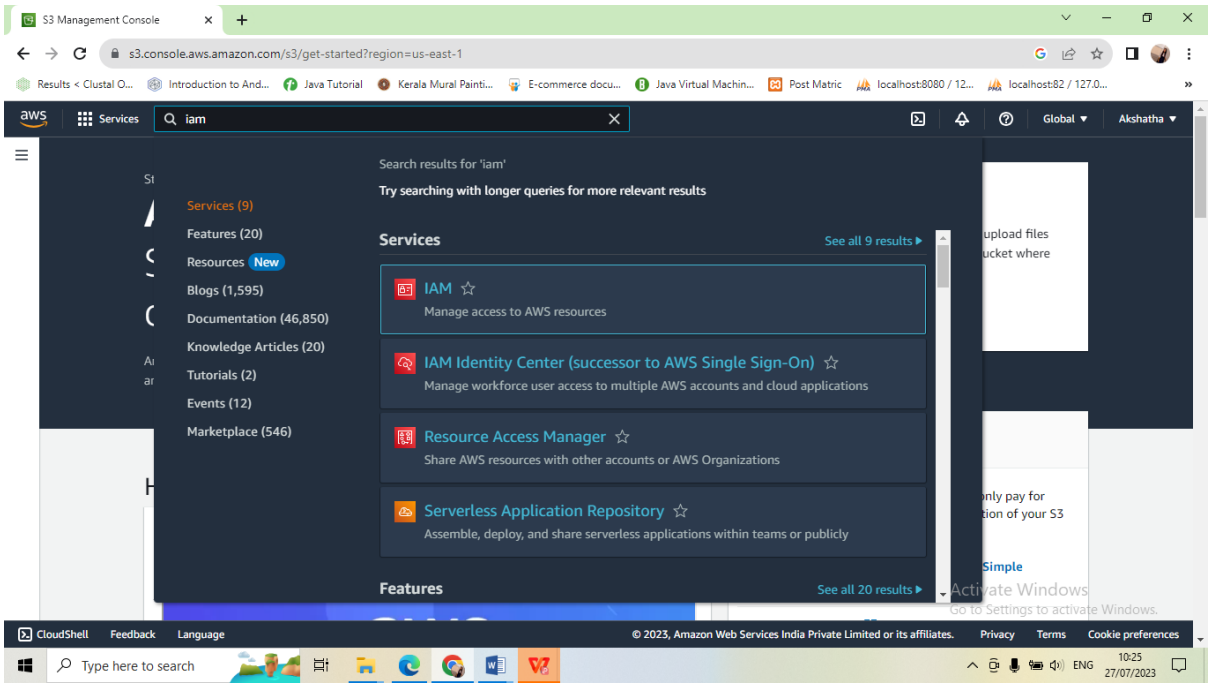
Phase5-15 Create an IAM User

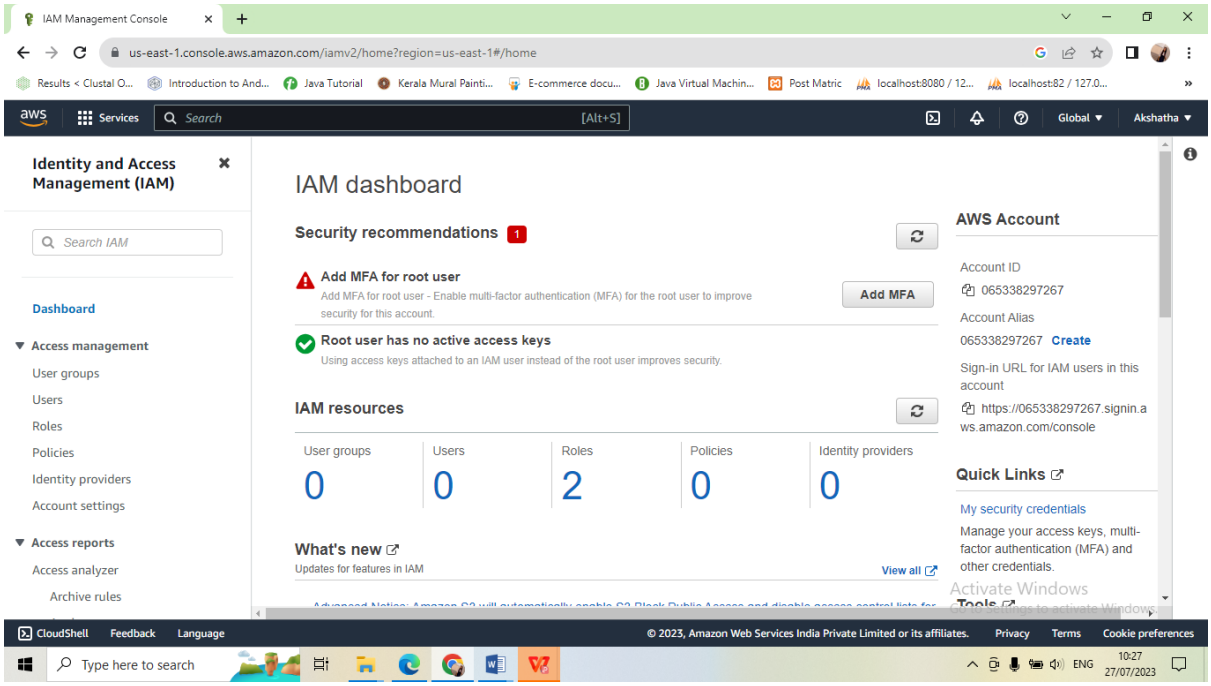
This section will guide you to:

