AWS Resource Usage Report Using Shell Script

By Saidinesh Chirumavilla

- Step1: Login to AWS account and create EC2 instance and few S3 buckets for reporting purpose
- Step2: Connect to your EC2 instance using following commands in your terminal
     Ssh ubuntu@ipaddress
     Ssh -i/ (address of pem file) ubuntu@ipaddress
- Step3: Then authorize your system to get full access of AWS account.
     ubuntu@ip-address:~$ aws configure
     AWS Access Key ID [***************]: Enter access key ID
     AWS Secret Access Key [***************]: Enter secret Key
     Default region name [us]: Enter your region
     Default output format [json]: Enter your required output formate
     [Note- If you want to check wheather you have authorized or not just type
     command 'aws s3 ls' it should display your s3 buckets available]
- Step4: Now we need to write the script that generate resource usage of this aws account using shell script. For that we need to use Vim command
     Vim filename.sh
     Now click esc + I to get insert mode
- Step5: Now we write our scripting for reporting

```
#!/bin/bash


#Author: Saidinesh Chirumavilla
#Date: 12-21-2023
#version: Phase1


# This script will report the aws resource usage

#---------------------------------------------------------------------------

#AWS S3
#AWS EC2
#AWS Lambda
#AWS IAM Users

#list s3 buckets
echo"print list of s3 buckets"
aws s3 ls > resourcetracker


#list of ec2 instances
```

```
echo"print list of ec2 instances"
aws ec2 describe-instances | jq '.Reservations[].Instances[].InstanceId' >
resourcetracker


#list lambda functions
echo"print list of lambda functions"
aws lambda list-functions > resourcetracker


#list IAM users
echo"print list of IAM Users"
aws iam list-users > resourcetracker
```

- Step6: To get the output, enter   ./finename.sh

     Output: echo print list of s3 buckets

                2023-12-18 21:15:02 sample

                2023-12-21 04:35:08 tester1

                Echo print list of ec2 instances

                Instanceids

                Echo print list of lambda functions

                   "Functions": []

                Echo print list of IAM Users

                   "Users": []