Python Script for Automated AWS Cost Optimization Develop a Python script that uses the AWS Cost Explorer API to analyze and optimize AWS spending by Identifying underutilized resources.

Requirements:

* Lambda
* EC2
* VPC
* IAM

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1. To take default VPC
2. Create an Ec2 instance on AWS console
3. Create snapshot
4. Create lambda function

Procedure for configure the project:

1. Take a default vpc
2. Create an Ec2 instance that instance name is cost-optimizer
3. Os - Aamzon linux

Instance type – t2.micro

Networking - vpc-0ef18f1548dc508df

* Subnet-No preference (default)
* Auto-assign public IP – Enable

Security – default

1. To create snapshot with the help of volume of Ec2
2. To create lambda function that function name is costoptimization function here use python in run-time
3. We have to copy the python script that script delete the inactive snapshots/ volumes of instance.
4. To deploy the code after that create event and test the code
5. To get error because here do not give PERMISSIONS to the default iam role here to give the administration-access.
6. Go to general configuration and edit the timeout 10 sec time
7. Again do test the code to get test is success
8. After that automatically deleted inactive snapshots and volumes
9. To automatically to optimize the cost of the aws cost explorer