- Create an IAM user
- Validate the newly created IAM user

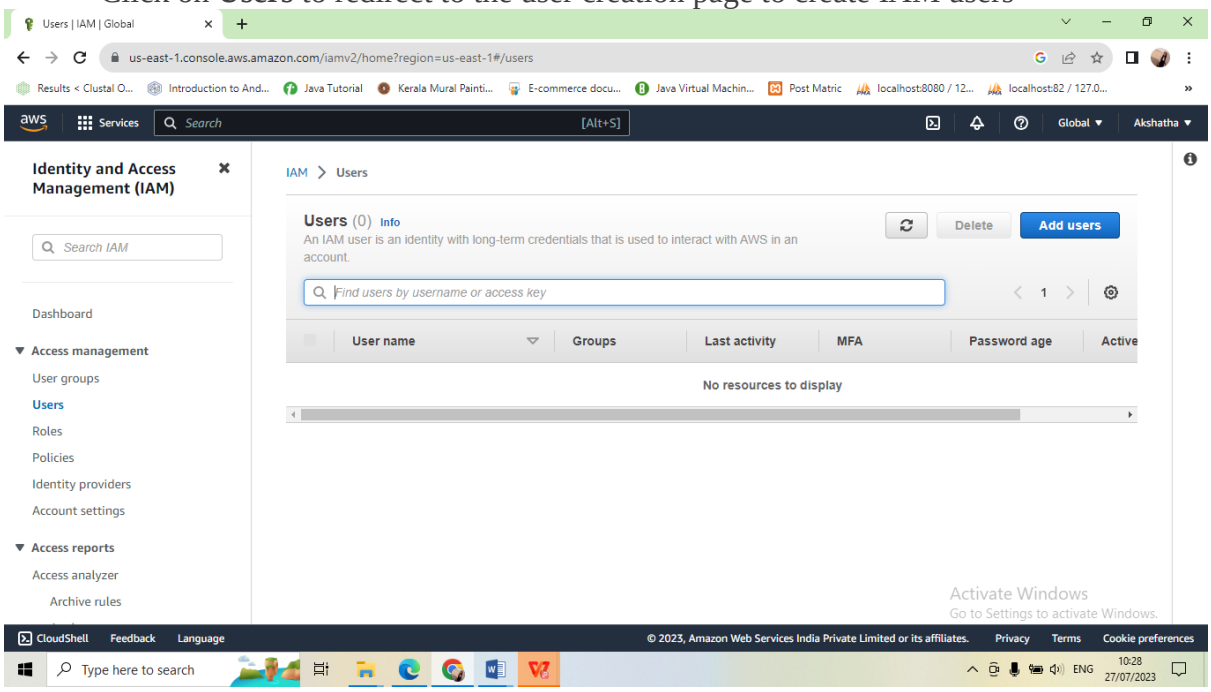
Selecting the IAM from the AWS console

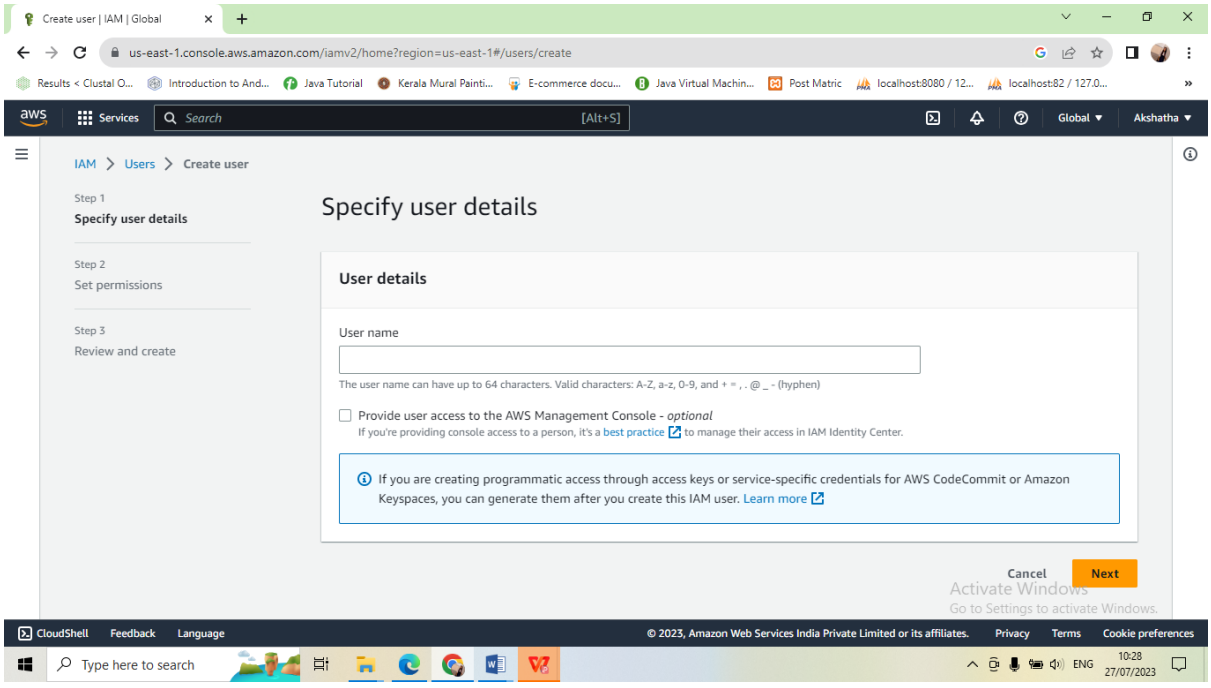
- Login to your AWS console and search for IAM

