S_AWS_01 Intro To Cloud And Iam Service

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JUNE 2023

AWS – DEVOPS

S_AWS_01 Intro To Cloud And Iam Service: Lab 1:

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

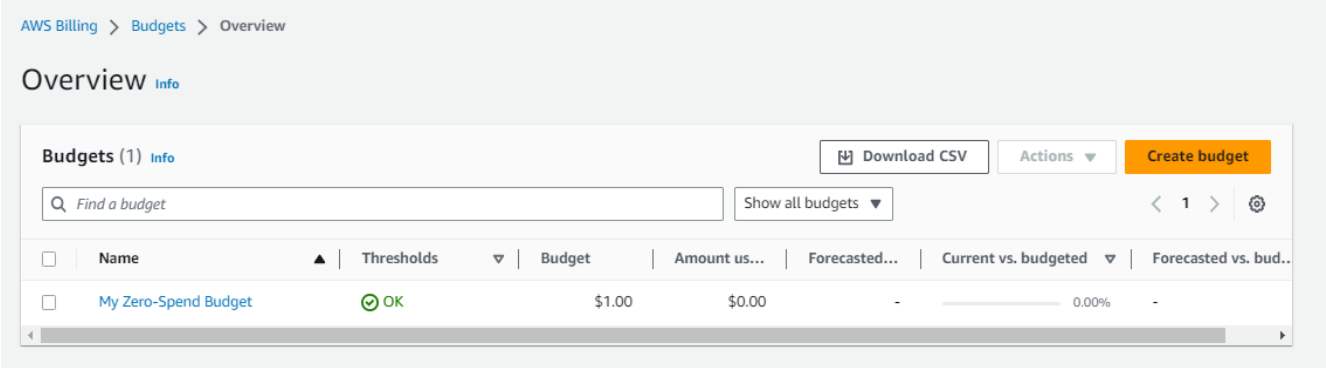
Required:

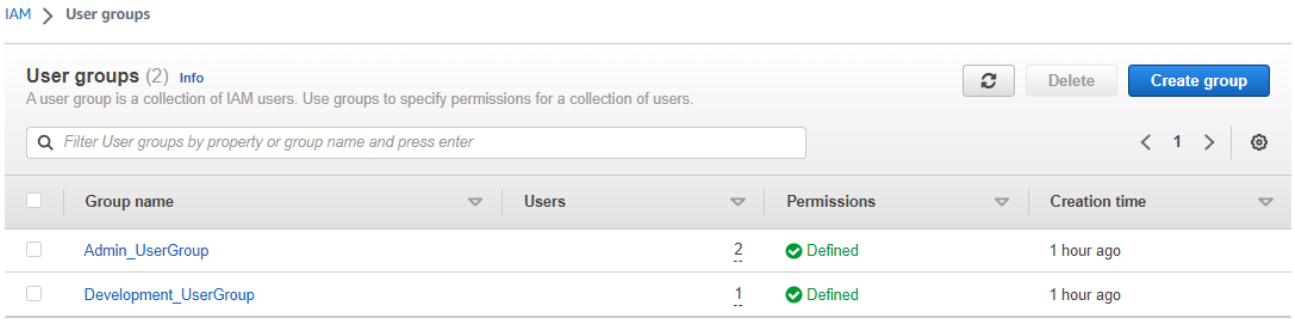
Screenshot from each group with users and permissions attached to it

