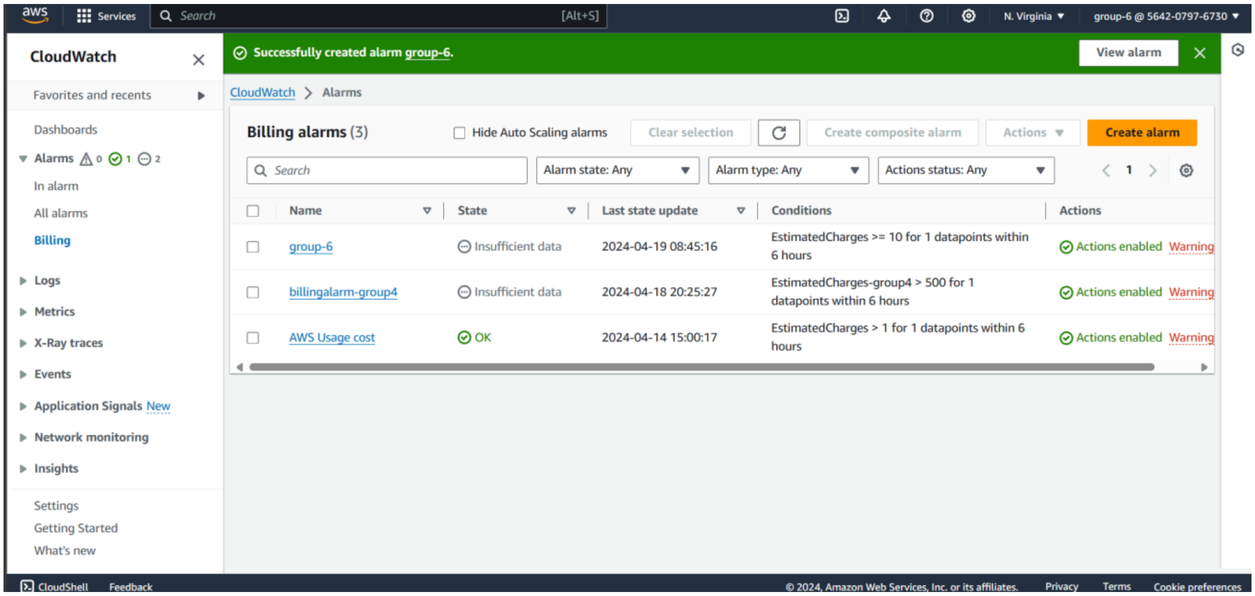
Lab 1

1- Billing Alarm



Successfully created alarm group-6.

CloudWatch > Alarms

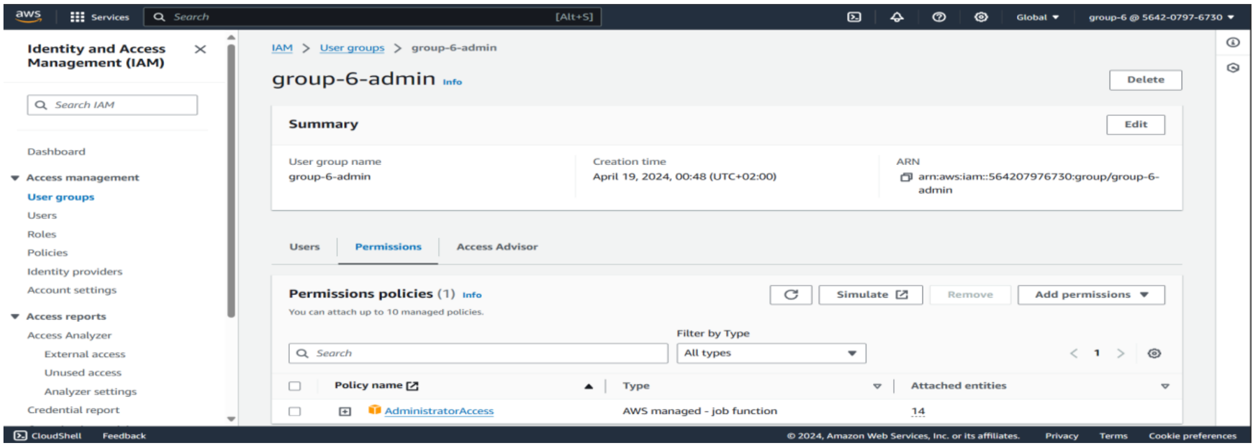
Billing alarms (3)