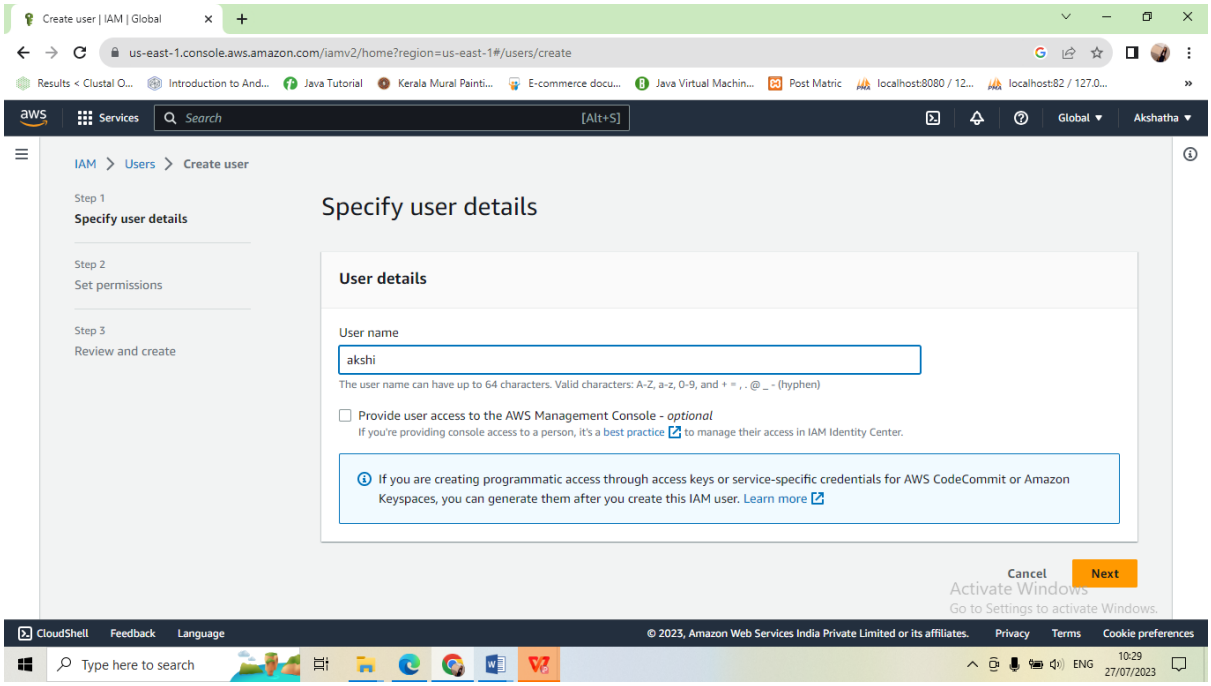




- Click on **Users** to redirect to the user creation page to create IAM users






Create user | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Akshatha
IAM > Users > Create user
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
Specify user details
User details
User name
akshi
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.
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
Activate Windows
Go to Settings to activate Windows.
CloudShell
Feedback
Language
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Cookie preferences
Type here to search
ENG
10:29
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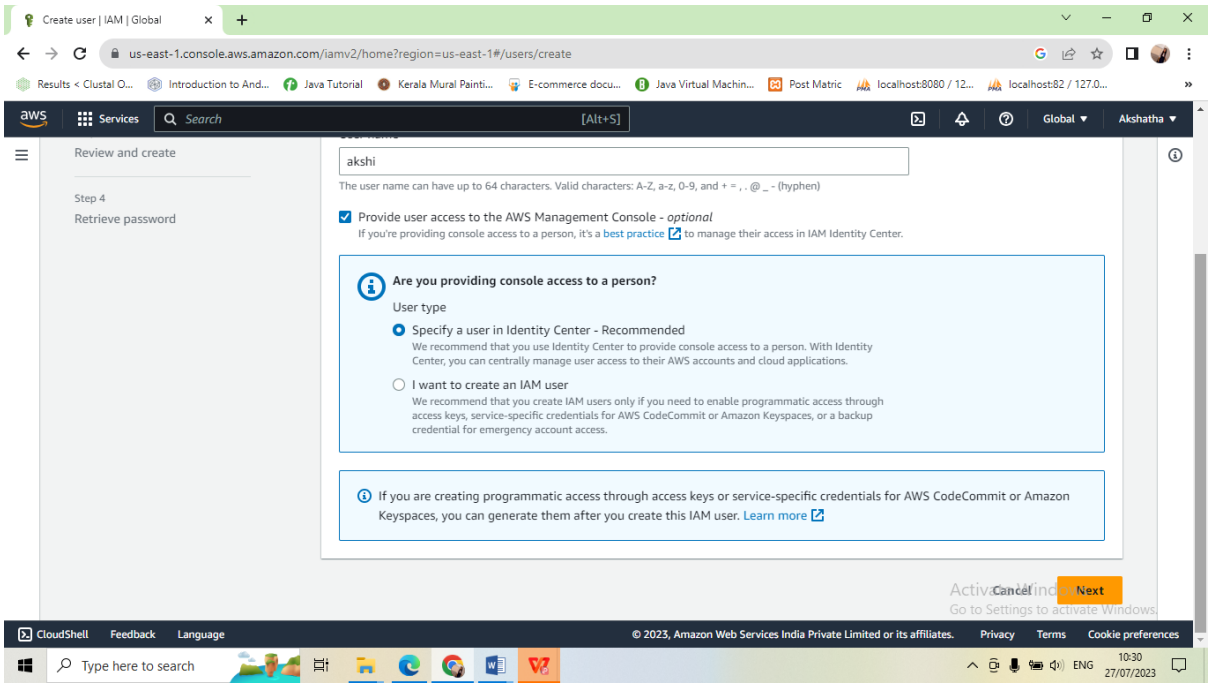
Create user | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Akshatha
Review and create
Step 4
Retrieve password
akshi
The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)
Provide 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.
Are you providing console access to a person?
User type
Specify a user in Identity Center - Recommended
We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.
I want to create an IAM user
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.
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
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ENG
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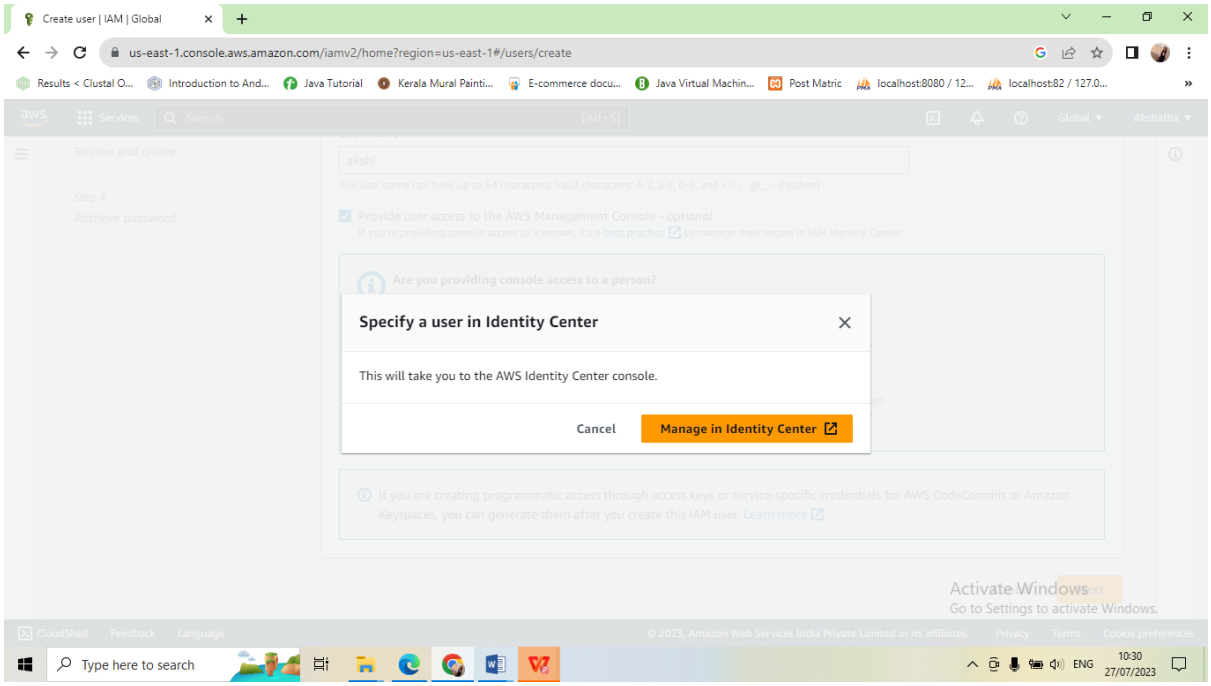
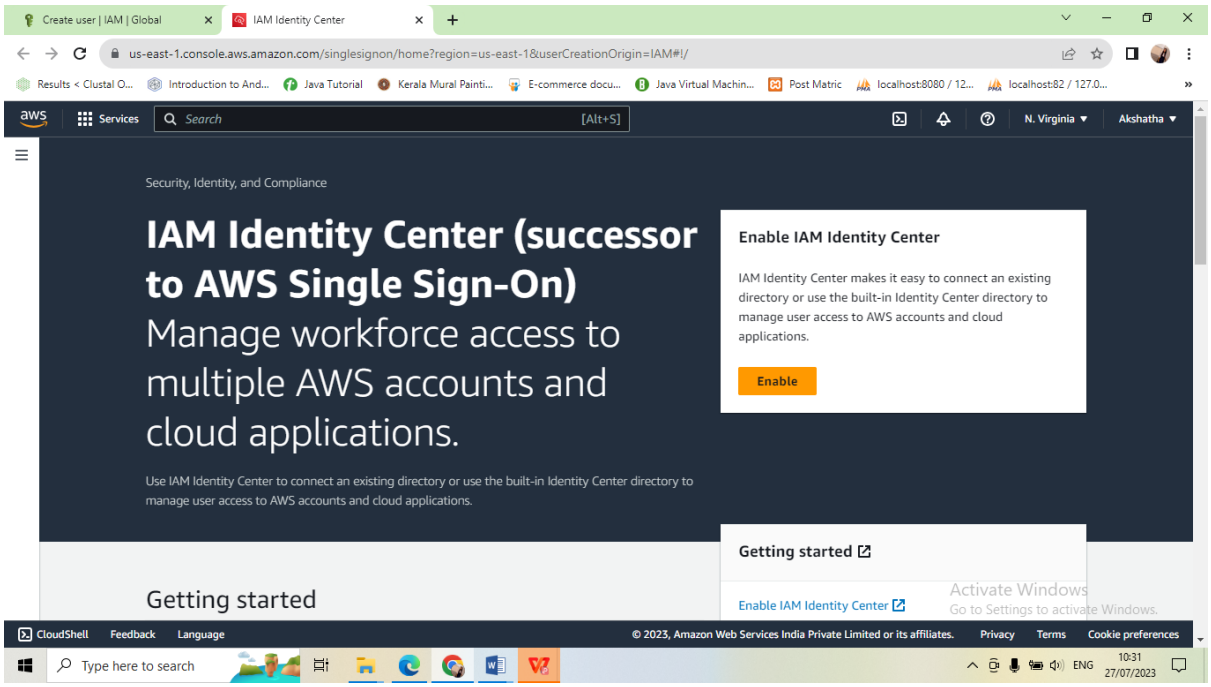

