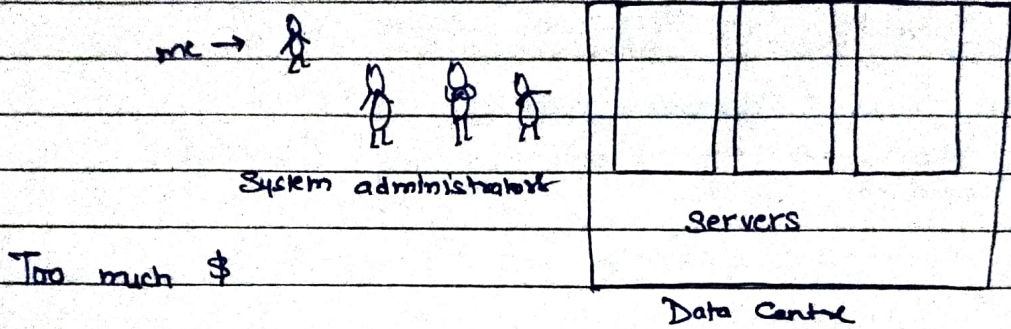


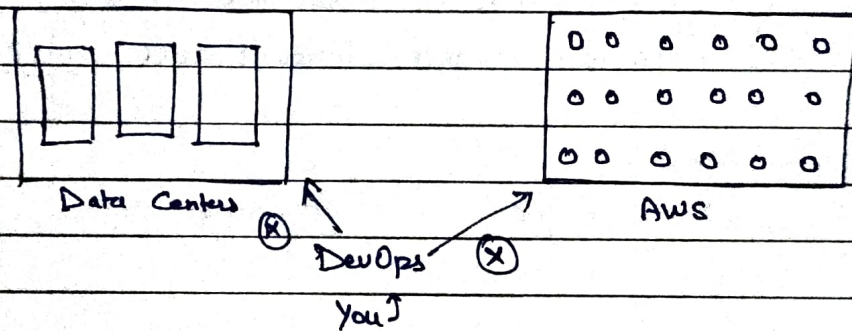
Cost Optimization project

⇒ How they use this project?
To optimize their cost infrastructure

1st Case



2nd Case Why these people need cost optimization system?



Listen here! The cloud cost will only down if you are using it in efficient way.

What does it mean bro?

Let me give you a basic example: Let's say there is a developer, you have granted this developer proper IAM access. Which means this developer can create an EC2 instance.

And this developer filled the EC2 instance with the information that is very information crucial. (sensitive)

So, what this person has done... he has taken backup each and every day.

So taking backup means taking the "Snapshots".

Story phase "2"

Now, after a while the developer said that "now I don't need this EC2, I think I should delete it" and this developer went ahead and deleted the EC2 instance and volumes as well.

And he forgotten to delete the Snapshots and AWS will keep charging the organization/company for the undeleted snapshots.

Another example is: If we stop using S3 bucket but forgotten to delete the snapshots and AWS's charges will go significantly high.

Now → The best solution is to send these careless developers a notification. Saying "snapshots kon delete karunga"?

So let's go!

So there are two possibilities and we will explore the second option which sending notification.

We will use ✓ Lambda functions with python code

✓ Boto3 module (it will talk to the AWS API's)

(And this bot will get all the information about EBS snapshot system)

✓ CloudWatch to trigger the lambda function.

Step 1: To fetch all the EBS snapshots

Step 2: To filter out the snapshots that are stale.

And once we identify we will delete them.