□ Hide Auto Scaling alarms

Alarm state: Any | Alarm type: Any | Actions status: Any

Name	State	Last state update	Conditions	Actions
group-6	Insufficient data	2024-04-19 08:45:16	EstimatedCharges >= 10 for 1 datapoints within 6 hours	Actions enabled Warning
billingalarm-group4	Insufficient data	2024-04-18 20:25:27	EstimatedCharges-group4 > 500 for 1 datapoints within 6 hours	Actions enabled Warning
AWS Usage cost	OK	2024-04-14 15:00:17	EstimatedCharges > 1 for 1 datapoints within 6 hours	Actions enabled Warning

2- Create 2 groups one admin and one for development • in the admin group it has admin permission.



IAM > User groups > group-6-admin

group-6-admin Info

Summary

User group name: group-6-admin

Creation time: April 19, 2024, 00:48 (UTC+02:00)

ARN: arn:aws:iam::564207976730:group/group-6-admin

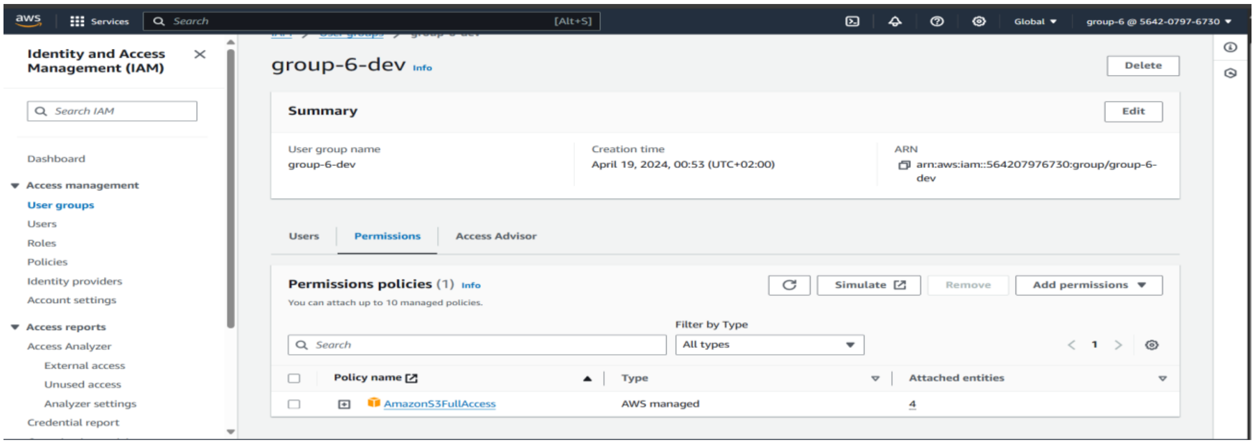
Permissions policies (1) Info

You can attach up to 10 managed policies.

Filter by Type: All types

Policy name	Type	Attached entities
AdministratorAccess	AWS managed - job function	14

and in the development only access to s3



group-6-dev Info

Summary

User group name: group-6-dev

Creation time: April 19, 2024, 00:53 (UTC+02:00)

