



DEPARTMENT OF SOFTWARE ENGINEERING

LAB#13

SUBMITTED TO:

ENGR. MUHAMMAD SHOAIB

ENGR. WAQAS SALEEM

SUBMITTED BY: NEHA AMJAD

REG NO: 2021-BSE-024

```
~  
~  
~ $ aws iam create-group --group-name SoftwareEngineering  
{  
  "Group": {  
    "Path": "/",  
    "GroupName": "SoftwareEngineering",  
    "GroupId": "AGPAYGZVAOQU4IFINDSLL",  
    "Arn": "arn:aws:iam::564362507305:group/SoftwareEngineering",  
    "CreateDate": "2026-01-19T07:41:21+00:00"  
  }  
}  
~ $
```

```
~  
~ $ aws iam get-group --group-name SoftwareEngineering  
{  
  "Users": [],  
  "Group": {  
    "Path": "/",  
    "GroupName": "SoftwareEngineering",  
    "GroupId": "AGPAYGZVAOQU4IFINDSLL",  
    "Arn": "arn:aws:iam::564362507305:group/SoftwareEngineering",  
    "CreateDate": "2026-01-19T07:41:21+00:00"  
  }  
}  
~ $
```

```
~ $ aws iam create-user --user-name NehaAmjad  
{  
  "User": {  
    "Path": "/",  
    "UserName": "NehaAmjad",  
    "UserId": "AIDAYGZVAOQUY5ZDDSOWE",  
    "Arn": "arn:aws:iam::564362507305:user/NehaAmjad",  
    "CreateDate": "2026-01-19T07:43:13+00:00"  
  }  
}  
~ $
```

```
}
~ $ aws iam get-user --user-name NehaAmjad
{
  "User": {
    "Path": "/",
    "UserName": "NehaAmjad",
    "UserId": "AIDAYGZVAOQUY5ZDDSOWE",
    "Arn": "arn:aws:iam::564362507305:user/NehaAmjad",
    "CreateDate": "2026-01-19T07:43:13+00:00"
  }
}
~ $ █
```

```
}
~ $ aws iam add-user-to-group --user-name NehaAmjad --group-name SoftwareEngineering
~ $
~ $ █
```

```
~ $ aws iam get-group --group-name SoftwareEngineering
{
  "Users": [
    {
      "Path": "/",
      "UserName": "NehaAmjad",
      "UserId": "AIDAYGZVAOQUY5ZDDSOWE",
      "Arn": "arn:aws:iam::564362507305:user/NehaAmjad",
      "CreateDate": "2026-01-19T07:43:13+00:00"
    }
  ],
  "Group": {
    "Path": "/",
    "GroupName": "SoftwareEngineering",
    "GroupId": "AGPAYGZVAOQU4IFINDSLL",
    "Arn": "arn:aws:iam::564362507305:group/SoftwareEngineering",
    "CreateDate": "2026-01-19T07:41:21+00:00"
  }
}
~ $ █
```

```
$ aws iam attach-group-policy --group-name SoftwareEngineering --policy-arn arn:aws:iam::aws:policy/AdministratorAccess
$
```

```
~$ aws iam attach-group-policy --group-name SoftwareEngineering --policy-arn arn:aws:iam::aws:policy/AdministratorAccess
~$ aws iam list-attached-group-policies --group-name SoftwareEngineering
{
  "AttachedPolicies": [
    {
      "PolicyName": "AdministratorAccess",
      "PolicyArn": "arn:aws:iam::aws:policy/AdministratorAccess"
    }
  ]
}
~$
```

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

<input type="checkbox"/>	Group name	▲	Users	▼	Permissions	▼	Creation time	▼
<input type="checkbox"/>	SoftwareEngineering			1	Defined		5 minutes ago	

0WS

Search

Global

Neha

IAM

User groups

SoftwareEngineering

Identity and Access Management (IAM)

Search IAM

Dashboard

Access Management

User groups

Users

Policies

Identity providers

Account settings

Root access management

Temporary delegation requests

Access reports

Access Analyzer

Resource analysis

Unused access

Analyzer settings

Credential report

Organization activity

Service control policies

SoftwareEngineering

Summary

User group name
SoftwareEngineering

Creation time
January 19, 2026, 12:41 (UTC+05:00)

ARN
arn:aws:iam::564362507305:group/SoftwareEngineering

Users (1)

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.

Search

☐

User name

Groups

Last activity

Creation time

☐

NehaAmjad

1

None

3 minutes ago

aws

Search

[Alt+]

IAM

User groups

SoftwareEngineering

Global

Neha

Identity and Access Management (IAM)

Search IAM

Dashboard

Access Management

User groups

Users

Roles

Policies

Identity providers

Account settings

Root access management

Temporary delegation requests

Access reports

Access Analyzer

Resource analysis

Unused access

SoftwareEngineering

Summary

Users (1)

Permissions

Access Advisor

Permissions policies (1)

You can attach up to 10 managed policies.

Filter by Type

All types

Policy name

Type

Attached entities

AdministratorAccess

AWS managed - job function

5