Create user | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Specify a user in Identity Center
This will take you to the AWS Identity Center console.
Cancel
Manage in Identity Center
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
10:30
27/07/2023


Create user | IAM | Global
IAM Identity Center
us-east-1.console.aws.amazon.com/singlesignon/home?region=us-east-1&userCreationOrigin=IAM#!/
Services
Search
[Alt+S]
N. Virginia
Akshatha
Security, Identity, and Compliance
IAM Identity Center (successor to AWS Single Sign-On)
Manage workforce access to multiple AWS accounts and cloud applications.
Use IAM Identity Center to connect an existing directory or use the built-in Identity Center directory to manage user access to AWS accounts and cloud applications.
Enable IAM Identity Center
IAM Identity Center makes it easy to connect an existing directory or use the built-in Identity Center directory to manage user access to AWS accounts and cloud applications.
Enable
Getting started
Enable IAM Identity Center
Getting started
Activate Windows
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CloudShell
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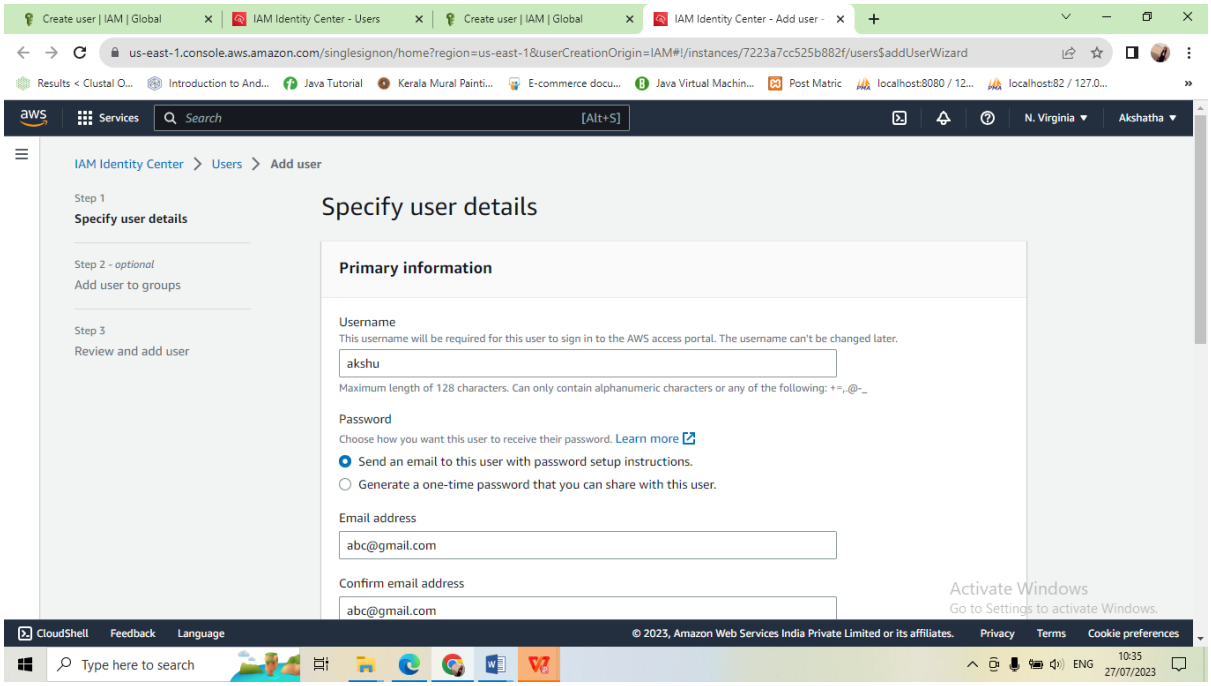
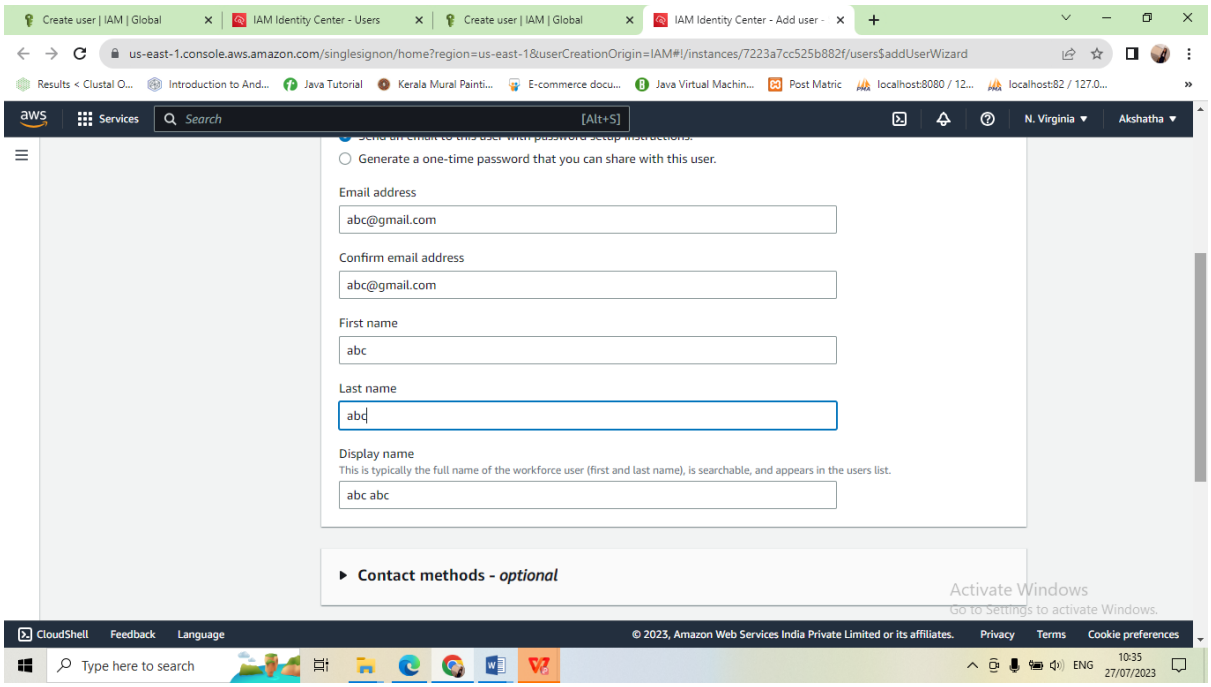
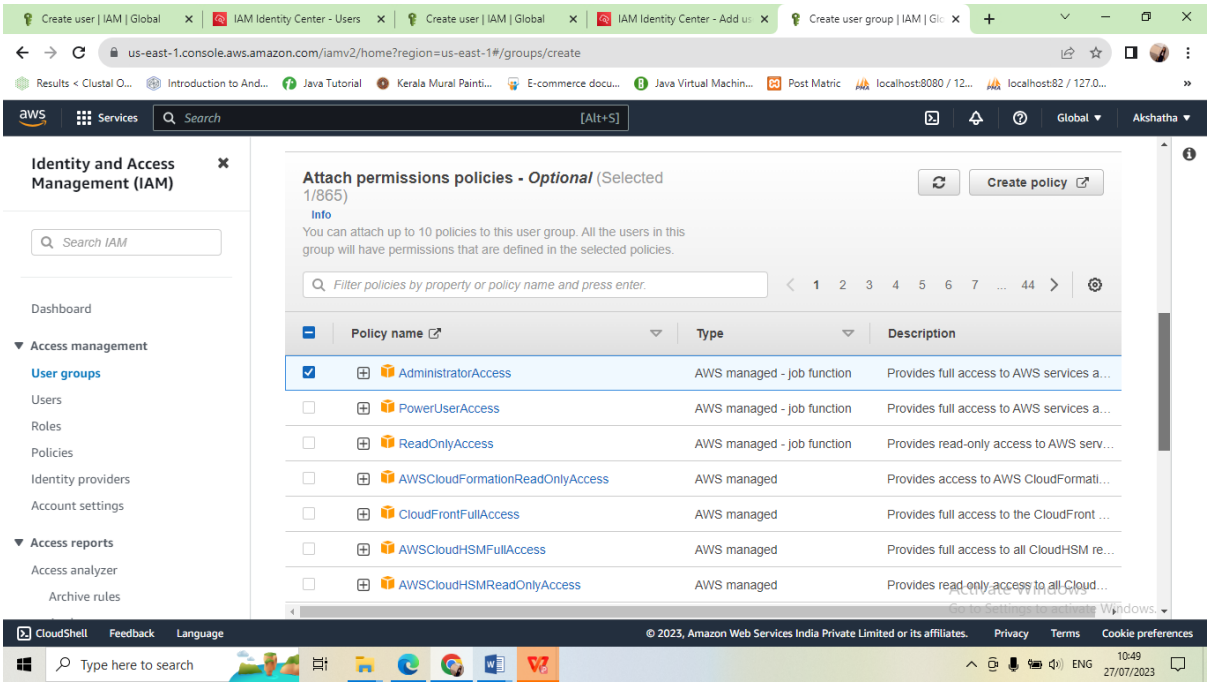