ARN: arn:aws:iam::564207976730:group/group-6-dev

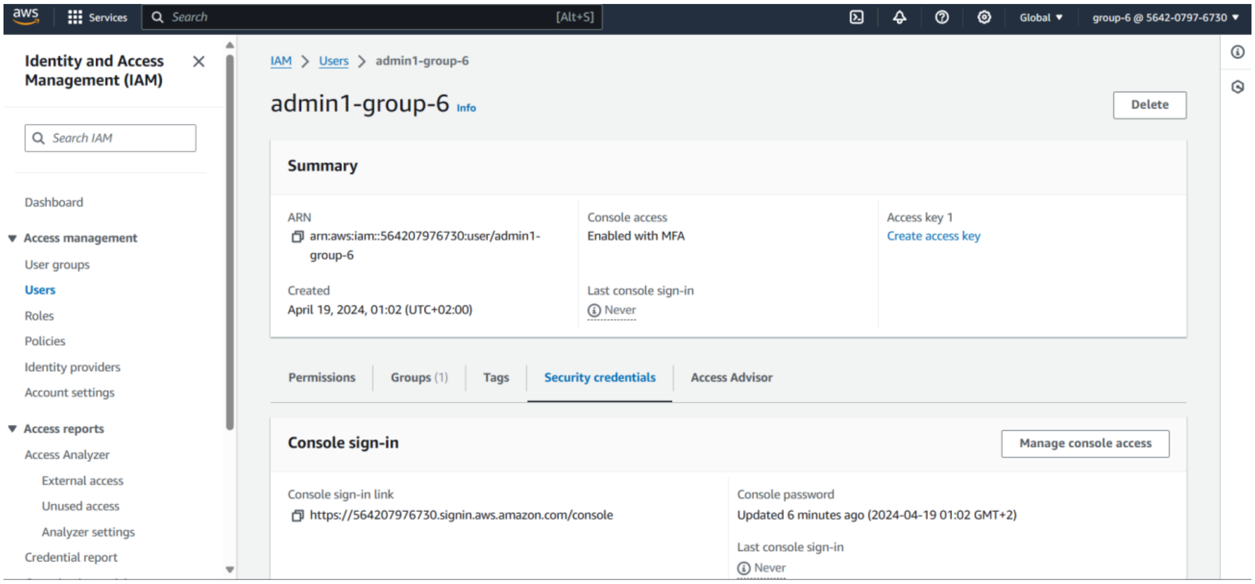
Permissions policies (1) Info

You can attach up to 10 managed policies.

Filter by Type: All types

Policy name	Type	Attached entities
AmazonS3FullAccess	AWS managed	4

create admin-1 user console access and mfa enabled in admin group



admin1-group-6 Info

Summary

ARN: arn:aws:iam::564207976730:user/admin1-group-6

Created: April 19, 2024, 01:02 (UTC+02:00)

Console access: Enabled with MFA

Last console sign-in: Never

Access key 1: Create access key

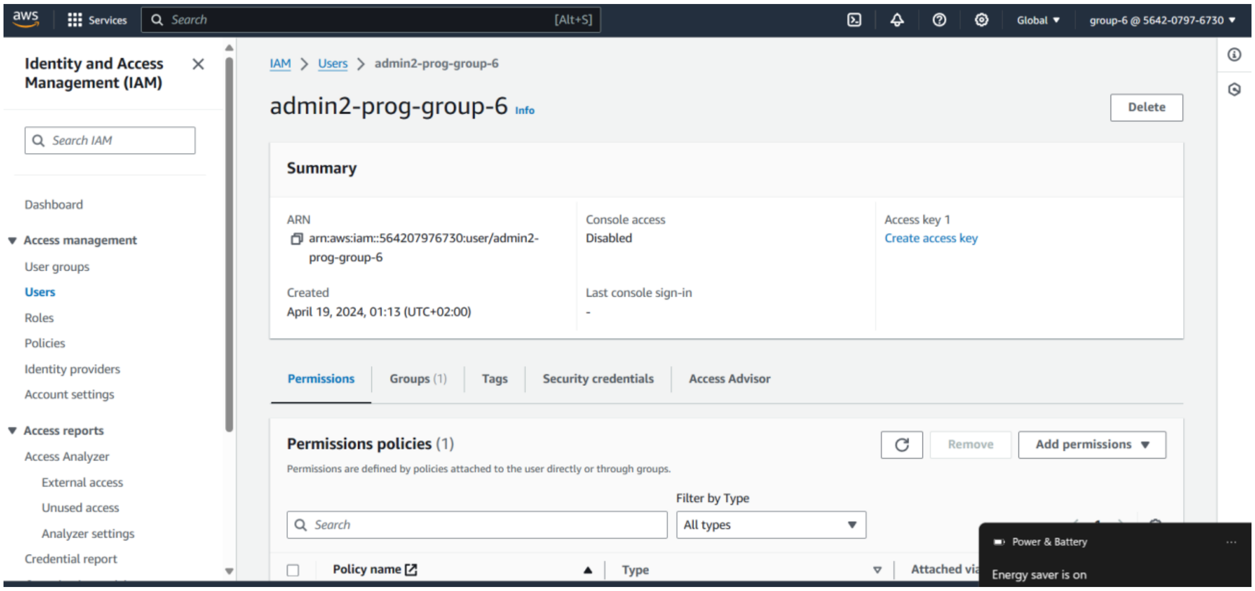
Console sign-in

Console sign-in link: https://564207976730.signin.aws.amazon.com/console

Console password: Updated 6 minutes ago (2024-04-19 01:02 GMT+2)

