AWS_IAM_2

Creating user and assigning them to groups using AWS CLI

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To install AWS CLI on your local machine(Windows), first go to
https://docs.aws.amazon.com/cli/latest/userguide/install-windows.html and then navigate to
windows section and select the installer that you want

Install and update the AWS CLI version 1 using the MSI installer

Check the Releases 🗗 page on GitHub to see when the latest version was released. When
updates are released, you must repeat the installation process to get the latest version of
the AWS CLI version 1.

1. Download the appropriate MSI installer:
   - AWS CLI MSI installer for Windows (64-bit): https://s3.amazonaws.com/aws-cli/AWSCLI64PY3.msi 🗗
   - AWS CLI MSI installer for Windows (32-bit): https://s3.amazonaws.com/aws-cli/AWSCLI32PY3.msi 🗗
   - AWS CLI combined setup file for Windows: https://s3.amazonaws.com/aws-cli/AWSCLISetup.exe 🗗 (includes both the 32-bit and 64-bit MSI installers, and automatically installs the correct version)

2. Run the downloaded MSI installer or the setup file.

3. Follow the on-screen instructions. By default, the AWS CLI version 1 installs to
   `C:\Program Files\Amazon\AWSCLI` (64-bit version) or `C:\Program Files (x86)\Amazon\AWSCLI` (32-bit version).

Here we have downloaded the AWS CLI MSI installer for windows(64-bit) and then
successfully installed it on our machine and then run **aws --version** on your command
prompt fo confirmation of the installation

```
        aws --version
aws-cli/2.2.13 Python/3.8.8 Windows/10 exe/AMD64 prompt/off
```

Now to create an **IAM group** and add a **new IAM user** to it

```
                 aws iam create-group --group-name developers_aws
{
    "Group": {
        "Path": "/",
        "GroupName": "developers_aws",
        "GroupId": "AGPA3Y4ZL2R4C74XPE74R",
        "Arn": "arn:aws:iam::809386103928:group/developers_aws",
        "CreateDate": "2021-07-19T13:37:36+00:00"
    }
}
```

Now to **create a new user**

```
                 aws iam create-user --user-name test_user_one
{
    "User": {
        "Path": "/",
        "UserName": "test_user_one",
        "UserId": "AIDA3Y4ZL2R4ERBPAD54C",
        "Arn": "arn:aws:iam::809386103928:user/test_user_one",
        "CreateDate": "2021-07-19T13:39:20+00:00"
    }
}
```

Now to add the created user **test_user_one** to the group **developers_aws**

```
 aws iam add-user-to-group --user-name test_user_one --group-name developers_aws
```

To check about the created user and group

```
                 aws iam get-group --group-name developers_aws
{
    "Users": [
        {
            "Path": "/",
            "UserName": "test_user_one",
            "UserId": "AIDA3Y4ZL2R4ERBPAD54C",
            "Arn": "arn:aws:iam::809386103928:user/test_user_one",
            "CreateDate": "2021-07-19T13:39:20+00:00"
        }
    ],
    "Group": {
        "Path": "/",
        "GroupName": "developers_aws",
        "GroupId": "AGPA3Y4ZL2R4C74XPE74R",
        "Arn": "arn:aws:iam::809386103928:group/developers_aws",
        "CreateDate": "2021-07-19T13:37:36+00:00"
    }
}
```
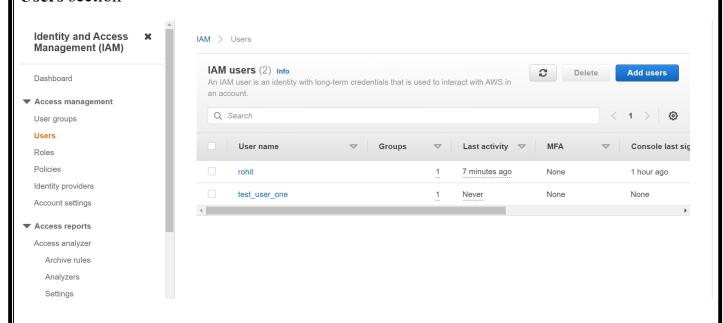
We can also verify it in the **AWS console** by navigating into the **IAM console** and under the **Users** section

Also we can list the group that we created by navigating to the **groups** section