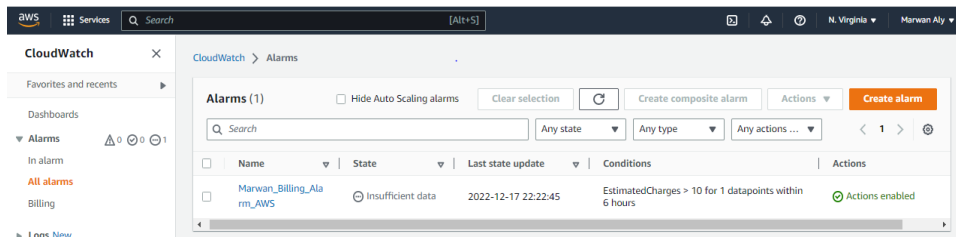


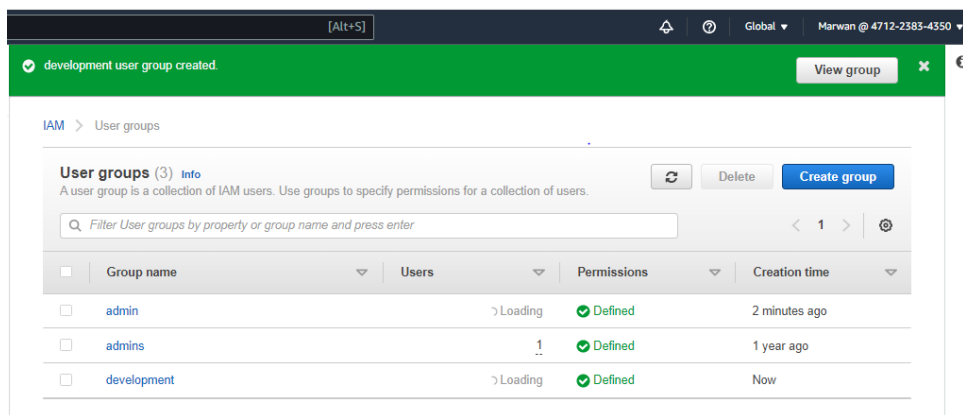
AWS LAB1:

1- Create aws account and set billing alarm

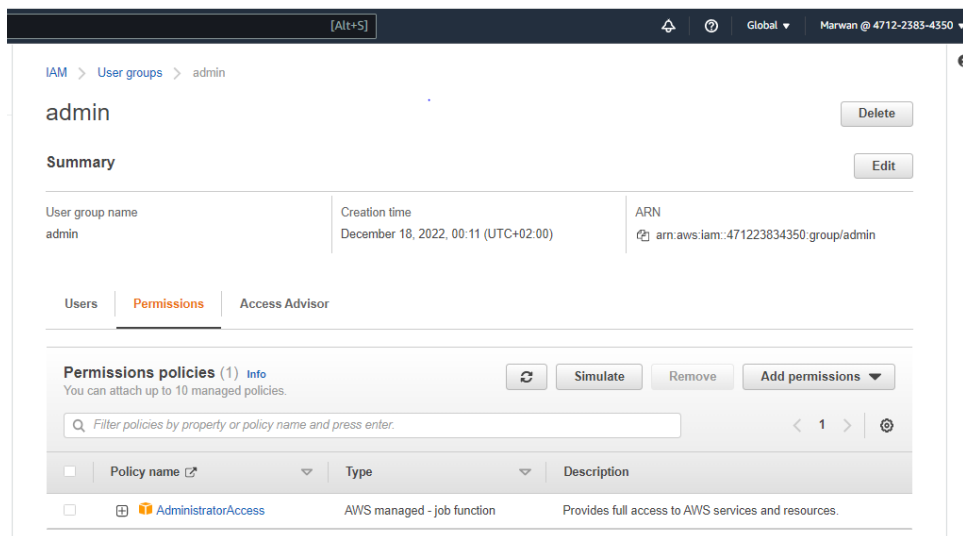


2-

- 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



[Alt+S]
Global
Marwan @ 4712-2383-4350

Summary

User group name
development

Creation time
December 18, 2022, 00:13 (UTC+02:00)

ARN
arn:aws:iam::471223834350:group/development

Users
Permissions
Access Advisor

Permissions policies (9)

You can attach up to 10 managed policies.

Filter policies by property or policy name and press enter.

	Policy name	Type	Description
<input type="checkbox"/>	AmazonDMSRedshiftS3Role	AWS managed	Provides access to manage S3 settings fo...
<input type="checkbox"/>	AmazonS3FullAccess	AWS managed	Provides full access to all buckets via the ...
<input type="checkbox"/>	QuickSightAccessForS3StorageManagementAnalyticsReadO...	AWS managed	Policy used by QuickSight team to access ...
<input type="checkbox"/>	AmazonS3ReadOnlyAccess	AWS managed	Provides read only access to all buckets vi...
<input type="checkbox"/>	AmazonS3OutpostsFullAccess	AWS managed	Provides full access to Amazon S3 on Out...

