefix for listing objects.

6. **Copy a Local File to S3**

    ➢ **aws s3 cp "local-file" s3://bucket-name/remote-file**
    ➢ aws s3 cp: Command to copy a local file to S3.
    ➢ local-file: The path to the local file you want to copy.
    ➢ s3://bucket-name/remote-file: The destination S3 bucket and object path.

7. Copy a File from S3 to Local:

➤ **aws s3 cp s3://bucket-name/remote-file "local-file"**
➤ aws s3 cp: Command to copy a file from S3 to your local machine.
➤ s3://bucket-name/remote-file: The source S3 bucket and object path.
➤ local-file: The destination path on your local machine.

8. Copy a File from one S3 Bucket to Another

➤ **aws s3 cp s3://source-bucket/source-file s3://destination-bucket/destination-file**
➤ aws s3 cp: Command to copy an S3 object.
➤ s3://source-bucket/source-file: The source S3 bucket and object path.
➤ s3://destination-bucket/destination-file: The destination S3 bucket and object path.

9. Move a File from one Location to Another

➤ **aws s3 mv s3://bucket-name/source-file s3://bucket-name/destination-file**
➤ aws s3 mv: Command to move an S3 object.
➤ s3://bucket-name/source-file: The source S3 bucket and object path.
➤ s3://bucket-name/destination-file: The destination S3 bucket and object path

10. Upload a Directory to S3:

➤ **aws s3 sync local-directory s3://bucket-name/remote-directory**
➤ aws s3 sync: Command to synchronize the contents of a local directory to an S3 bucket.
➤ local-directory: The path to the local directory.
➤ s3://bucket-name/remote-directory: The destination S3 bucket and directory path.

11. Download a Directory from S3:

➤ **aws s3 sync s3://bucket-name/remote-directory local-directory**
➤ aws s3 sync: Command to synchronize the contents of an S3 bucket directory to your local machine.
➤ s3://bucket-name/remote-directory: The source S3 bucket and directory path.
➤ local-directory: The destination local directory.