- Either we can add user to the created group or we can add policy as shown below:


Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add u
Create user group | IAM | Gl
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/groups/create
Results < Clustal O...
Introduction to And...
Java Tutorial
Kerala Mural Painti...
E-commerce docu...
Java Virtual Machin...
Post Matric
localhost:8080 / 12...
localhost:82 / 127.0...
aws
Services
Search
[Alt+S]
Global
Akshatha
Identity and Access Management (IAM)
Search IAM
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Attach permissions policies - Optional (Selected 1/865)
Info
You can attach up to 10 policies to this user group. All the users in this group will have permissions that are defined in the selected policies.
Create policy
Filter policies by property or policy name and press enter.
1 2 3 4 5 6 7 ... 44
Policy name
Type
Description
AdministratorAccess
AWS managed - job function
Provides full access to AWS services a...
PowerUserAccess
AWS managed - job function
Provides full access to AWS services a...
ReadOnlyAccess
AWS managed - job function
Provides read-only access to AWS serv...
AWSCloudFormationReadOnlyAccess
AWS managed
Provides access to AWS CloudFormati...
CloudFrontFullAccess
AWS managed
Provides full access to the CloudFront ...
AWSCloudHSMFullAccess
AWS managed
Provides full access to all CloudHSM re...
AWSCloudHSMReadOnlyAccess
AWS managed
Provides read-only access to all Cloud...
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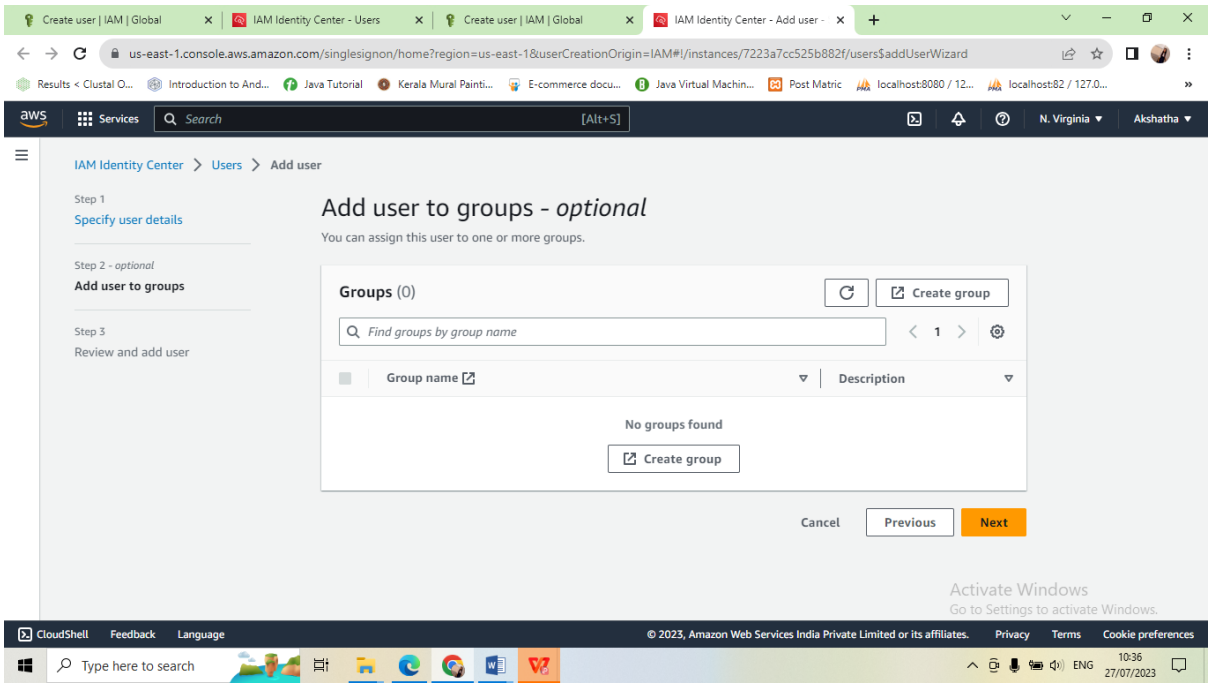
Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add user -
us-east-1.console.aws.amazon.com/singlesignon/home?region=us-east-1&userCreationOrigin=IAM#!/instances/7223a7cc525b882f/users$addUserWizard
Results < Clustal O...
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Java Virtual Machin...
Post Matric
localhost:8080 / 12...
localhost:82 / 127.0...
aws
Services
Search
[Alt+S]
N. Virginia
Akshatha
IAM Identity Center > Users > Add user
Step 1
Specify user details
Step 2 - optional
Add user to groups
Step 3
Review and add user
Add user to groups - optional
You can assign this user to one or more groups.
Groups (0)
Create group
Find groups by group name
1
Group name
Description
No groups found
Create group
Cancel
Previous
Next
Activate Windows
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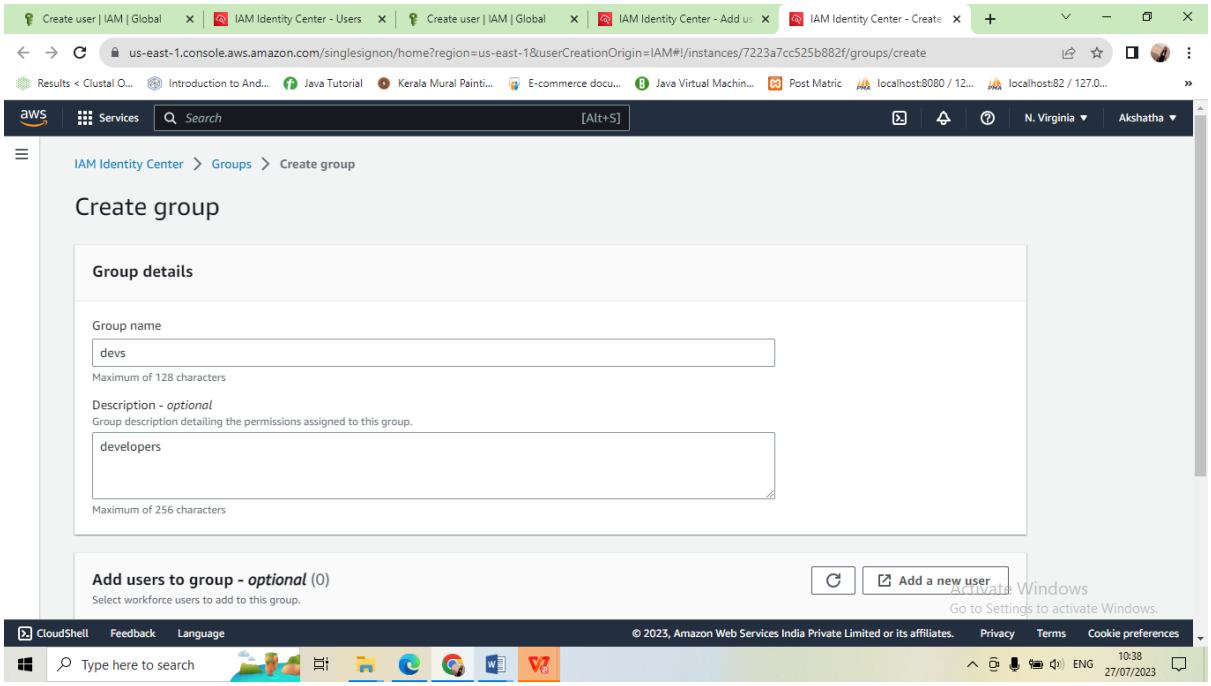
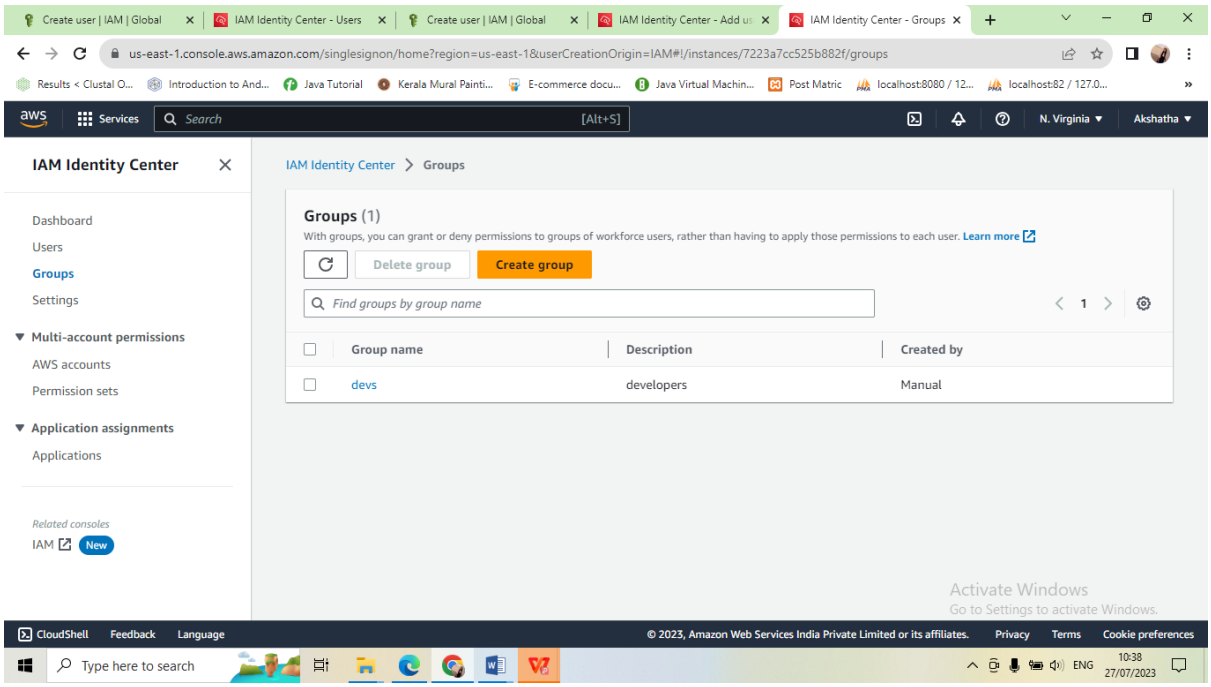
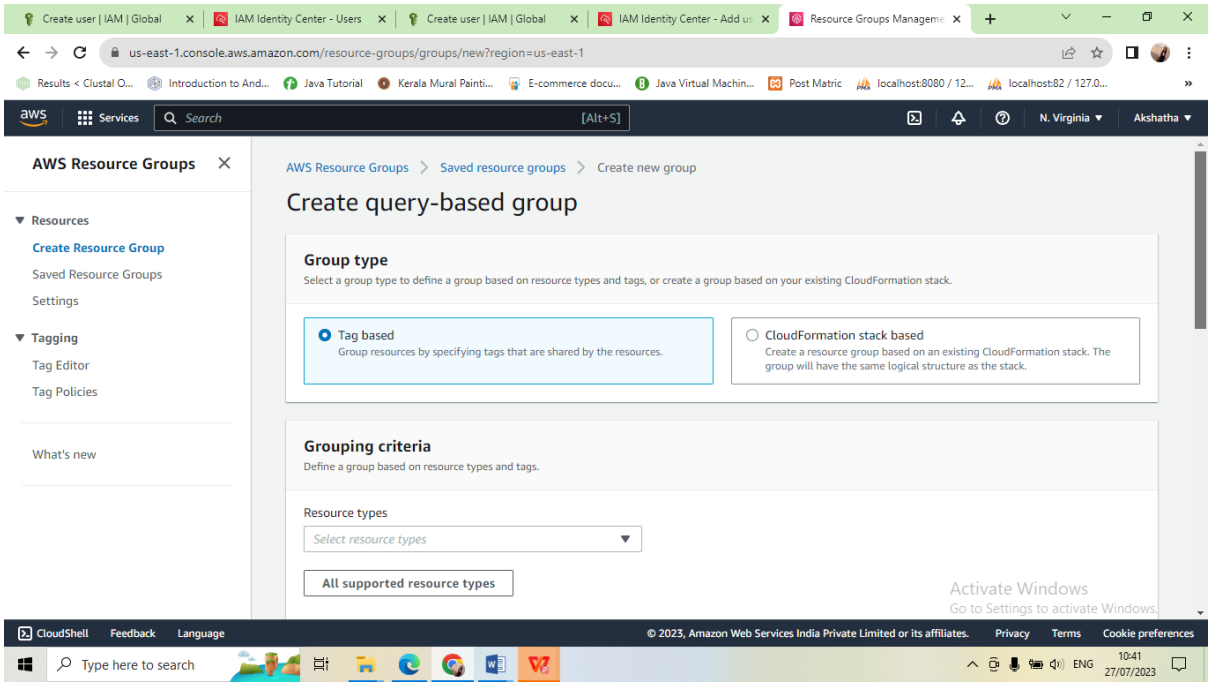