• create admin-1 user console access and mfa enabled

Search
[Alt+S]
Global
Marwan Aly

Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://marwanaly.signin.aws.amazon.com/console>

	User	Password	Email login instructions
<input checked="" type="checkbox"/>	admin-1	***** Show	Send email

- Created user admin-1
- Attached policy IAMUserChangePassword to user admin-1
- Created login profile for user admin-1

[Alt+S]
Global
Marwan Aly

Users > admin-1

Summary

User ARN
arn:aws:iam::471223834350:user/admin-1

Path
/

Creation time
2022-12-17 23:14 UTC+0200

Permissions
Groups (1)
Tags
Security credentials
Access Advisor

Group name	Attached permissions
admin	AdministratorAccess

[Alt+S]

Global

Marwan @ 4712-2383-4350

IAM dashboard

Security recommendations

1

⚠️ Add MFA for root user

Sign in as the root user (or contact your administrator) and register a multi-factor authentication (MFA) device for the root user to improve security for this account.

✅ You have MFA

Having multi-factor authentication (MFA) for the root user improves security for this account.

✅ Your user, Marwan, does not have any active access keys that have been unused for more than a year.

Deactivating or deleting unused access keys improves security.

Refresh

AWS Account

Account ID

471223834350

Account Alias

marwanaly [Edit](#) | [Delete](#)

Sign-in URL for IAM users in this account

<https://marwanaly.signin.aws.amazon.com/console>

Refresh

Quick Links

[My security credentials](#)

Manage your access keys, multi-factor authentication (MFA) and other credentials.

Tools

[Policy simulator](#)

IAM resources

User groups

2

Users

2

Roles

3

Policies

0

Identity providers

0

What's new

Updates for features in IAM

[View all](#)

- create admin2-prog with cli access only and list all users and groups using it commands not console

Search

[Alt+S]

Global

Marwan @ 4712-2383-4350

Add user

12345

✅ Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://marwanaly.signin.aws.amazon.com/console>

Download .csv

User	Access key ID	Secret access key
admin2-prog	AKIAW3NZBC3XPVQFGVU6	***** Show

Created user admin2-prog

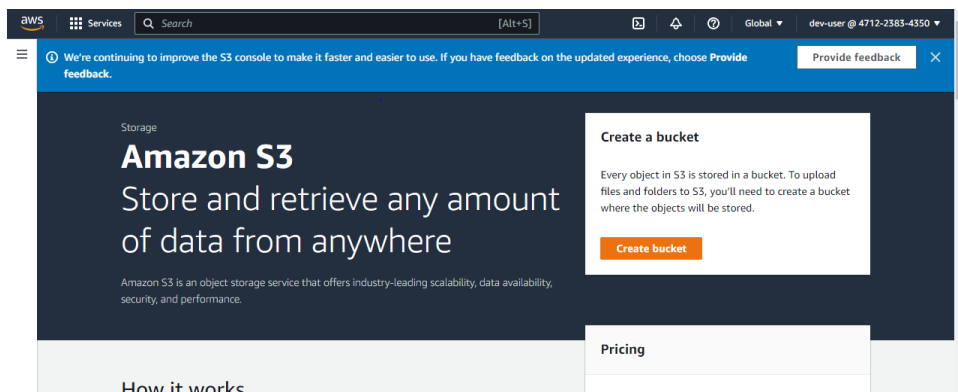
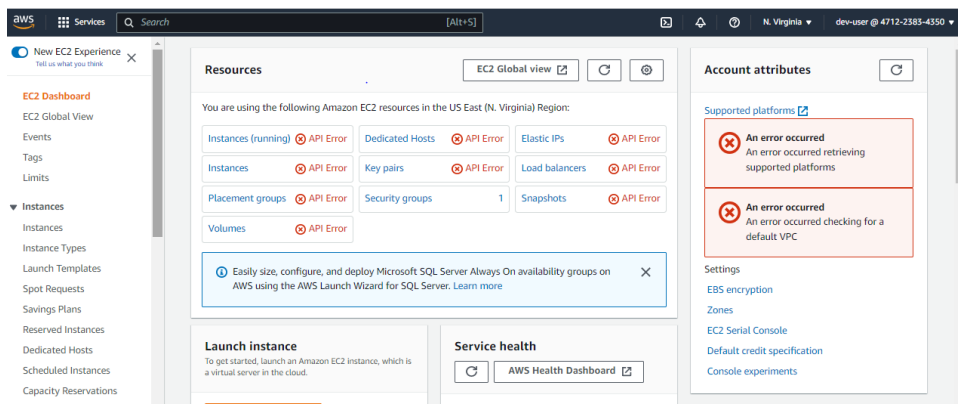
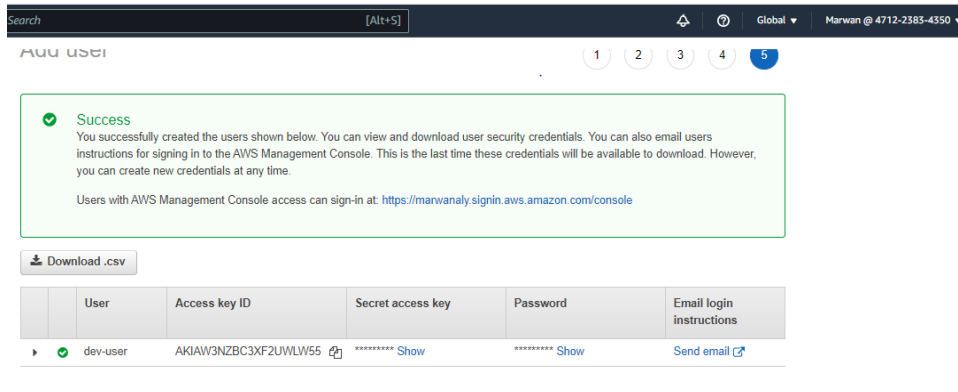
Added user admin2-prog to group admin

