

## **IAM TASKS**

- 1) Create one IAM user and assign ec2,s3 full access role.

Select policy to set the permissions boundary.











ec2

Filter by Type

All types

43 matches

< 1 2 3 >

	Policy name	Type	Attached entities
<input type="radio"/>	 <a href="#">AmazonEC2ContainerRegi...</a>	AWS managed	0
<input type="radio"/>	 <a href="#">AmazonEC2ContainerRegi...</a>	AWS managed	0
<input type="radio"/>	 <a href="#">AmazonEC2ContainerRegi...</a>	AWS managed	0
<input type="radio"/>	 <a href="#">AmazonEC2ContainerRegi...</a>	AWS managed	0
<input type="radio"/>	 <a href="#">AmazonEC2ContainerServ...</a>	AWS managed	0
<input type="radio"/>	 <a href="#">AmazonEC2ContainerServ...</a>	AWS managed	0
<input type="radio"/>	 <a href="#">AmazonEC2ContainerServ...</a>	AWS managed	0
<input type="radio"/>	 <a href="#">AmazonEC2ContainerServ...</a>	AWS managed	0
<input checked="" type="radio"/>	 <a href="#">AmazonEC2FullAccess</a>	AWS managed	0
<input type="radio"/>	 <a href="#">AmazonEC2ReadOnlyAccess</a>	AWS managed	0