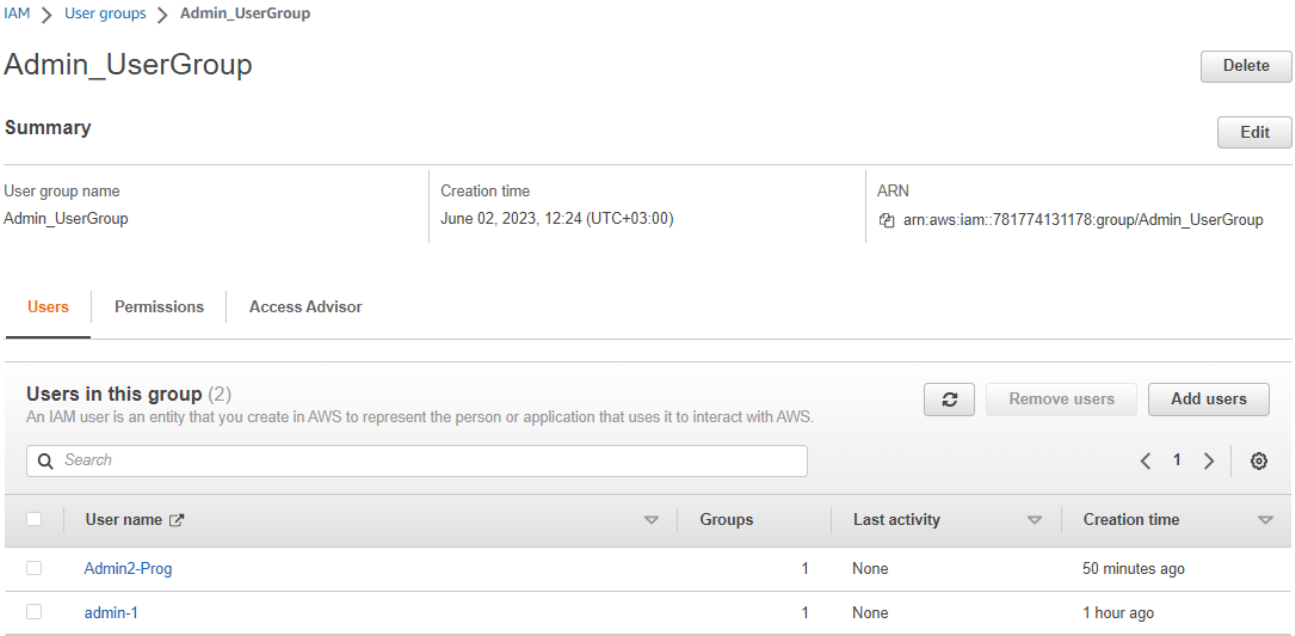
Screenshot from using dev-user to access ec2 and s3 from console

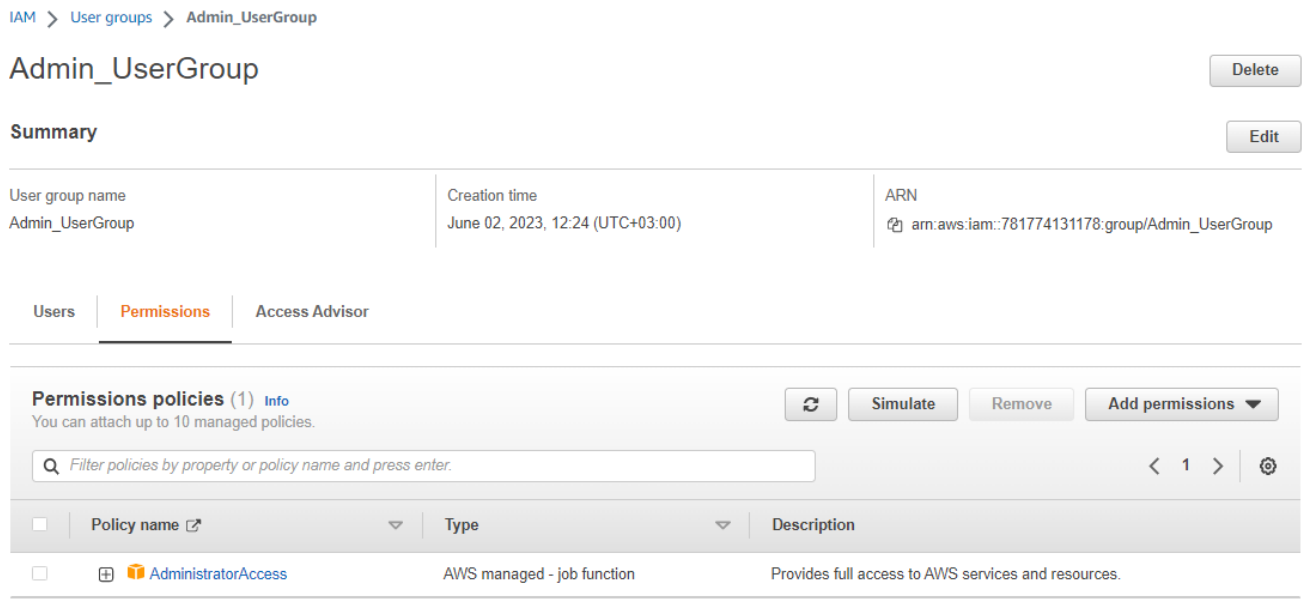
Screenshot from listing users and groups using admin2-prog

