BY Sabreen Salama

AWS LAB1:

1- Create aws account and set billing alarm

2-

- 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 in admin group
- and admin2-prog with cli access only and list all users and groups using commands not console
- in the development group create user with name dev-user with programmatic and console access then try to access aws using it (take a screenshot from accessing ec2 and s3 console)
- Also access cli using dev-user and try to get all users and groups using it

Required:

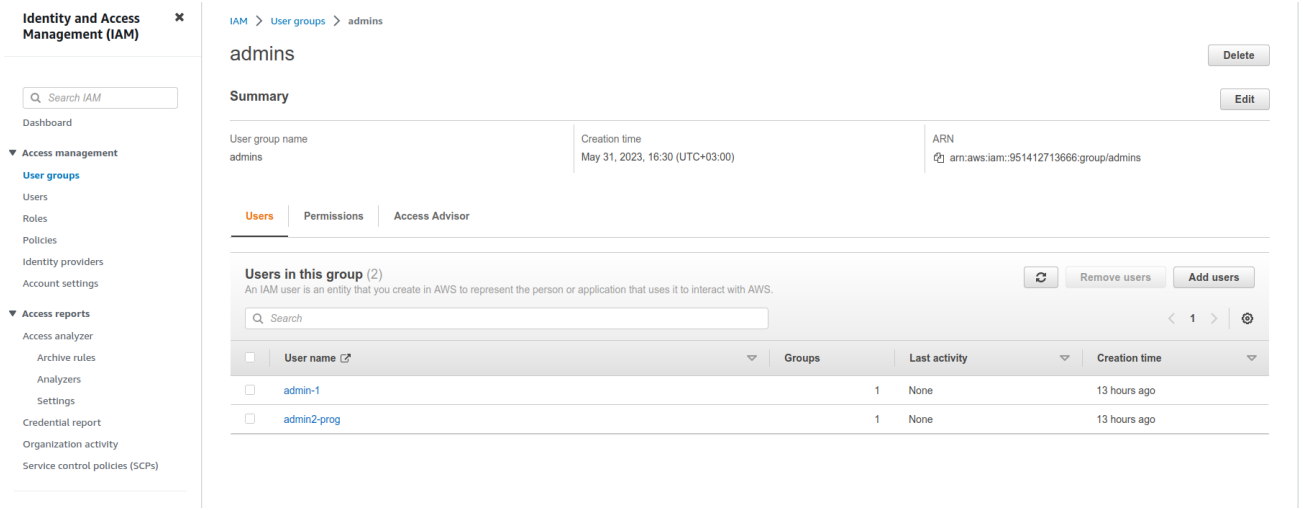
Screenshot from each group with users and permissions attached to it

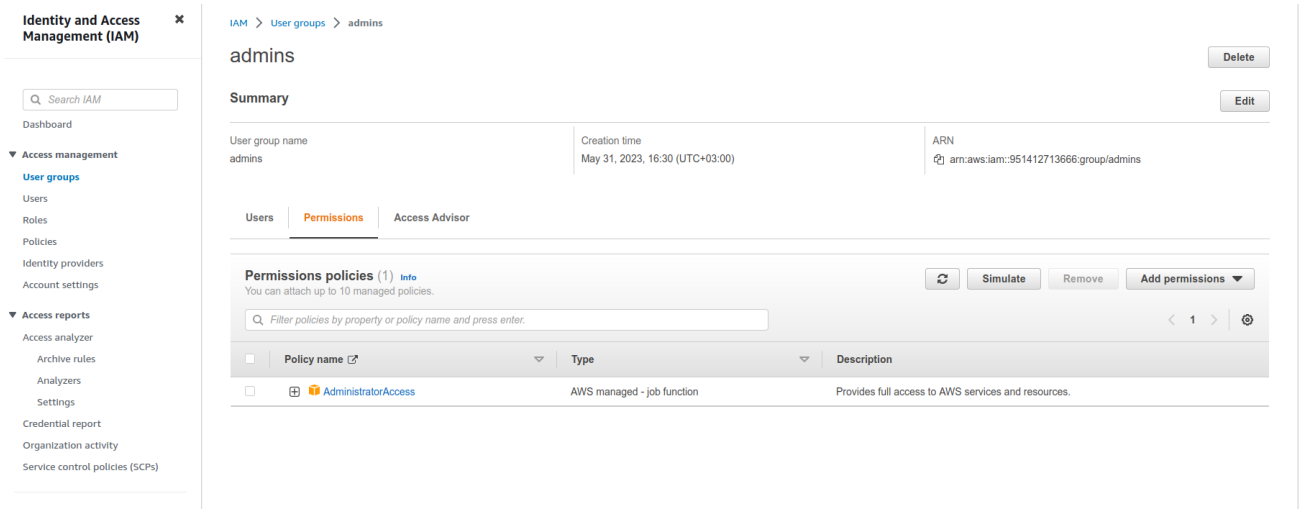
Screenshot from using dev-user to access ec2 and s3 from console