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Privacy

Terms

Cookie preferences

## Review and create

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

User details

User name

Rakesh

Console password type

None

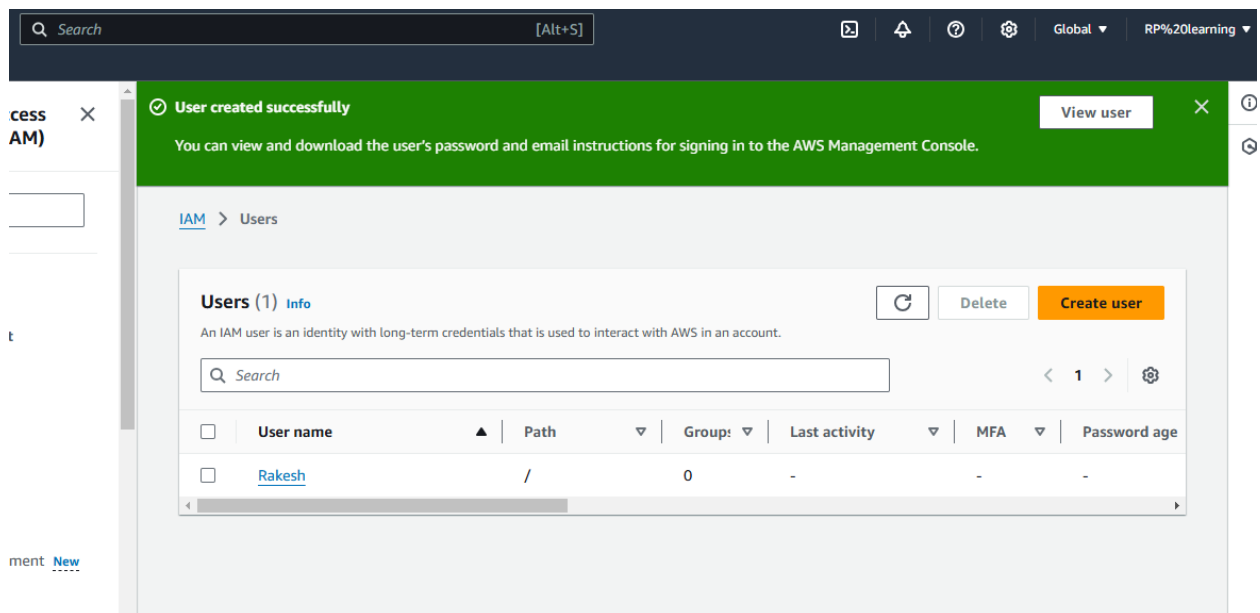
Require password reset

No

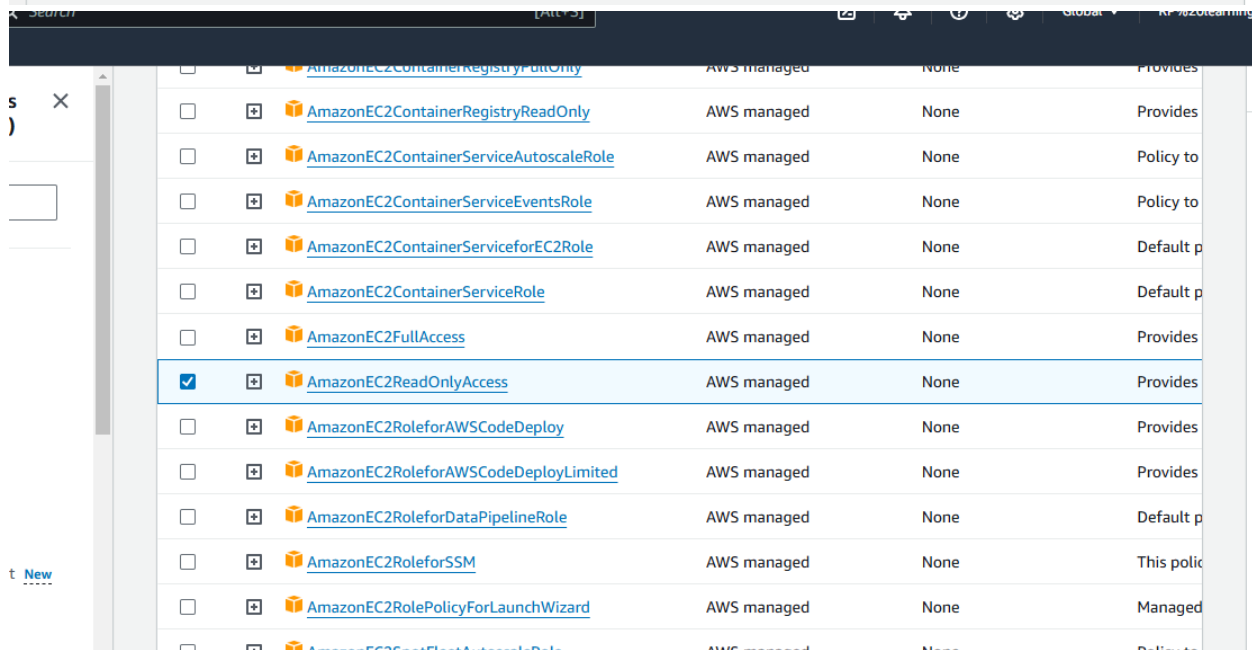
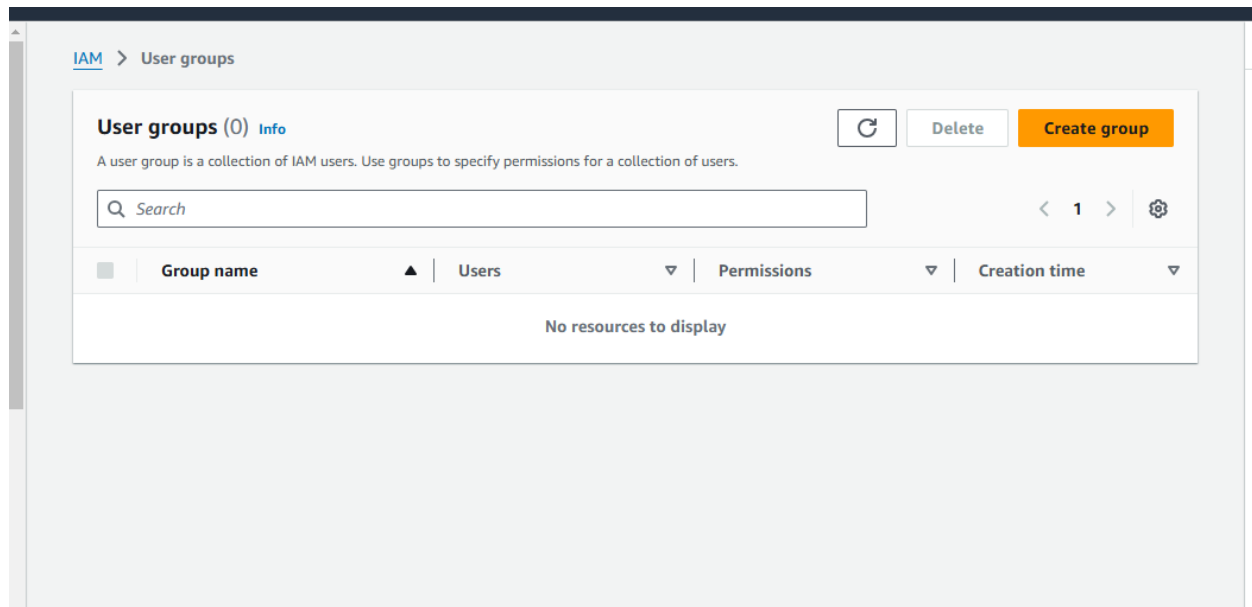
Permissions summary

