

LAB 1

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Q 2:

admin and development groups:

The screenshot shows the AWS IAM console interface. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Access reports, and Settings. The main content area displays the 'admin' user group details. The 'Summary' tab is active, showing the user group name 'admin', creation time 'January 08, 2023, 09:21 (UTC+02:00)', and ARN 'arn:aws:iam::184746411800:group/admin'. Below the summary, the 'Permissions policies' tab is selected, showing a list of policies. The table lists one policy: 'AdministratorAccess' with the description 'Provides full access to A...'. The table has columns for Policy name, Type, and Description.

Policy name	Type	Description
AdministratorAccess	AWS managed - job function	Provides full access to A...

The screenshot shows the AWS IAM console interface for the 'development' user group. The left sidebar is the same as the previous screenshot. The main content area displays the 'development' user group details. The 'Summary' tab is active, showing the user group name 'development', creation time 'January 09, 2023, 13:39 (UTC+02:00)', and ARN 'arn:aws:iam::184746411800:group/development'. Below the summary, the 'Permissions policies' tab is selected, showing a list of policies. The table lists one policy: 'AmazonS3FullAccess' with the description 'Provides full access to all buckets via the AWS Management Co...'. The table has columns for Policy name, Type, and Description.

Policy name	Type	Description
AmazonS3FullAccess	AWS managed	Provides full access to all buckets via the AWS Management Co...

admin-user1 :

Identity and Access Management (IAM)

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analizers

Settings

Credential report

Organization settings

Summary

Delete user

User ARN

arn:aws:iam::184746411800:user/admin-user1

Path

/

Creation time

2023-01-09 13:56 UTC+0200

Permissions

Groups (1)

Tags (1)

Security credentials

Access Advisor

Permissions policies (3 policies applied)

Add permissions

Add inline policy

Policy name	Policy type
Attached directly	
AmazonFSxConsoleFullAccess	AWS managed policy
IAMUserChangePassword	AWS managed policy
Attached from group	
AdministratorAccess	AWS managed policy from group admin

MFA

aws

Services

Search

[Alt+S]

Global

stephane @ iam-user1-stephane

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Manage MFA device

Name*

admin-user1-mfa

Maximum 128 characters. Use alphanumeric and '+', '=', '@', '-', '_' characters.

Choose the type of MFA device to assign:

☒ Virtual MFA device

Authenticator app installed on your mobile device or computer

☐ Security key

Authenticate by using a FIDO security key, such as Yubikey

☐ Other hardware MFA device

Hardware TOTP token

For more information about supported MFA devices, see [AWS Multi-Factor Authentication](#)

Cancel

Continue

Identity providers

Account settings

Access reports

Access analyzer

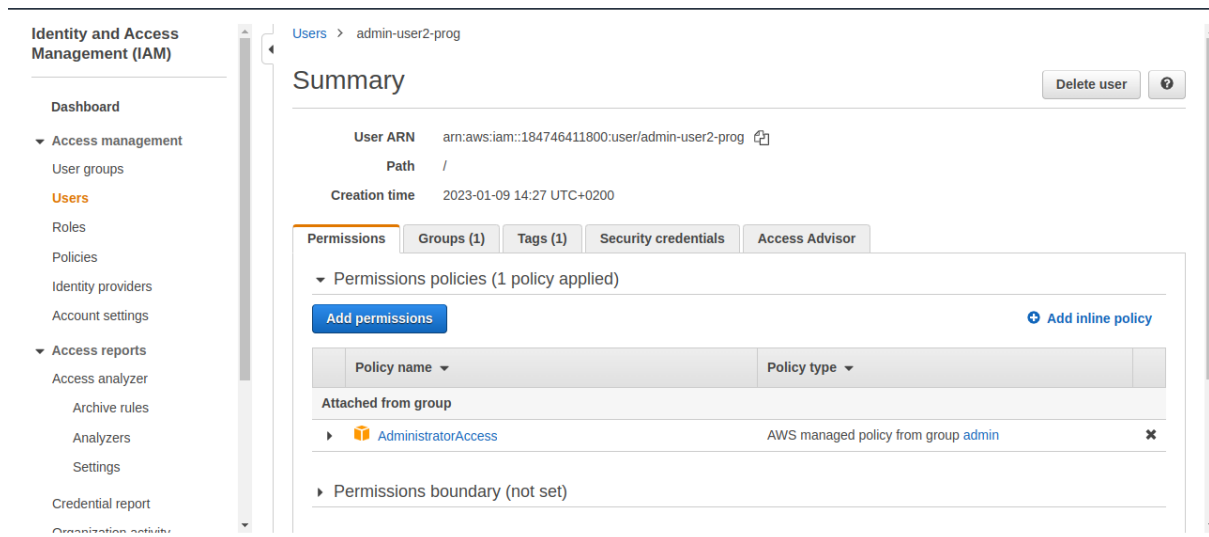
Archive rules

Manage

Assign MFA device

Serial number	Device type	Created
arn:aws:iam::184746411800:mfa/admin-user1-mfa	Virtual TOTP	2023-01-