Last console sign-in: Never

and admin2-prog with cli access only



admin2-prog-group-6

Summary

ARN
arn:aws:iam::564207976730:user/admin2-prog-group-6

Console access
Disabled

Access key 1
Create access key

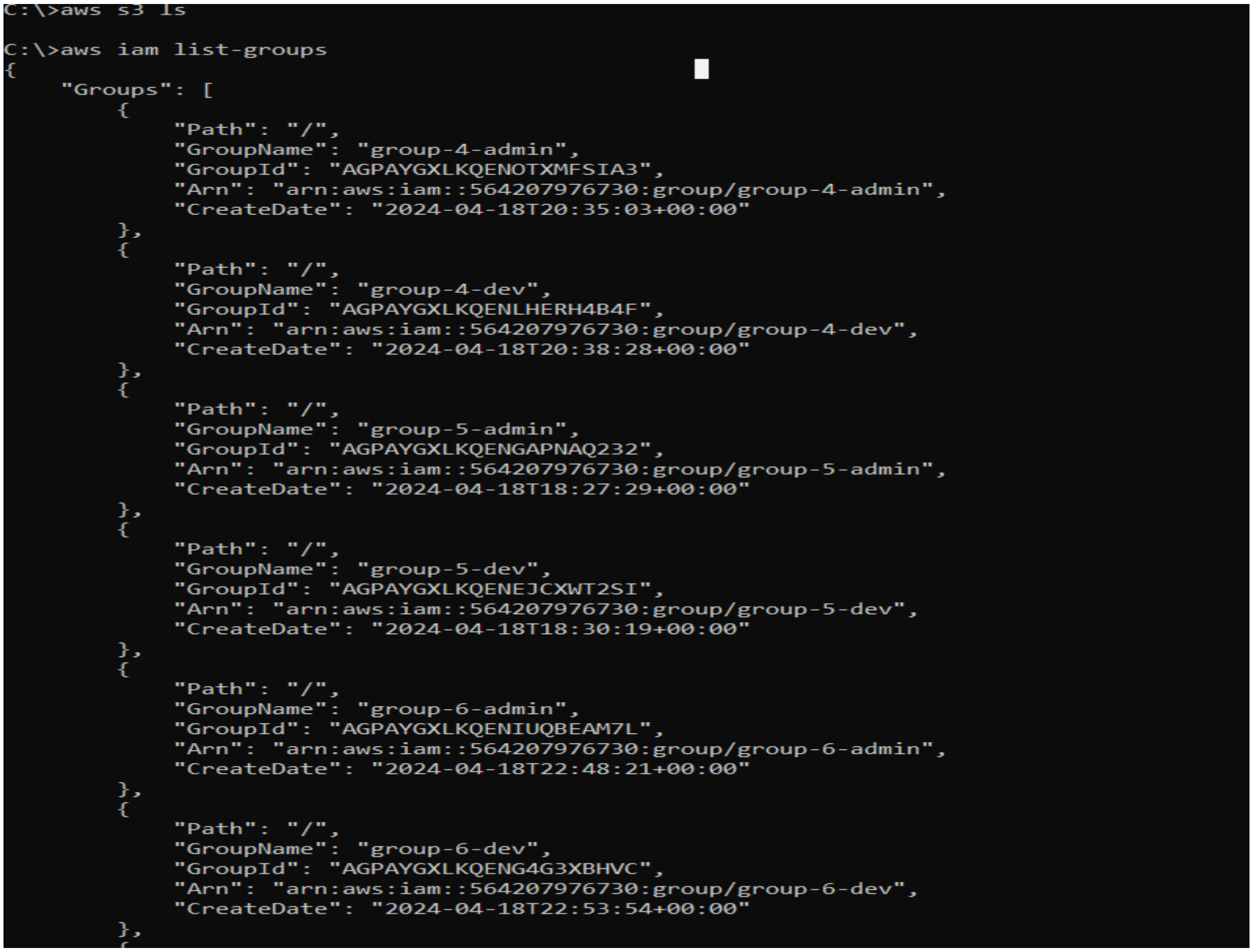
Created
April 19, 2024, 01:13 (UTC+02:00)

Last console sign-in
-

Permissions policies (1)

Permissions are defined by policies attached to the user directly or through groups.

