**Data Transfer from AWS S3 to MinIO Bucket on vSphere VM**

**Prerequisites**

1. AWS CLI: Ensure that AWS CLI is installed and configured on your local machine or the server from which the transfer will be initiated.

2. MinIO Client (mc): Install the MinIO Client (mc) on the same machine where you have AWS CLI configured.

3. MinIO Server: A MinIO server set up on a vSphere VM.

4. Network Configuration: Ensure network connectivity between the machine (running AWS CLI and mc) and the MinIO server on vSphere VM.

5. Access Keys: Access keys for AWS S3 and MinIO bucket.

**Installing AWS CLI**

If not already installed, follow these steps to install AWS CLI:

>> curl "https://awscli.amazonaws.com/AWSCLIV2.pkg" -o "AWSCLIV2.pkg"

>> sudo installer -pkg AWSCLIV2.pkg -target /

Verify installation

>> aws --version

**Installing MinIO Client (mc)**

Download and install the MinIO Client:

>> wget https://dl.min.io/client/mc/release/linux-amd64/mc

>> chmod +x mc

>> sudo mv mc /usr/local/bin/

Verify installation

>> mc --version

**Configuring AWS CLI**

Configure AWS CLI with your AWS credentials:

>> aws configure

**Configuring MinIO Client**

Configure the MinIO Client with your MinIO server details:

>> mc alias set minio http://<minio-server-ip>:9000 <MINIO\_ACCESS\_KEY> <MINIO\_SECRET\_KEY>

**Data Transfer Process**

**Step 1**: Sync Data from S3 to Local Machine

First, sync the data from AWS S3 to your local machine:

>> aws s3 sync s3://<source-s3-bucket> /path/to/local/directory

**Step 2**: Sync Data from Local Machine to MinIO Bucket

Next, sync the data from the local machine to the MinIO bucket:

>> mc mirror /path/to/local/directory minio/<minio-bucket-name>