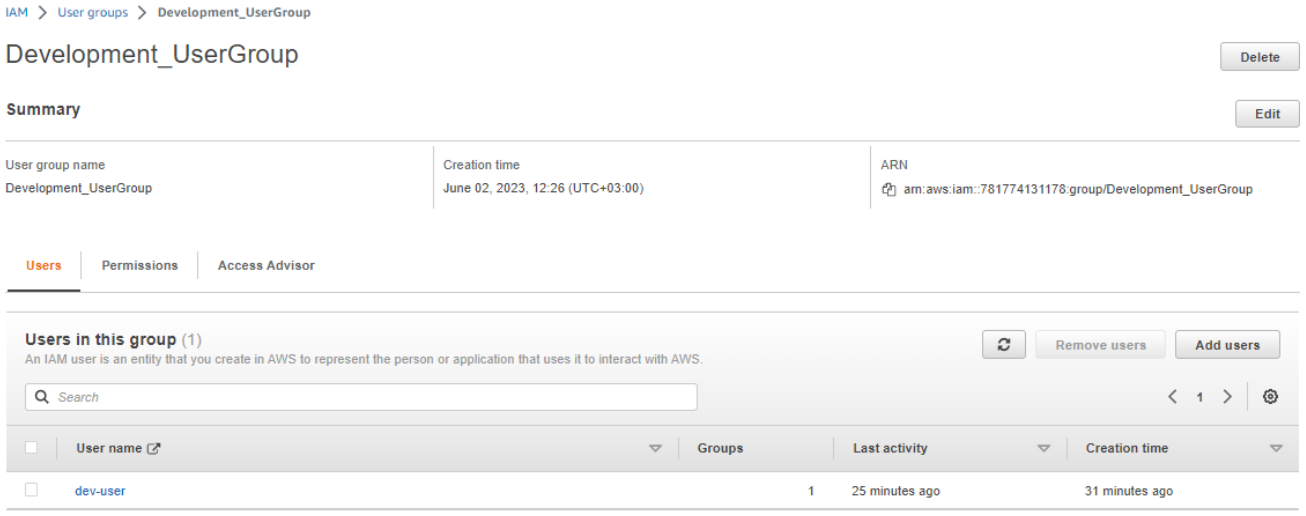
Screenshot from listing users and groups using dev-users

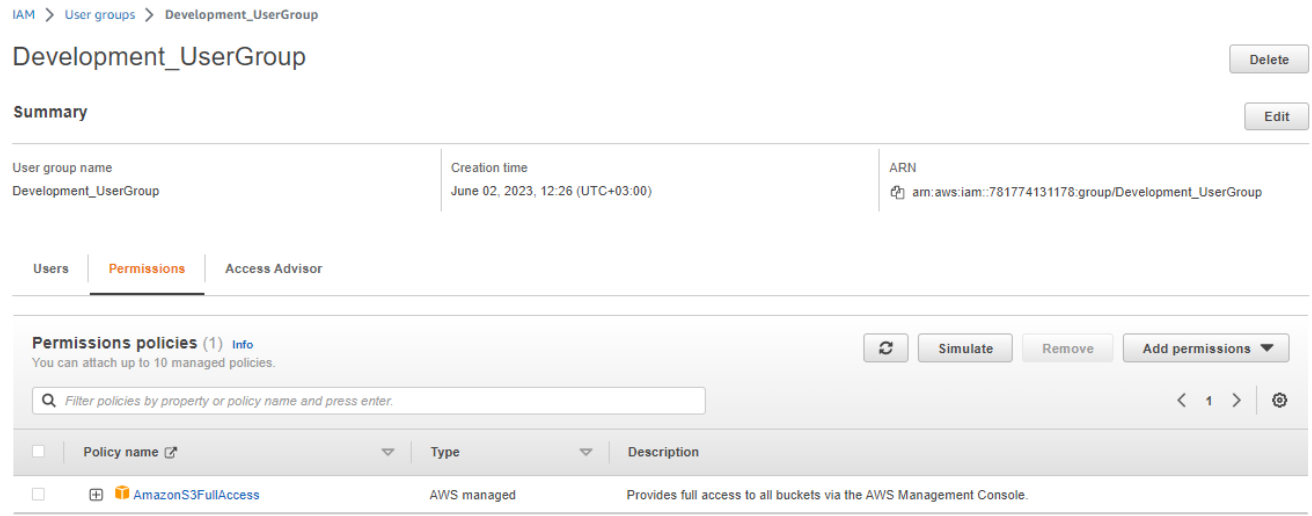

AWS Billing > Budgets > Overview
Overview Info
Budgets (1) Info
Download CSV
Actions
Create budget
Find a budget
Show all budgets
Name
Thresholds
Budget
Amount us...
Forecasted...
Current vs. budgeted
Forecasted vs. bud..
My Zero-Spend Budget
OK
$1.00
$0.00
-
0.00%
-