In case a user needs to add a policy first, then he or she needs to search and then add policy to the user


Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add us
Resource Groups Manageme
us-east-1.console.aws.amazon.com/resource-groups/groups/new?region=us-east-1
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Akshatha
AWS Resource Groups
Resources
Create Resource Group
Saved Resource Groups
Settings
Tagging
Tag Editor
Tag Policies
What's new
AWS Resource Groups > Saved resource groups > Create new group
Create query-based group
Group type
Select a group type to define a group based on resource types and tags, or create a group based on your existing CloudFormation stack.
Tag based
Group resources by specifying tags that are shared by the resources.
CloudFormation stack based
Create a resource group based on an existing CloudFormation stack. The group will have the same logical structure as the stack.
Grouping criteria
Define a group based on resource types and tags.
Resource types
Select resource types
All supported resource types
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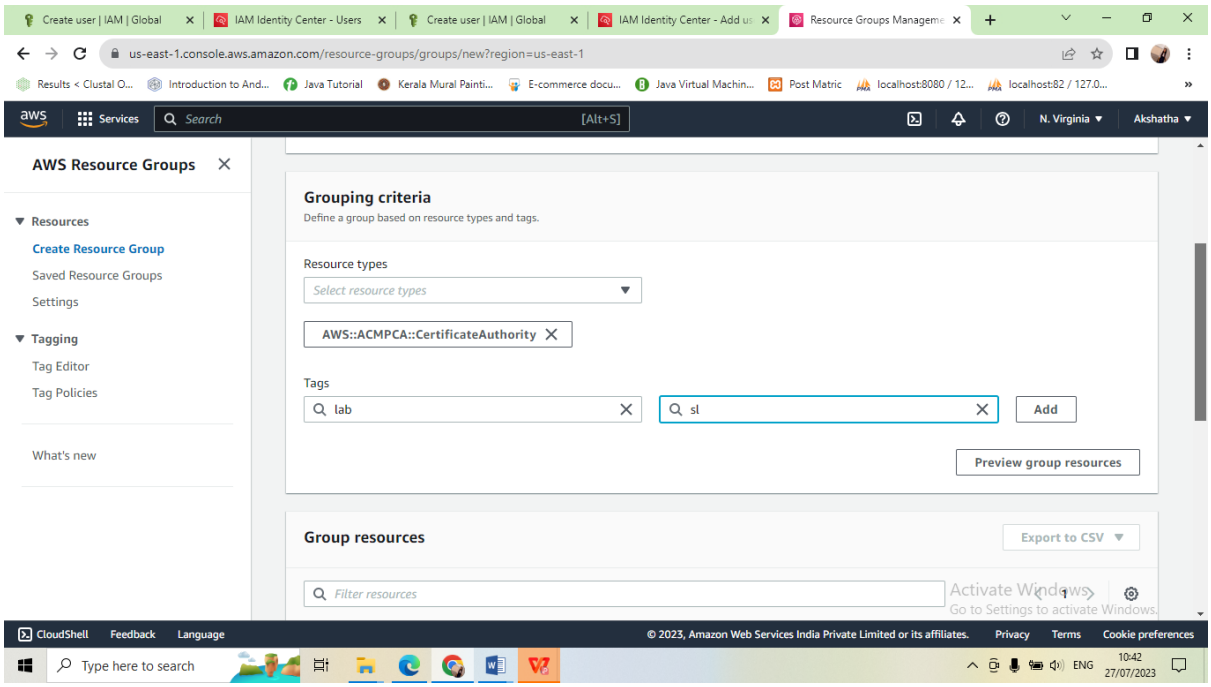
Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add us
Resource Groups Manageme
us-east-1.console.aws.amazon.com/resource-groups/groups/new?region=us-east-1