Created access key for user admin2-prog

```
maly@localhost:~  
[maly@localhost ~]$ aws iam list-users --profile=admin2-prog  
{  
  "Users": [  
    {  
      "Path": "/",  
      "UserName": "admin-1",  
      "UserId": "AIDAW3NZBC3XIY7PSYJH7",  
      "Arn": "arn:aws:iam::471223834350:user/admin-1",  
      "CreateDate": "2022-12-17T21:14:34+00:00"  
    },  
    {  
      "Path": "/",  
      "UserName": "admin2-prog",  
      "UserId": "AIDAW3NZBC3XBFYIC2FJJ",  
      "Arn": "arn:aws:iam::471223834350:user/admin2-prog",  
      "CreateDate": "2022-12-18T11:15:33+00:00"  
    },  
    {  
      "Path": "/",  
      "UserName": "dev-user",  
      "UserId": "AIDAW3NZBC3XBE3D4IKTJ",  
      "Arn": "arn:aws:iam::471223834350:user/dev-user",  
      "CreateDate": "2022-12-17T22:29:23+00:00",  
      "PasswordLastUsed": "2022-12-17T22:34:47+00:00"  
    }  
  ],  
  "...skipping..."  
}
```

```
maly@localhost:~  
[maly@localhost ~]$ aws iam list-groups --profile=admin2-prog  
{  
  "Groups": [  
    {  
      "Path": "/",  
      "GroupName": "admin",  
      "GroupId": "AGPAW3NZBC3XNU3QNCAWG",  
      "Arn": "arn:aws:iam::471223834350:group/admin",  
      "CreateDate": "2022-12-17T22:11:18+00:00"  
    },  
    {  
      "Path": "/",  
      "GroupName": "admins",  
      "GroupId": "AGPAW3NZBC3XIHB6542ST",  
      "Arn": "arn:aws:iam::471223834350:group/admins",  
      "CreateDate": "2020-12-30T23:13:01+00:00"  
    },  
    {  
      "Path": "/",  
      "GroupName": "development",  
      "GroupId": "AGPAW3NZBC3XKRVMG4R3",  
      "Arn": "arn:aws:iam::471223834350:group/development",  
      "CreateDate": "2022-12-17T22:13:16+00:00"  
    }  
  ]  
}
```

- in the development group create user with name dev-user with programmatic and Console access try to access aws using it (take a screenshot from accessing ec2 and s3 console)



- Also access cli using it and try to get all users and groups using it

```
21/10/2022 15:12:15 min:7
[maly@localhost ~]$ aws iam list-groups --profile=dev-user

An error occurred (AccessDenied) when calling the ListGroups operation: User: arn:aws:iam::471223834350:user/dev-user is not authorized to perform: iam:ListGroups on resource: arn:aws:iam::471223834350:group/ because no identity-based policy allows the iam:ListGroups action
[maly@localhost ~]$ aws iam list-users --profile=dev-user

An error occurred (AccessDenied) when calling the ListUsers operation: User: arn:aws:iam::471223834350:user/dev-user is not authorized to perform: iam:ListUsers on resource: arn:aws:iam::471223834350:user/ because no identity-based policy allows the iam:ListUsers action
[maly@localhost ~]$
```