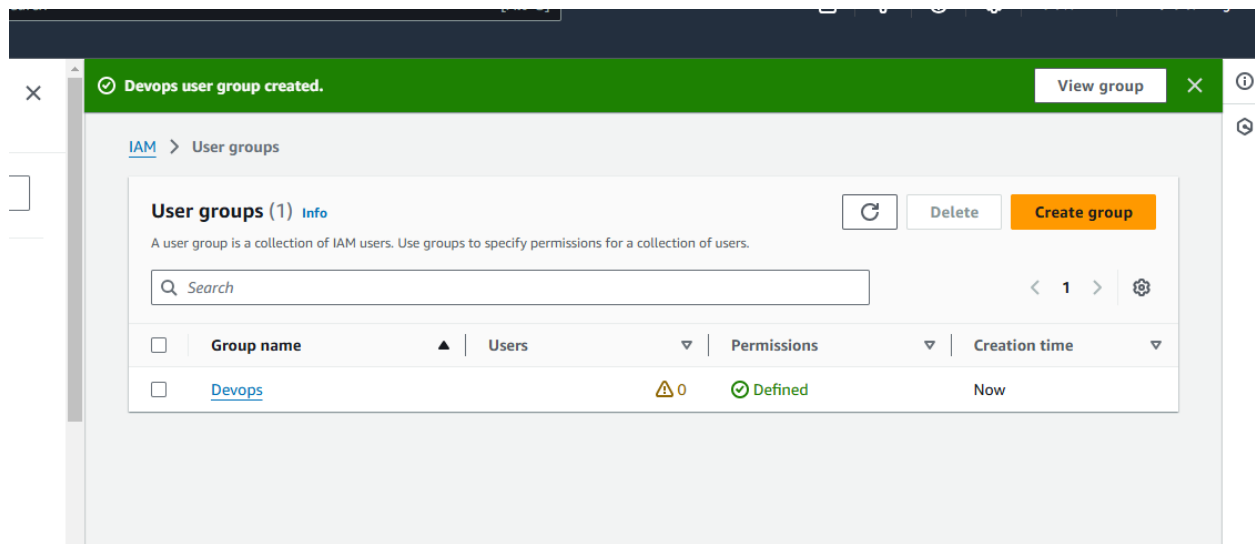
< 1 >

Name	Type	Used as
<a href="#">AmazonEC2FullAccess</a>	AWS managed	Permissions policy
<a href="#">AmazonS3FullAccess</a>	AWS managed	Permissions policy



2) Create one Group in IAM and Assign Read access for ec2.





3) Create a new user with name Devops and add to the group created in task2.

# Specify user details

## User details

User name

Devops

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ \_ - (hyphen)

☐ Provide user access to the AWS Management Console - *optional*  
If you're providing console access to a person, it's a [best practice](#) to manage their access in IAM Identity Center.

**i** If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. [Learn more](#)

Cancel Next

create

- ☒ Add user to group  
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.
- ☐ Copy permissions  
Copy all group memberships, attached managed policies, and inline policies from an existing user.
- ☐ Attach policies directly  
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

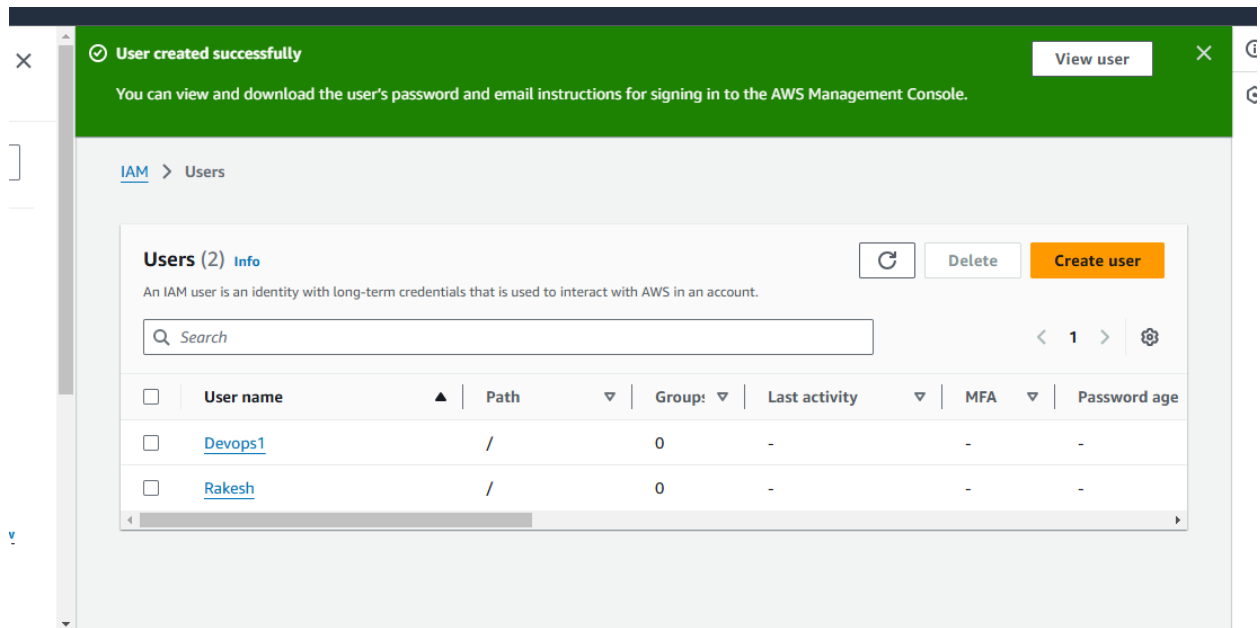
## User groups (1/1)