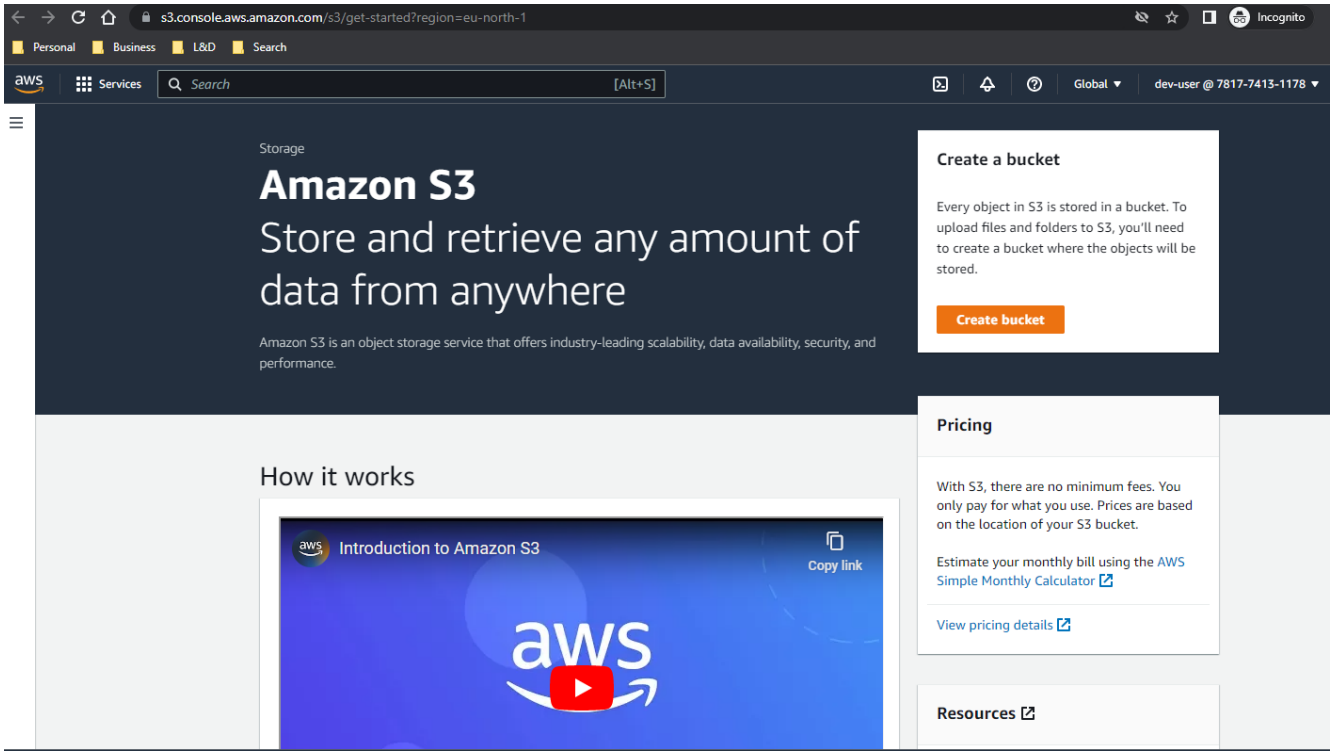

IAM > User groups
User groups (2) Info
A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.
Delete
Create group
Filter User groups by property or group name and press enter
Group name
Users
Permissions
Creation time
Admin_UserGroup
2
Defined
1 hour ago
Development_UserGroup
1
Defined
1 hour ago