Screenshot from listing users and groups using admin2-prog

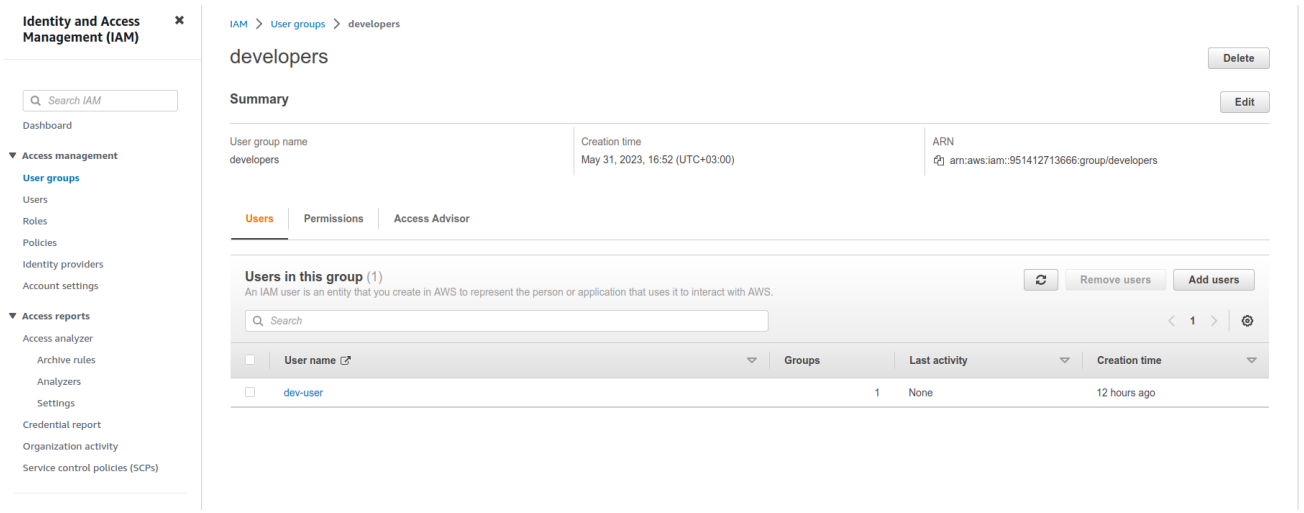
Screenshot from listing users and groups using dev-users

