
# Discipline

## Working with CLI

## CS5002

Activity-5

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## ❖ Problem Statement:

Create a new IAM User Using CLI, add him to an existing IAM User Group and Attached a Custom policy to it.

## ❖ Solution:

Step1) Open windows CLI and type:

- **aws configure**

Step2) Enter the **Access Key, Secret Key, Default Region** and **format.**

```
C:\Users\Sheikh Tadeeb>aws configure
AWS Access Key ID [None]: AKIASAA3NPTRSX3C7B4C
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json

C:\Users\Sheikh Tadeeb>aws s3 ls
```

Step3) Check existing users using **aws iam list-users** and Create IAM user using: **aws iam create-user –user-name my-user2**

```
C:\Users\Sheikh Tadeeb>aws iam list-users
{
    "Users": [
        {
            "Path": "/",
            "UserName": "administrator",
            "UserId": "AIDASAA3NPTRXZ4GNCCQN",
            "Arn": "arn:aws:iam::137496460515:user/administrator",
            "CreateDate": "2021-09-15T09:40:13+00:00",
            "PasswordLastUsed": "2021-09-20T03:14:39+00:00"
        },
        {
            "Path": "/",
            "UserName": "lms-s3admin",
            "UserId": "AIDASAA3NPTR57WZG5ZFW",
            "Arn": "arn:aws:iam::137496460515:user/lms-s3admin",
            "CreateDate": "2021-09-16T02:42:19+00:00"
        },
        {
            "Path": "/",
            "UserName": "lms-student",
            "UserId": "AIDASAA3NPTRYS62IU6KX",
            "Arn": "arn:aws:iam::137496460515:user/lms-student",
            "CreateDate": "2021-09-16T02:58:33+00:00"
        },
        {
            "Path": "/",
            "UserName": "my-user1",
            "UserId": "AIDASAA3NPTRZL6C2G2AC",
            "Arn": "arn:aws:iam::137496460515:user/my-user1",
            "CreateDate": "2021-09-15T13:18:25+00:00",
            "PasswordLastUsed": "2021-09-15T17:15:02+00:00"
        }
    ]
}


C:\Users\Sheikh Tadeeb>
```

```
C:\Users\Sheikh Tadeeb>aws iam create-user --user-name my-user2
{
    "User": {
        "Path": "/",
        "UserName": "my-user2",
        "UserId": "AIDASAA3NPTRXT5Z6GHYT",
        "Arn": "arn:aws:iam::137496460515:user/my-user2",
        "CreateDate": "2021-09-20T08:19:54+00:00"
    }
}

C:\Users\Sheikh Tadeeb>
```

Step4) First check for existing groups using

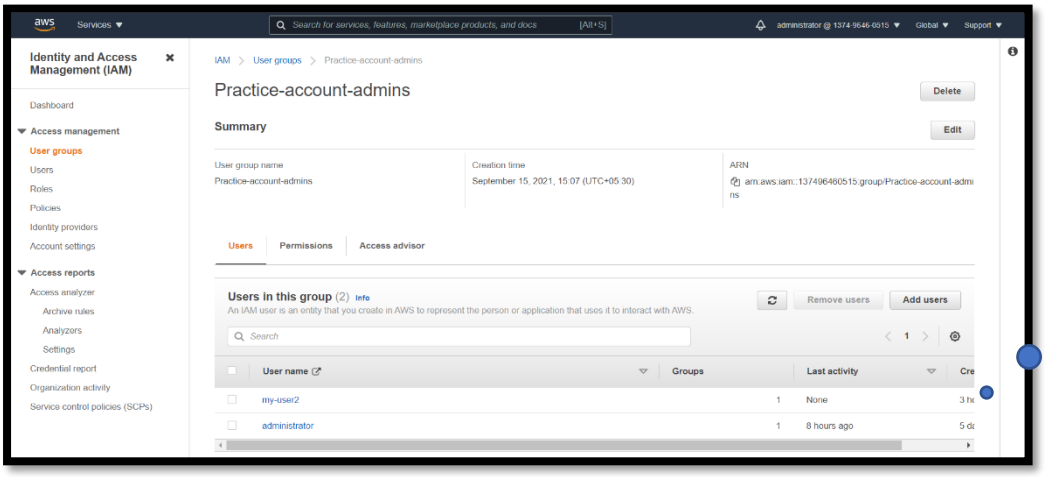
- **aws iam list-groups**

```
C:\Users\Sheikh Tadeeb>aws iam list-groups
{
    "Groups": [
        {
            "Path": "/",
            "GroupName": "Practice-account-admins",
            "GroupId": "AGPASAA3NPTR2AP4QT4LD",
            "Arn": "arn:aws:iam::137496460515:group/Practice-account-admins",
            "CreateDate": "2021-09-15T09:37:00+00:00"
        }
    ]
}
```