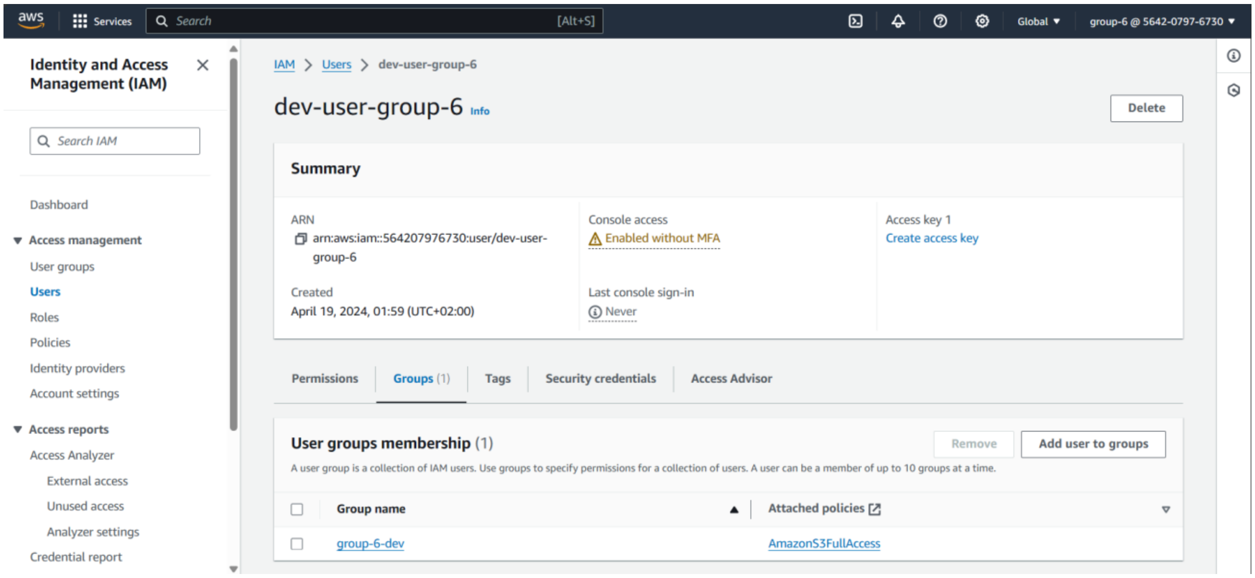
and list all users and groups using commands not console



```
C:\>aws s3 ls

C:\>aws iam list-groups
{
    "Groups": [
        {
            "Path": "/",
            "GroupName": "group-4-admin",
            "GroupId": "AGPAYGXLKQENOTXMFSIA3",
            "Arn": "arn:aws:iam::564207976730:group/group-4-admin",
            "CreateDate": "2024-04-18T20:35:03+00:00"
        },
        {
            "Path": "/",
            "GroupName": "group-4-dev",
            "GroupId": "AGPAYGXLKQENLHERH4B4F",
            "Arn": "arn:aws:iam::564207976730:group/group-4-dev",
            "CreateDate": "2024-04-18T20:38:28+00:00"
        },
        {
            "Path": "/",
            "GroupName": "group-5-admin",
            "GroupId": "AGPAYGXLKQENGAPNAQ232",
            "Arn": "arn:aws:iam::564207976730:group/group-5-admin",
            "CreateDate": "2024-04-18T18:27:29+00:00"
        },
        {
            "Path": "/",
            "GroupName": "group-5-dev",
            "GroupId": "AGPAYGXLKQENEJCXWT2SI",
            "Arn": "arn:aws:iam::564207976730:group/group-5-dev",
            "CreateDate": "2024-04-18T18:30:19+00:00"
        },
        {
            "Path": "/",
            "GroupName": "group-6-admin",
            "GroupId": "AGPAYGXLKQENIUQBEAM7L",
            "Arn": "arn:aws:iam::564207976730:group/group-6-admin",
            "CreateDate": "2024-04-18T22:48:21+00:00"
        },
        {
            "Path": "/",
            "GroupName": "group-6-dev",
            "GroupId": "AGPAYGXLKQENG4G3XBHVC",
            "Arn": "arn:aws:iam::564207976730:group/group-6-dev",
            "CreateDate": "2024-04-18T22:53:54+00:00"
        },
```