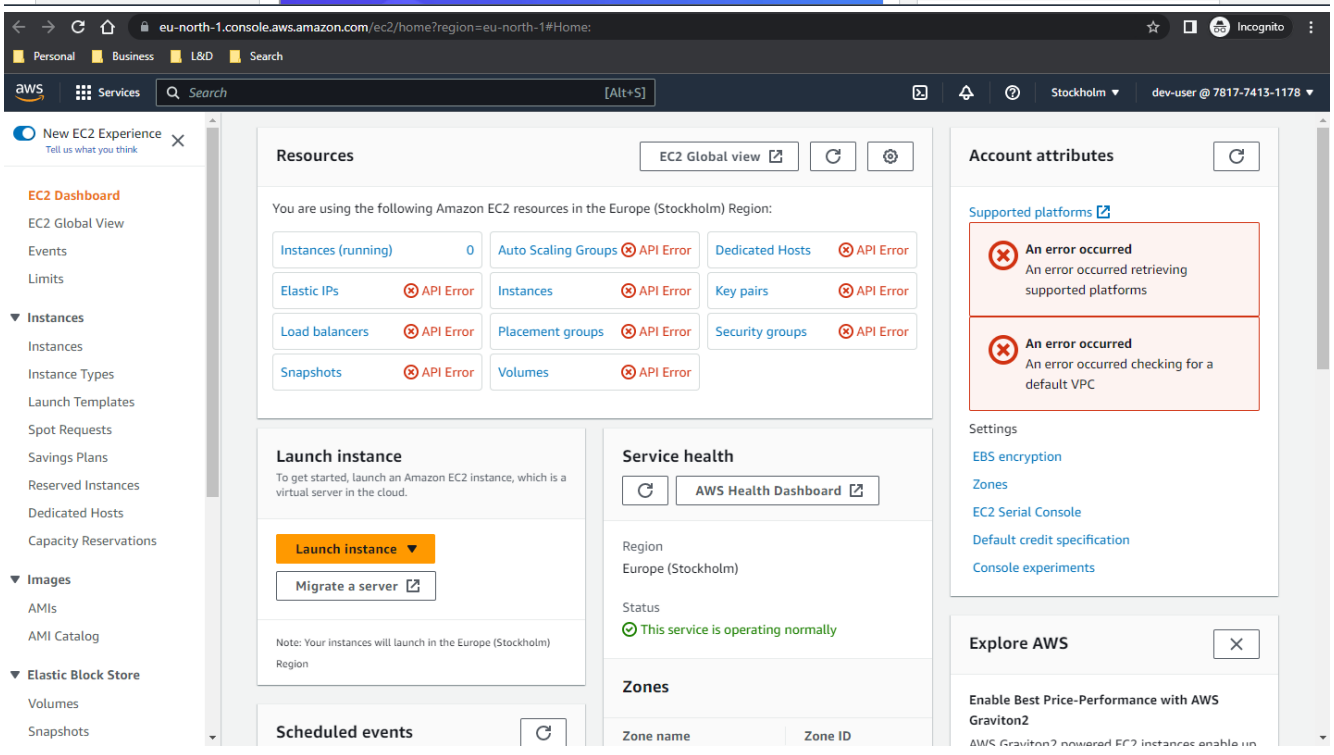

IAM > User groups > Admin_UserGroup
Admin_UserGroup
Delete
Summary
Edit
User group name
Admin_UserGroup
Creation time
June 02, 2023, 12:24 (UTC+03:00)
ARN
arn:aws:iam::781774131178:group/Admin_UserGroup
Users
Permissions
Access Advisor
Users in this group (2)
An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.
Remove users
Add users
Search
User name
Groups
Last activity
Creation time
Admin2-Prog
1
None
50 minutes ago
admin-1
1
None
1 hour ago


IAM > User groups > Admin_UserGroup
Admin_UserGroup
Delete
Summary
Edit
User group name
Admin_UserGroup
Creation time
June 02, 2023, 12:24 (UTC+03:00)
ARN
arn:aws:iam::781774131178:group/Admin_UserGroup
Users
Permissions
Access Advisor
Permissions policies (1) Info
You can attach up to 10 managed policies.
Simulate
Remove
Add permissions
Filter policies by property or policy name and press enter.
1
Policy name
Type
Description
AdministratorAccess
AWS managed - job function
Provides full access to AWS services and resources.