Step5) Add user to an existing group using

- **aws iam add-user-to-group --group-name Practice-account-admins --user-name my-user2**

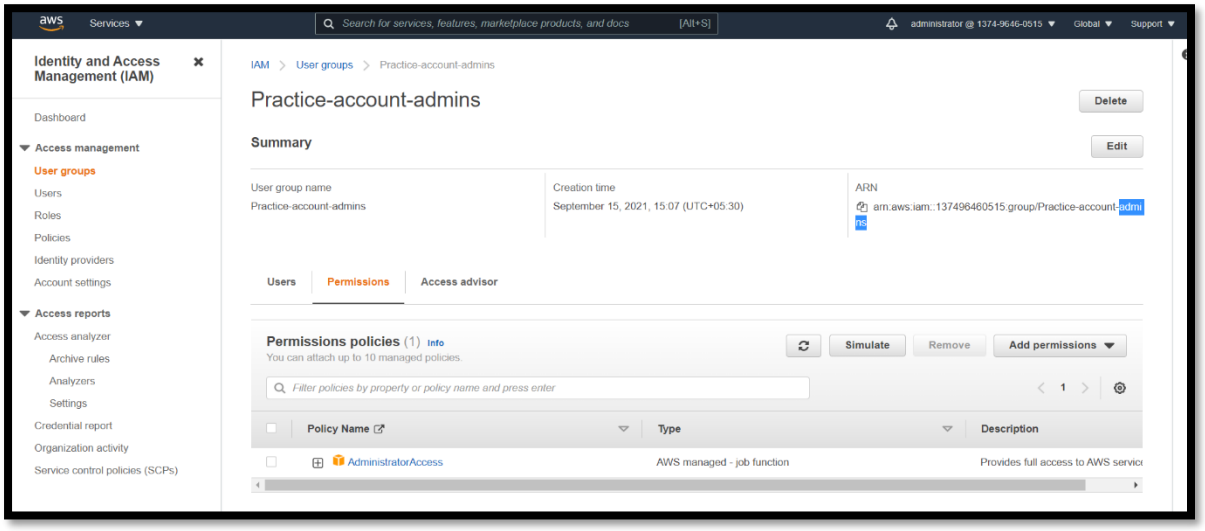
```
C:\Users\Sheikh Tadeeb>aws iam add-user-to-group --group-name Practice-account-admins --user-name my-user2

C:\Users\Sheikh Tadeeb>
```




The User has been added to the group

Step6) Now we will attach a custom policy to our group in which we added our new user.

- Below image shows the state before attaching any custom policy.




- **aws iam attach-group-policy --group-name Practice-account-admins --policy-arn arn:aws:iam::137496460515:policy/CustomPolicyForReadAccess**

```
C:\Users\Sheikh Tadeeb>aws iam attach-group-policy --group-name Practice-account-admins --policy-arn arn:aws:iam::1374964605
15:policy/CustomPolicyForReadAccess

C:\Users\Sheikh Tadeeb>
```

- Below image shows the state after attaching any custom policy.