•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)



dev-user-group-6

Summary

ARN
arn:aws:iam::564207976730:user/dev-user-group-6

Created
April 19, 2024, 01:59 (UTC+02:00)

Console access
⚠ Enabled without MFA

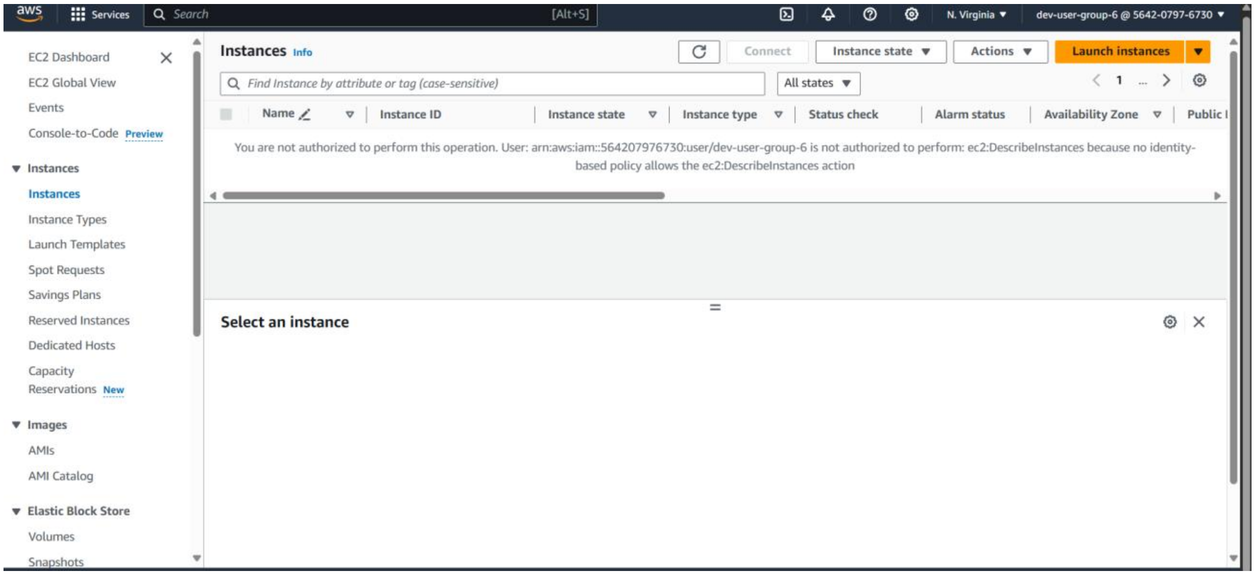
Last console sign-in
Never

Access key 1
Create access key

User groups membership (1)

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users. A user can be a member of up to 10 groups at a time.