IAM > User groups > Development_UserGroup
Development_UserGroup
Delete
Summary
Edit
User group name
Development_UserGroup
Creation time
June 02, 2023, 12:26 (UTC+03:00)
ARN
arn:aws:iam::781774131178:group/Development_UserGroup
Users
Permissions
Access Advisor
Users in this group (1)
An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.
Remove users
Add users
Search
1
User name
Groups
Last activity
Creation time
dev-user
1
25 minutes ago
31 minutes ago


IAM > User groups > Development_UserGroup
Development_UserGroup
Delete
Summary
Edit
User group name
Development_UserGroup
Creation time
June 02, 2023, 12:26 (UTC+03:00)
ARN
arn:aws:iam::781774131178:group/Development_UserGroup
Users
Permissions
Access Advisor
Permissions policies (1) Info
You can attach up to 10 managed policies.
Simulate
Remove
Add permissions
Filter policies by property or policy name and press enter.
1
Policy name
Type
Description
AmazonS3FullAccess
AWS managed
Provides full access to all buckets via the AWS Management Console.


s3.console.aws.amazon.com/s3/get-started?region=eu-north-1
Incognito
Personal
Business
L&D
Search
aws
Services
Search
[Alt+S]
Global
dev-user @ 7817-7413-1178
Storage
Amazon S3
Store and retrieve any amount of data from anywhere
Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.
Create a bucket
Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.
Create bucket
Pricing
With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.
Estimate your monthly bill using the AWS Simple Monthly Calculator
View pricing details
Resources
How it works
Introduction to Amazon S3
Copy link


eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Home:
Incognito
Personal
Business
L&D
Search
aws
Services
Search
[Alt+S]
Stockholm
dev-user @ 7817-7413-1178
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Resources
EC2 Global view
You are using the following Amazon EC2 resources in the Europe (Stockholm) Region:
Instances (running) 0
Auto Scaling Groups API Error
Dedicated Hosts API Error
Elastic IPs API Error
Instances API Error
Key pairs API Error
Load balancers API Error
Placement groups API Error
Security groups API Error
Snapshots API Error
Volumes API Error
Launch instance
To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.
Launch instance
Migrate a server
Note: Your instances will launch in the Europe (Stockholm) Region
Service health
AWS Health Dashboard
Region
Europe (Stockholm)
Status
This service is operating normally
Zones
Zone name
Zone ID
Scheduled events
Account attributes
Supported platforms
An error occurred
An error occurred retrieving supported platforms
An error occurred
An error occurred checking for a default VPC
Settings
EBS encryption
Zones
EC2 Serial Console
Default credit specification
Console experiments
Explore AWS
Enable Best Price-Performance with AWS Graviton2

```
kdawoud@k:~$ aws configure
AWS Access Key ID [****************KUXA]: AKIA3MBK6R7VNO53SI4X
AWS Secret Access Key [****************mA0t]: 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
Default region name [eu-north-1]: eu-north-1
Default output format [text]: text
kdawoud@k:~$ aws iam list-users
USERS   arn:aws:iam::781774131178:user/admin-1  2023-06-02T09:30:53Z            /       AIDA3MBK6R7VMPO4D2BFK   admin-1
USERS   arn:aws:iam::781774131178:user/Admin2-Prog      2023-06-02T09:48:47Z            /       AIDA3MBK6R7VDYLZIIHRK   Admin2-Prog
USERS   arn:aws:iam::781774131178:user/dev-user 2023-06-02T10:11:55Z    2023-06-02T11:21:24Z    /       AIDA3MBK6R7VL3S2Z5YY2   dev-user
kdawoud@k:~$ aws iam list-groups
GROUPS  arn:aws:iam::781774131178:group/Admin_UserGroup 2023-06-02T09:24:00Z    AGPA3MBK6R7VI76ZYN7P4   Admin_UserGroup /
GROUPS  arn:aws:iam::781774131178:group/Development_UserGroup   2023-06-02T09:26:07Z    AGPA3MBK6R7VHYDKCHU6X   Development_UserGroup   /
kdawoud@k:~$
```

```
kdawoud@k:~$ aws configure
AWS Access Key ID [****************KUXA]:
AWS Secret Access Key [****************mA0t]:
Default region name [S7vzhmiQQ/ZDA03vSPbPJe94ivO3r0xn21QLmA0t]: eu-north-1
Default output format [None]: text
kdawoud@k:~$ aws iam list-users

An error occurred (AccessDenied) when calling the ListUsers operation: User: arn:aws:iam::781774131178:user/dev-user is not authorized to perform: iam
:ListUsers on resource: arn:aws:iam::781774131178:user/ because no identity-based policy allows the iam:ListUsers action
kdawoud@k:~$ aws iam list-groups

An error occurred (AccessDenied) when calling the ListGroups operation: User: arn:aws:iam::781774131178:user/dev-user is not authorized to perform: ia
m:ListGroups on resource: arn:aws:iam::781774131178:group/ because no identity-based policy allows the iam:ListGroups action
kdawoud@k:~$
```