Refresh Create group

<div>Search</div>			<div>&lt; 1 &gt;</div>		<div></div>		
<div><input checked="" type="checkbox"/></div>	<div>Group name</div>	<div>▲</div>	<div>Users</div>	<div>▼</div>	<div>Attached policies</div>	<div>▼</div>	<div>Created</div>
<div><input checked="" type="checkbox"/></div>	<div>Devops</div>		<div>0</div>		<div>AmazonEC2ReadOnlyAc...</div>		<div>2024-11-15 (2 min...</div>

► Set permissions boundary - *optional*

Cancel Previous Next



4) Write a bash script to create a IAM user with VPC full access.

```
[root@ip-172-31-34-252 ~]# aws --version
aws-cli/1.18.147 Python/2.7.18 Linux/5.10.227-219.884.amzn2.x86_64 botocore/1.18.6
[root@ip-172-31-34-252 ~]# aws configure
AWS Access Key ID [None]: AKIASVQKHJSGBOWNATLW
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json
[root@ip-172-31-34-252 ~]# vi newuser.bash
[root@ip-172-31-34-252 ~]# chmod 755 newuser.bash
[root@ip-172-31-34-252 ~]# ./newuser.bash
Creating IAM user rakesh-vpc...
{
  "User": {
    "UserName": "rakesh-vpc",
    "Path": "/",
    "CreateDate": "2024-11-15T10:27:30Z",
    "UserId": "AIDASVQKHJSGA4PIVTV2F",
    "Arn": "arn:aws:iam::183631301772:user/rakesh-vpc"
  }
}
User rakesh-vpc created successfully.
Attaching the AmazonVPCFullAccess policy to rakesh-vpc...
Policy arn:aws:iam::aws:policy/AmazonVPCFullAccess attached to user rakesh-vpc.
IAM user setup completed successfully.
[root@ip-172-31-34-252 ~]# |
```

**Identity and Access Management (IAM)**

Search IAM

Dashboard

Access management

- User groups
- Users**
- Roles
- Policies
- Identity providers
- Account settings
- Root access management New

**Users (3) Info**

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Search

<input type="checkbox"/>	User name	Path	Group	Last activity	MFA	Password age
<input type="checkbox"/>	<a href="#">Devops1</a>	/	1	-	-	52 minutes
<input type="checkbox"/>	<a href="#">Rakesh</a>	/	0	-	-	-
<input type="checkbox"/>	<a href="#">rakesh-vpc</a>	/	0	-	-	-

5) Create a IAM policy to access ec2 for a specific user in specific regions only.



EC2VPCIAM

Step 1

Specify permissions

Step 2

Review and create

## Specify permissions

Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the JSON editor.

Policy editor

VisualJSONActions

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Action": "ec2:*",
7       "Resource": "*",
8       "Condition": {
9         "StringEquals": {
10          "aws:RequestedRegion": "us-east-2",
11          "aws:username": "Rakesh"
12        }
13      }
14    }
15  ]
16 }
```

Edit statement

Select a statement

Select an existing statement in the policy or add a new statement.

+ Add new statement

EC2VPCIAM

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11          "aws:username": "Rakesh"
12        }
13      }
14    }
15  ]
16 }
```

Edit statement

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Select an existing statement in the policy or add a new statement.

