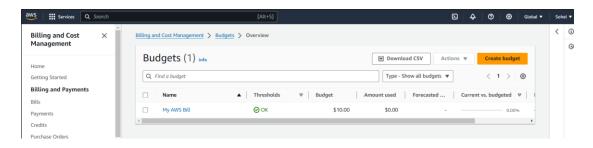
### **Assignment 1**

#### 1. Setup Billing Alarm

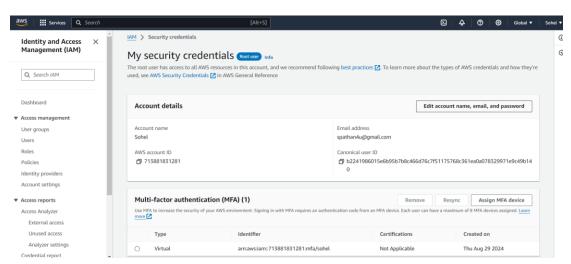
To set up a billing alarm in AWS, you will need to use the AWS Budgets service. This involves creating a budget that tracks your estimated charges, and then setting up an alert that sends you a notification if your charges exceed a defined threshold. For detailed steps, you can refer to the AWS documentation or online resources that explain how to navigate the AWS Billing and Cost Management console. Remember to double-check the steps and settings to ensure everything is configured correctly.



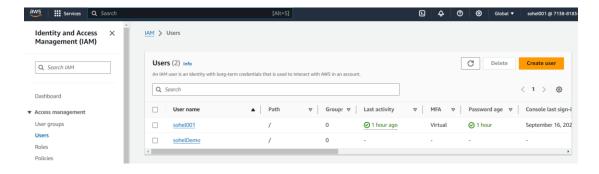
#### 2. Create linux EC2 instance LinuxVM-001



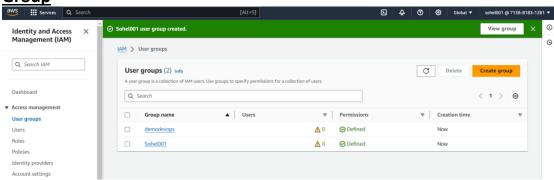
### 3. Setup MFA for root user



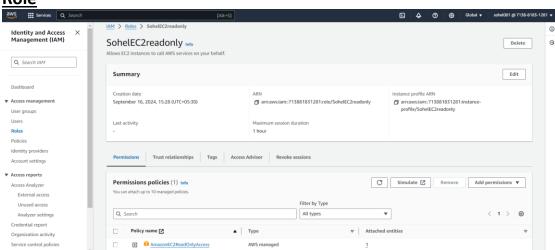
# 4. <u>Create User, Group Role using GUI</u> <u>User:</u>



<u>Group</u>



Role

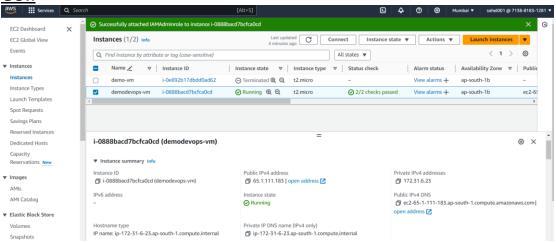


#### 5. Create Role Group using CLI

#### Group

```
C:\Users\patha>aws iam create-group --group-name fusion
{
    "Group": {
        "Path": "/",
        "GroupName": "fusion",
        "GroupId": "AGPA2MNVMI5YRYT5L4VBR",
        "Arn": "arn:aws:iam::713881831281:group/fusion",
        "CreateDate": "2024-09-16T10:23:39+00:00"
    }
}
```

#### **GUI:**



## 7. Attach role and secret access key to the instance Attach role to the instance

```
ec2-user@ip-172-31-6-23:~
                                                                    X
 login as: ec2-user
 Authenticating with public key "soheldemo-001"
ast login: Mon Sep 16 11:01:01 2024 from 152.57.2.140
       ####
                   Amazon Linux 2
      #####\
       \###|
                   AL2 End of Life is 2025-06-30.
         \#/
              T->
                   A newer version of Amazon Linux is available!
                   Amazon Linux 2023, GA and supported until 2028-03-15.
                     https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-6-23 ~]$ configure list
-bash: configure: command not found
ec2-user@ip-172-31-6-23 ~]$ aws configure list
                           Value
    Name
                                            Type
                                                    Location
 profile
                       <not set>
                                            None
                                                    None
             ccess_key
                                         iam-role
             secret_key
                                         iam-role
                        <not set>
   region
                                             None
                                                    None
```

#### Attach secret key and access key to the instance

```
[root@ip-172-31-6-23 ~]# aws configure list
     Name
                             Value
                                                Type
                                                        Location
  profile
                         <not set>
                                                None
              *************CEE7 shared-credentials-file
access key
              ********************H7dD shared-credentials-file
secret_key
                        ap-south-1
   region
                                         config-file
                                                       ~/.aws/config
root@ip-172-31-6-23 ~1#
```