Table of contents

Introduction to AWS-CLI :

- AWS-CLI is a utility created by AWS for users to interact with the AWS resrources programmatically
- This is a great way to be utilized in scripts-programs to automate the deployment and management of AWS infrastructure

Security credentials

- As we login to the console using email_id /password, similarly in order to interact with AWS-CLI , we need Access Key ID and Secret Access Key.
- These credentials contain all the account level information along permissions that a user has.
- Since these credentials can be used on local machine, or can be exposed very easily , as an admin we generally do not prefer generating them unless deemed very necessary

Fetching security credentials

- As of now , we have not seen IAM , hence we will test the CLI using root credetnials.
- Since root credentials have full ownership of the account , using them is never recomended in compay environment . In fact it is always a best practice to make sure root credentials are deleted.

1. Navigate to the home page of the AWS console

2. Click on the account name on the top right corner, and select My Security Credentials

3. This will take us to the IAM window. Click on the Access keys (access key ID and secret access key) and click on generate new access key.

4. Once generated , click on download key. This will download a csv file. Never share this with anyone.

Download AWS-CLI

- For windows users use below link to dowload the msi installer

```
https://awscli.amazonaws.com/AWSCLIV2.msi
```

- For linux use below commands to download and install AWS-CLI

```
curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
unzip awscliv2.zip
sudo ./aws/install
```

- Once installed use below command to check if it is installed properly.

```
aws --version
```

Configuring AWS-CLI

- In order to use the CLI , use below command

```
aws configure
```

- Enter the Access Key ID and Secret Access key which we downloaded from console.
- Enter default region that you are currently working in . ex. "us-east-1"
- Output format we can keep blank and hit enter.

Testing AWS-CLI

- Use below commands to test AWS-CLI

```
aws ec2 describe-intances
```

- Use and test different set of commands from below reference

```
"https://docs.aws.amazon.com/cli/latest/reference/ec2/"
```

faq

- If we are facing issues as access denied , configure the CLI again and make sure there are no spaces in between.
- Once done practicing , delete the credentials from the console
- Re run the installer or try different installer if we are getting unidentified command error for "aws configure"