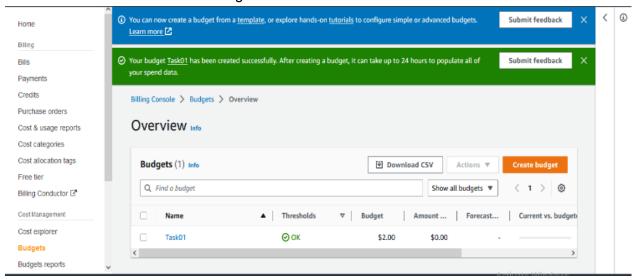
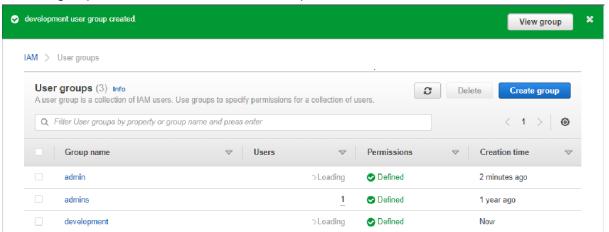
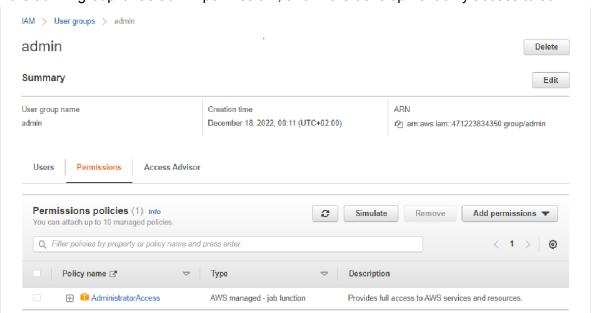
## 1- Create aws account and set billing alarm



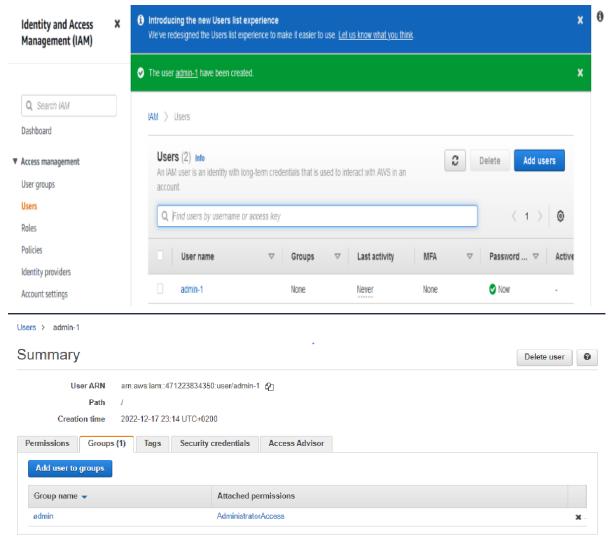
## create 2 groups one admin and one for development



## in the admin group it has admin permission, and in the development only access to s3



## create admin-1 user console access and mfa enabled



and admin2-prog with cli access only and list all users and groups using it commands not console

```
E
                                           root@localhost:~
                                                                                                   ×
 File Edit View Search Terminal Help
[root@localhost ~]# aws iam list-users --profile=sprints
     "Users": [
              "Path": "/",
"UserName": "admin-1",
"UserId": "AIDA5HNCVWSGBGNGRUHCA",
"Arn": "arn:aws:iam::909263615116:user/admin-1",
               "CreateDate": "2022-12-18T12:59:47+00:00"
              "Path": "/",
"UserName": "admin2-prog",
"UserId": "AIDA5HNCVWSGHL4H6ZLAK",
               "Arn": "arn:aws:iam::909263615116:user/admin2-prog",
               "CreateDate": "2022-12-19T08:14:53+00:00"
              "Path": "/",
"UserName": "test-sprints-console",
               "UserId": "AIDA5HNCVWSGIRKMADHCF",
               "Arn": "arn:aws:iam::909263615116:user/test-sprints-console",
              "CreateDate": "2022-12-18T11:49:03+00:00",
"PasswordLastUsed": "2022-12-19T08:05:09+00:00"
:...skipping...
 2
                                           root@localhost:~
                                                                                                   x
File Edit View Search Terminal Help
[root@localhost ~]# aws iam list-groups --profile=sprints
     "Groups": [
         {
               "Path": "/",
               "GroupName": "Admin",
               "GroupId": "AGPA5HNCVWSGGFD3BK4AC",
               "Arn": "arn:aws:iam::909263615116:group/Admin",
```

"CreateDate": "2022-12-18T12:54:50+00:00"

"CreateDate": "2022-12-18T12:56:25+00:00"

"Arn": "arn:aws:iam::909263615116:group/development",

}, {

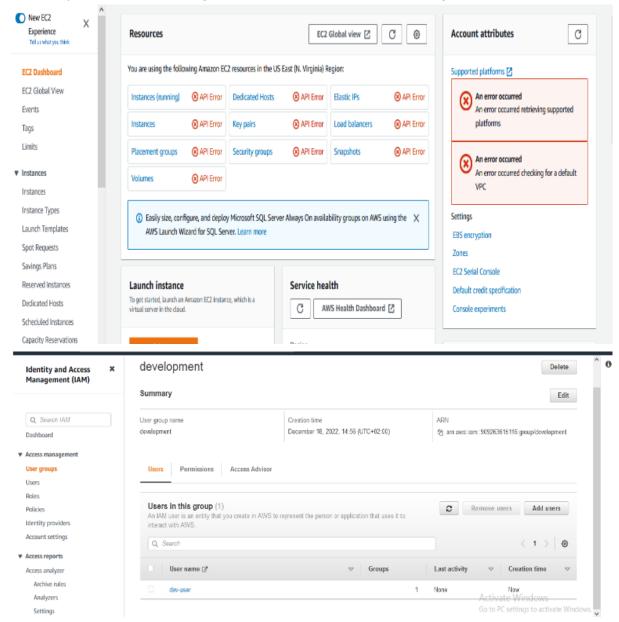
}

"Path": "/",

"GroupName": "development",

"GroupId": "AGPA5HNCVWSGEWASVUDQM",

in the development group create user with name dev-user with programmatic and.Admin access try to access aws using it (take a screenshot from accessing ec2 and s3 console)



Also access cli using it and try to get all users and groups using it

```
File Edit View Search Terminal Help

[root@localhost ~]# aws iam list-groups --profile=sprints2

An error occurred (AccessDenied) when calling the ListGroups operation: User: ar n:aws:iam::909263615116:user/dev-user is not authorized to perform: iam:ListGroups on resource: arn:aws:iam::909263615116:group/ because no identity-based policy allows the iam:ListGroups action

[root@localhost ~]#

[root@localhost ~]#
```