admin-user2-prog



list users using admin-user2-prog

```
~
~
~
~
~
~
salmamyoussef@salmamyoussef-Satellite-C55-B:~$ aws iam list-users
{
  "Users": [
    {
      "Path": "/",
      "UserName": "admin-user1",
      "UserId": "AIDASWA56Q4MBUASJY7ST",
      "Arn": "arn:aws:iam::184746411800:user/admin-user1",
      "CreateDate": "2023-01-09T11:56:56+00:00"
    },
    {
      "Path": "/",
      "UserName": "admin-user2-prog",
      "UserId": "AIDASWA56Q4MAUTNBHASK",
      "Arn": "arn:aws:iam::184746411800:user/admin-user2-prog",
      "CreateDate": "2023-01-09T12:27:47+00:00"
    },
    {
      "Path": "/",
      "UserName": "stephane",
      "UserId": "AIDASWA56Q4MIHPUBX7GJ",
      "Arn": "arn:aws:iam::184746411800:user/stephane",
      "CreateDate": "2023-01-08T07:22:47+00:00",
      "PasswordLastUsed": "2023-01-09T11:30:41+00:00"
    }
  ]
}
```

list groups using admin-user2-prog:

```

salmamyoussef@salmamyoussef-Satellite-C55-B:~$ aws iam list-groups
{
  "Groups": [
    {
      "Path": "/",
      "GroupName": "admin",
      "GroupId": "AGPASWA56Q4MJ557Q2RXS",
      "Arn": "arn:aws:iam::184746411800:group/admin",
      "CreateDate": "2023-01-08T07:21:17+00:00"
    },
    {
      "Path": "/",
      "GroupName": "development",
      "GroupId": "AGPASWA56Q4MFB5YGWSHV",
      "Arn": "arn:aws:iam::184746411800:group/development",
      "CreateDate": "2023-01-09T11:39:34+00:00"
    }
  ]
}

```

dev-user:

1 2 3 4 5

Review

Review your choices. After you create the user, you can view and download the autogenerated password and access key.

User details

User name	dev-user
AWS access type	Programmatic access and AWS Management Console access
Console password type	Custom
Require password reset	No
Permissions boundary	Permissions boundary is not set

Permissions summary

The user shown above will be added to the following groups.

Type	Name
Group	development

Cancel Previous **Create user**

Accessing s3 and ec2 using dev-prog:

```

salmamyoussef@salmamyoussef-Satellite-C55-B:~$ aws configure
AWS Access Key ID [*****OZHD]: AKIASWA56Q4MPIBLP2PC
AWS Secret Access Key [*****U8xu]: 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
Default region name [us-east-1]: us-east-1
Default output format [None]:
salmamyoussef@salmamyoussef-Satellite-C55-B:~$ aws ec2 describe-instances
An error occurred (UnauthorizedOperation) when calling the DescribeInstances operation: You are not authorized to perform this operation.
salmamyoussef@salmamyoussef-Satellite-C55-B:~$ aws s3 ls

```

List users and groups using dev-prog:

```
salmanyoussef@salmanyoussef-Satellite-C55-B: $ aws iam list-users
```

```
An error occurred (AccessDenied) when calling the ListUsers operation: User: arn:aws:iam::184746411800:user/dev-user is not authorized to perform: iam:ListUsers on resource: arn:aws:iam::184746411800:user/ because no identity-based policy allows the iam:ListUsers action
```

```
salmanyoussef@salmanyoussef-Satellite-C55-B: $ aws iam list-groups
```

```
An error occurred (AccessDenied) when calling the ListGroups operation: User: arn:aws:iam::184746411800:user/dev-user is not authorized to perform: iam:ListGroups on resource: arn:aws:iam::184746411800:group/ because no identity-based policy allows the iam:ListGroups action
```

```
salmanyoussef@salmanyoussef-Satellite-C55-B: $
```