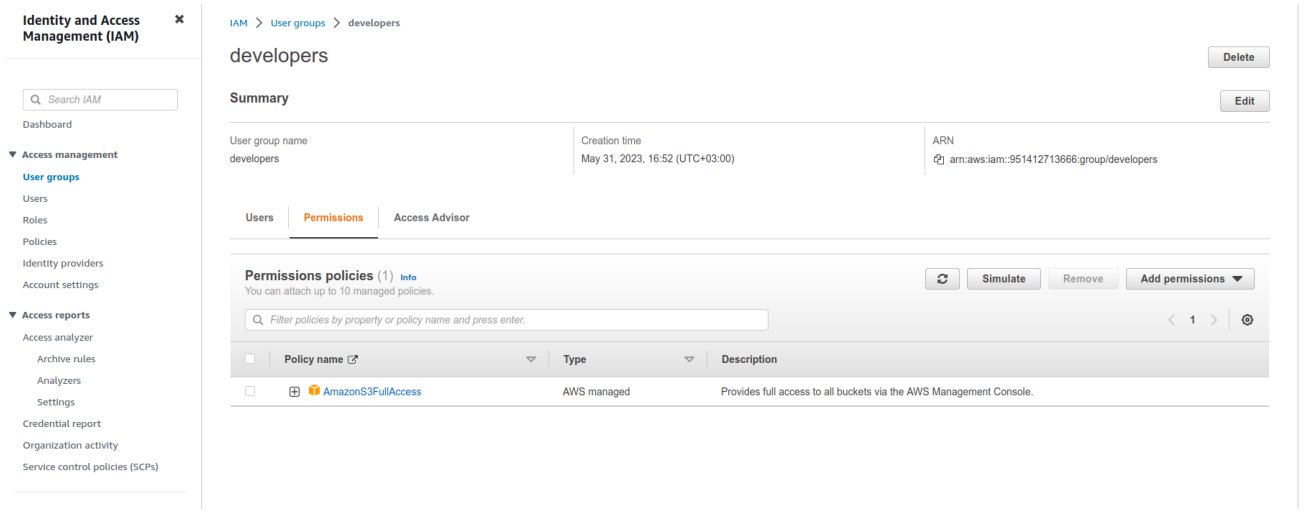
1) Group admins:



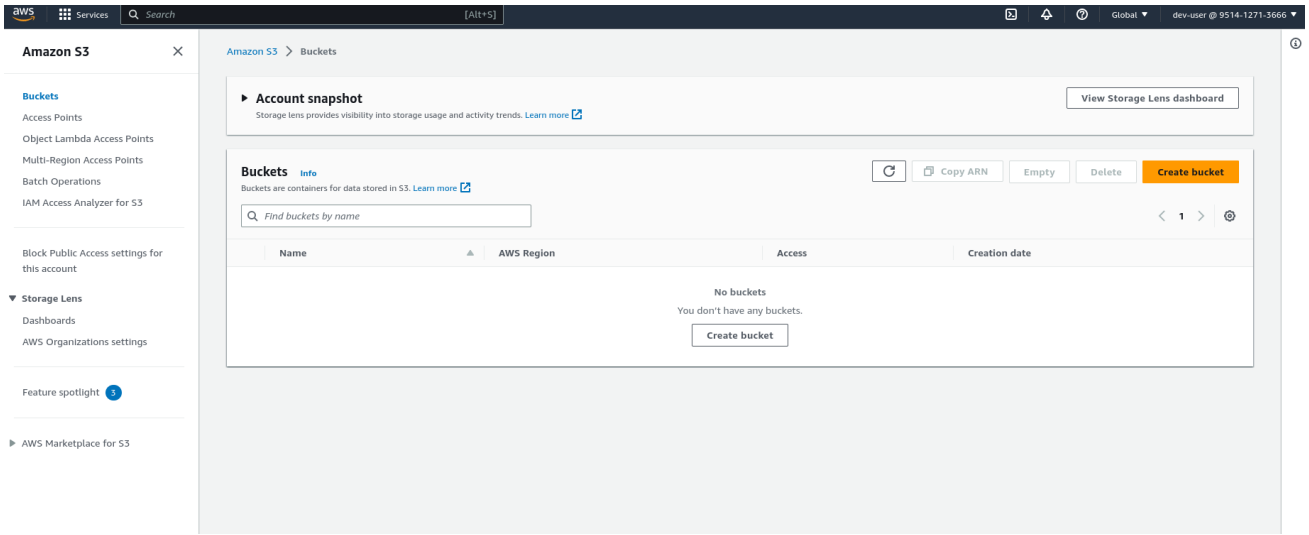


2) Group developers:

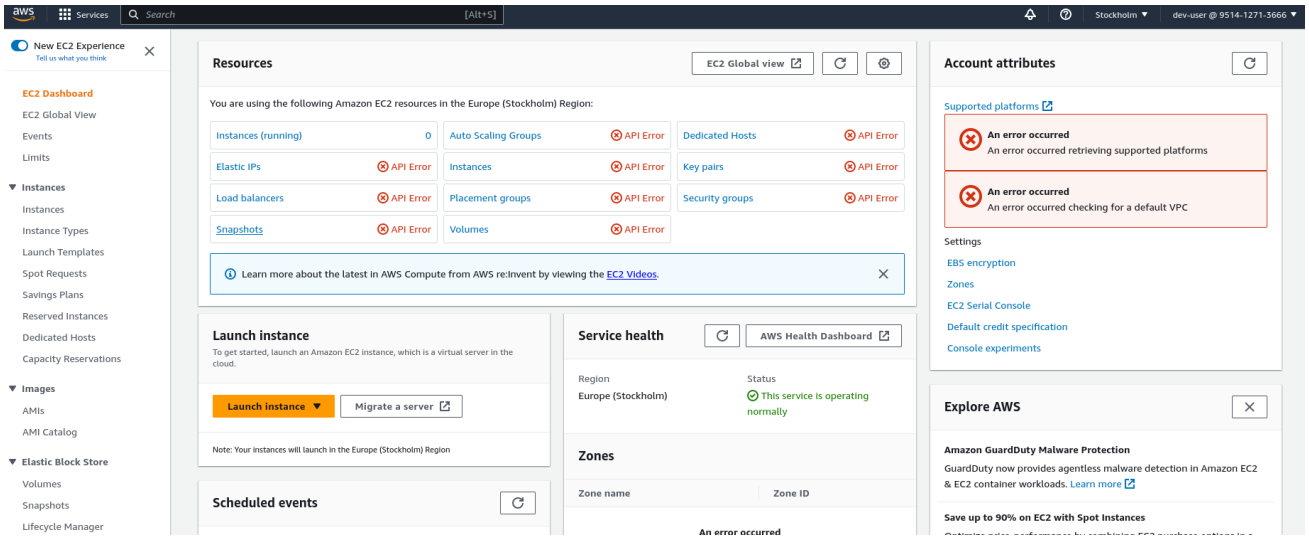




3) Dev-user accessing s3



4) Dev-user trying to access ec2



5) Listing users and groups using admin2-prog

```
~
heba@heba-HP-ProBook-450-G4:~$ aws iam get-user --query 'User.UserName' --output text
admin2-prog
heba@heba-HP-ProBook-450-G4:~$ aws iam list-users
{
    "Users": [
        {
            "Path": "/",
            "UserName": "admin-1",
            "UserId": "AIDA53BE55DBKQT36BDK3",
            "Arn": "arn:aws:iam::951412713666:user/admin-1",
            "CreateDate": "2023-05-31T13:33:51+00:00"
        },
        {
            "Path": "/",
            "UserName": "admin2-prog",
            "UserId": "AIDA53BE55DBKTIHYWNYJ",
            "Arn": "arn:aws:iam::951412713666:user/admin2-prog",
            "CreateDate": "2023-05-31T13:42:34+00:00"
        },
        {
            "Path": "/",
            "UserName": "dev-user",
            "UserId": "AIDA53BE55DBGNXZO54JF",
            "Arn": "arn:aws:iam::951412713666:user/dev-user",
            "CreateDate": "2023-05-31T13:54:22+00:00",
            "PasswordLastUsed": "2023-06-01T02:53:35+00:00"
        }
    ]
}
```

6) Listing users and groups using dev-user

```
heba@heba-HP-ProBook-450-G4:~$ aws iam get-user --query 'User.UserName' --output text

An error occurred (AccessDenied) when calling the GetUser operation: User: arn:aws:iam::951412713666:user/dev-user is not authorized to perform: iam:GetUser on resource: user dev-user
 because no identity-based policy allows the iam:GetUser action
heba@heba-HP-ProBook-450-G4:~$ aws iam list-users

An error occurred (AccessDenied) when calling the ListUsers operation: User: arn:aws:iam::951412713666:user/dev-user is not authorized to perform: iam:ListUsers on resource: arn:aws:i
am::951412713666:user/ because no identity-based policy allows the iam:ListUsers action
heba@heba-HP-ProBook-450-G4:~$
```