+ Add new statement

ServicesSearch[Alt+S]GlobalRP%20lea

EC2VPCIAM

Step 1

[Specify permissions](#)

Step 2

Review and create

## Review and create

Review the permissions, specify details, and tags.

Policy details

Policy name

Enter a meaningful name to identify this policy.

region-access

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

Description - optional

Add a short explanation for this policy.

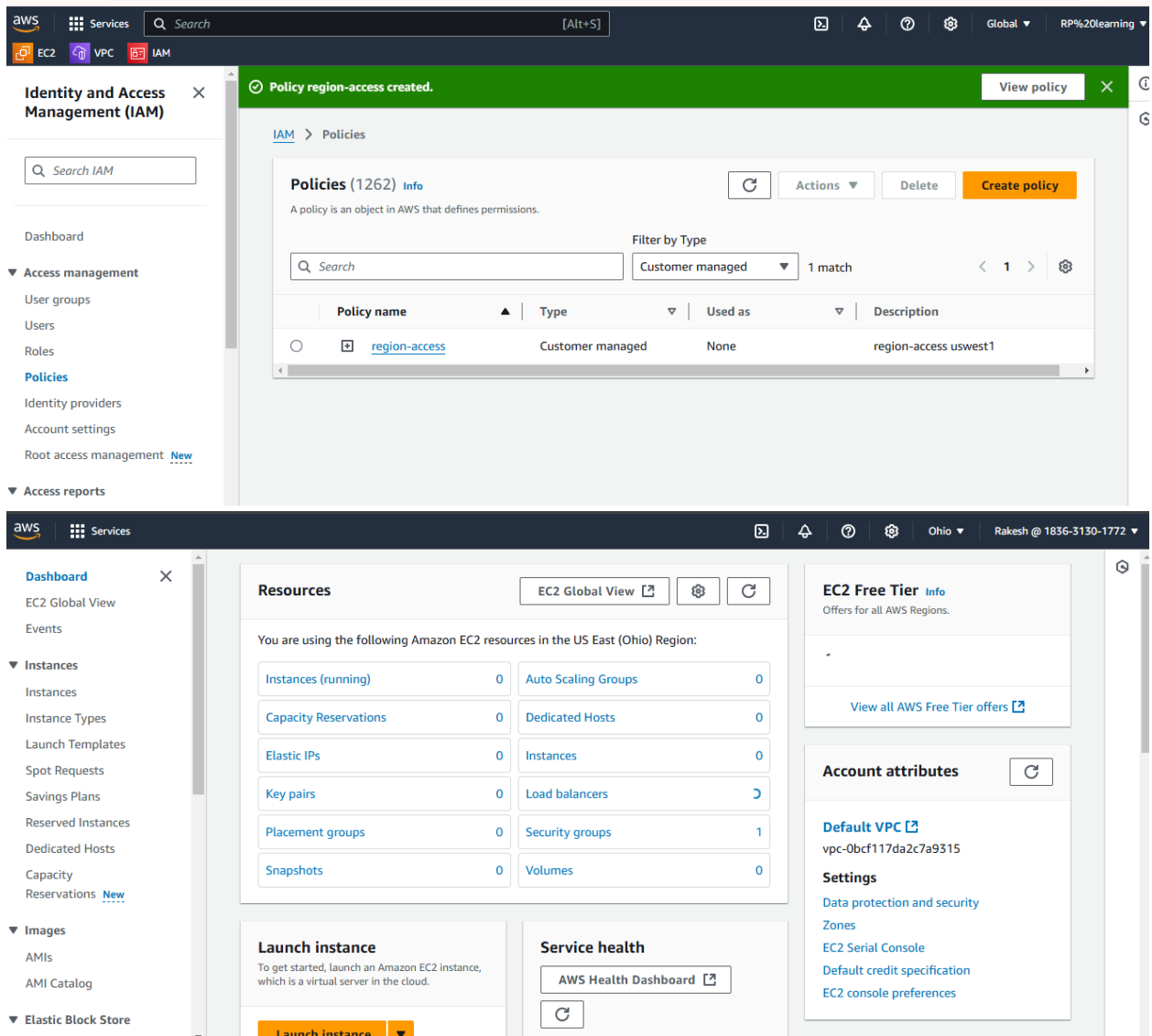
region-access uswest1

Maximum 1,000 characters. Use alphanumeric and '+=, @-\_' characters.

Permissions defined in this policy

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user group, or role), attach a policy to it

Edit



6) We have two accounts Account A and Account B, Account A user should access s3 bucket in Account B.