□	Group name	Attached policies
□	group-6-dev	AmazonS3FullAccess

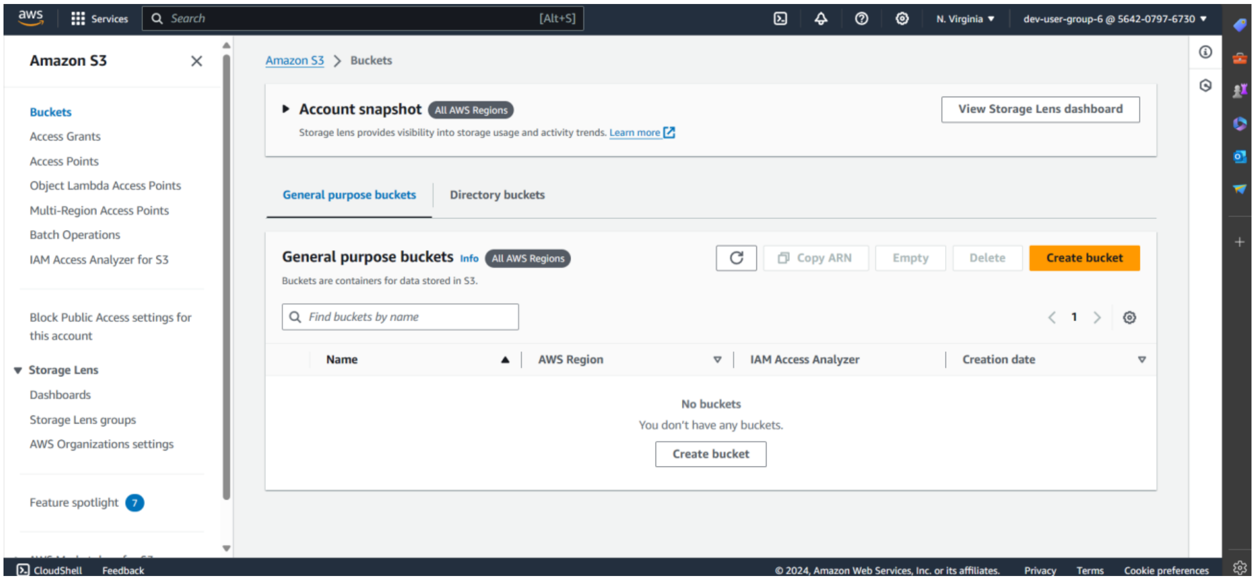


Instances

□	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public I

You are not authorized to perform this operation. User: arn:aws:iam::564207976730:user/dev-user-group-6 is not authorized to perform: ec2:DescribeInstances because no identity-based policy allows the ec2:DescribeInstances action

Select an instance



Account snapshot All AWS Regions

Storage lens provides visibility into storage usage and activity trends. Learn more

General purpose buckets

Buckets are containers for data stored in S3.

Name	AWS Region	IAM Access Analyzer	Creation date

No buckets

You don't have any buckets.

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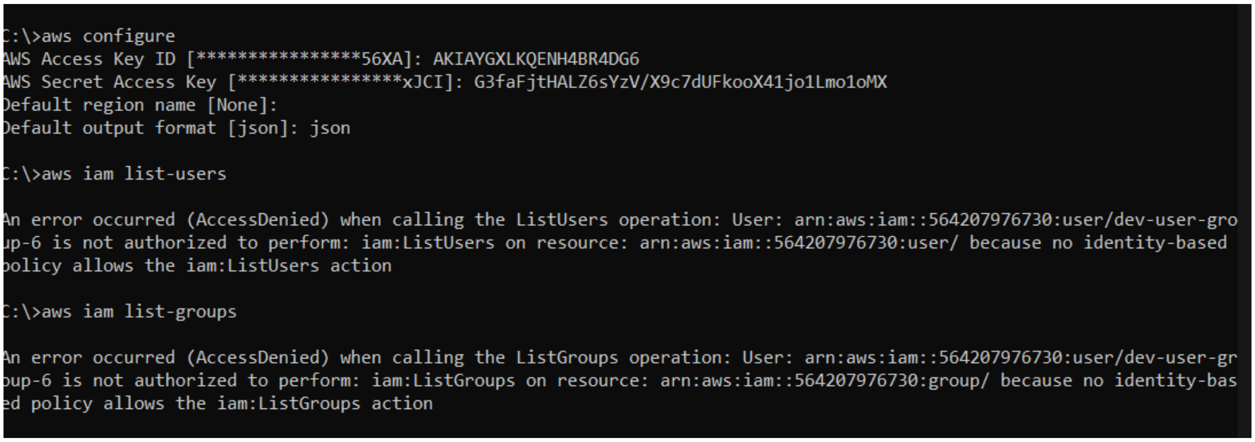

```
C:\>aws configure
AWS Access Key ID [****************56XA]: AKIAYGXLKQENH4BR4DG6
AWS Secret Access Key [****************xJCI]: 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
Default region name [None]:
Default output format [json]: json

C:\>aws iam list-users

An error occurred (AccessDenied) when calling the ListUsers operation: User: arn:aws:iam::564207976730:user/dev-user-gro
up-6 is not authorized to perform: iam:ListUsers on resource: arn:aws:iam::564207976730:user/ because no identity-based
policy allows the iam:ListUsers action

C:\>aws iam list-groups

An error occurred (AccessDenied) when calling the ListGroups operation: User: arn:aws:iam::564207976730:user/dev-user-gr
oup-6 is not authorized to perform: iam:ListGroups on resource: arn:aws:iam::564207976730:group/ because no identity-bas
ed policy allows the iam:ListGroups action
```