############################ Real time scenarios #########################

MOVING FILES FROM S3 TO EC2 INSTANCE:

1. To check list of buckets: # aws s3 ls
2. To copy data from ec2 to s3: #aws s3 cp /root/awsfile.html s3://devopscls05
3. To copy data from s3 to ec2: #aws s3 sync s3://devopscls05/ /root/

# Copying an Amazon EBS Snapshot:

I understand that EBS Snapshots are actually backed by S3 - they just don't show up in a "normal" bucket.

The Console and CLI mechanisms that I see for copying snapshots seem to focus on copying a Snapshot from one region to another "as a snapshot", but not to S3 as an "arbitrary object".

Use Cases:

Geographic expansion: Launch your applications in a new region.

Migration: Move an application to a new region, to enable better availability and to minimize cost.

Disaster recovery: Back up your data and logs across different geographical locations at regular intervals. In case of disaster, you can restore your applications using point-in-time backups stored in the secondary region. This minimizes data loss and recovery time.

To copy a snap shoot using AWS CLI:

#aws --region us-east-1 ec2 copy-snapshot --source-region us-west-2 --source-snapshot-id snap-066877671789bd71b --description "This is my copied snapshot."

################ AWS CLI #################

AWS CLI is a unified tool for running and managing your various AWS services.

download and install the tool and you will be able to control multiple AWS services from the command line.

Creating an Instance:

#aws ec2 run-instances --image-id ami-9abea4fb --count 1 --instance-type t2. micro --key-name awsclidemokey --security-group-ids <your security group id here> --subnet-id <your subnet id here> --region <your region here>

##### Terminate Instances:

#aws ec2 terminate-instances --instance-ids <your instance id here> --region <your region here>

Create SG:

# aws ec2 create-security-group --group-name my-sg --description "My security group" --vpc-id <vpcid>