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AWS Resource Groups
Resources
Create Resource Group
Saved Resource Groups
Settings
Tagging
Tag Editor
Tag Policies
What's new
Grouping criteria
Define a group based on resource types and tags.
Resource types
Select resource types
AWS::ACMPCA::CertificateAuthority
Tags
lab
sl
Add
Preview group resources
Group resources
Export to CSV
Filter resources
1
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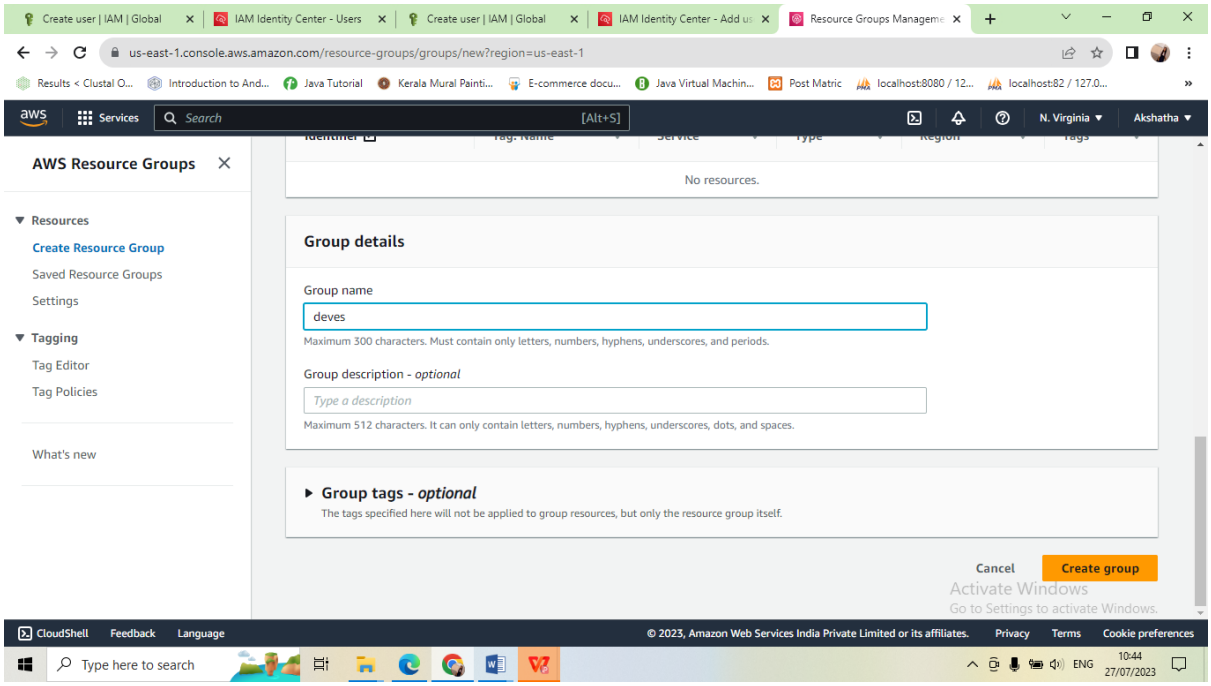
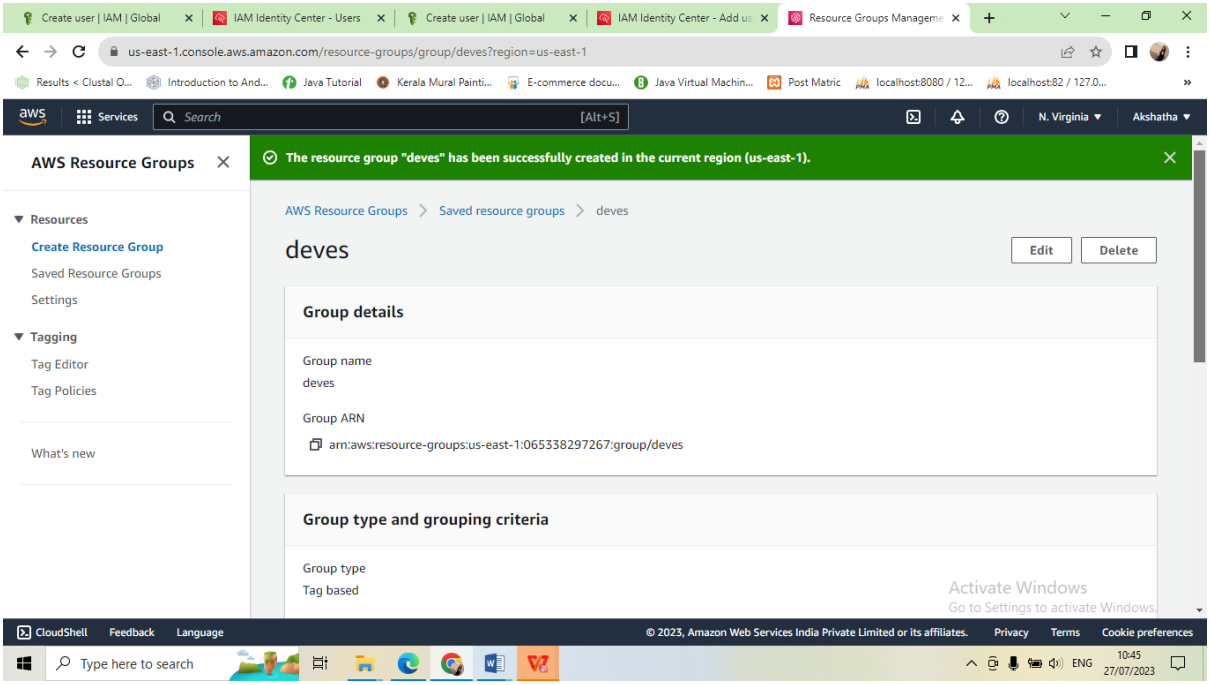
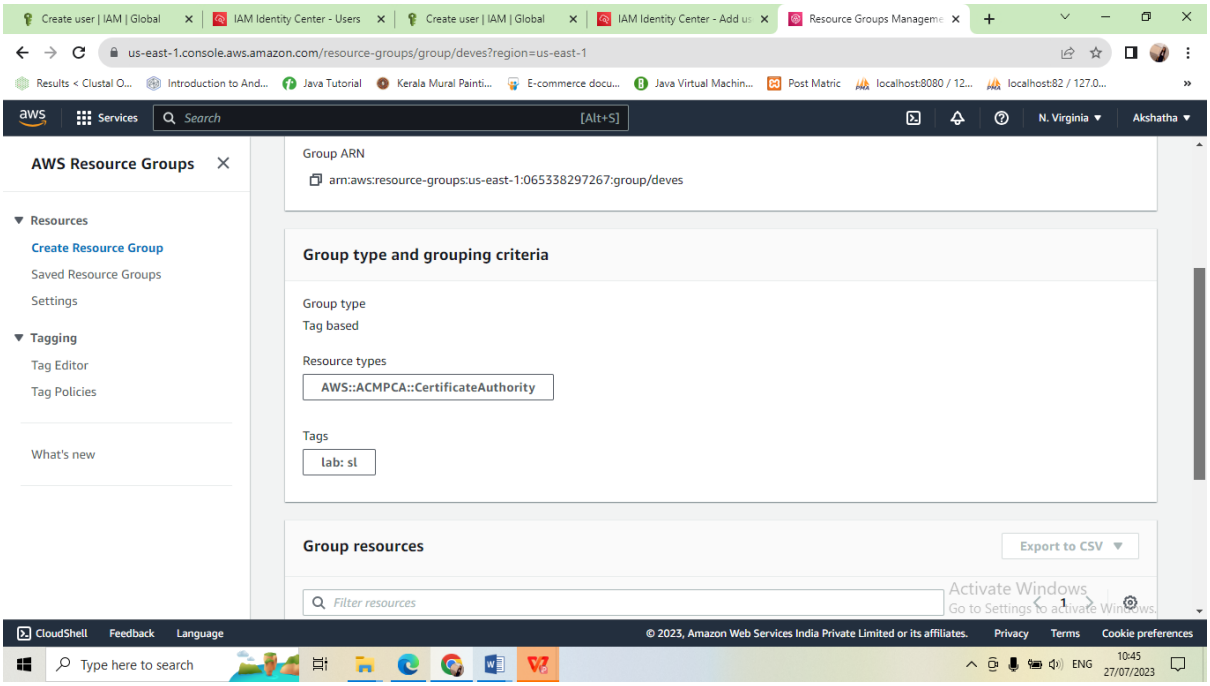


- Finally, it will create a user with a group or an added policy




Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add us
Resource Groups Manageme
us-east-1.console.aws.amazon.com/resource-groups/group/deves?region=us-east-1
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AWS Resource Groups
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Create Resource Group
Saved Resource Groups
Settings
Tagging
Tag Editor
Tag Policies
What's new
Group ARN
arn:aws:resource-groups:us-east-1:065338297267:group/deves
Group type and grouping criteria
Group type
Tag based
Resource types
AWS::ACMPCA::CertificateAuthority
Tags
lab: sl
Group resources
Export to CSV
Filter resources
1
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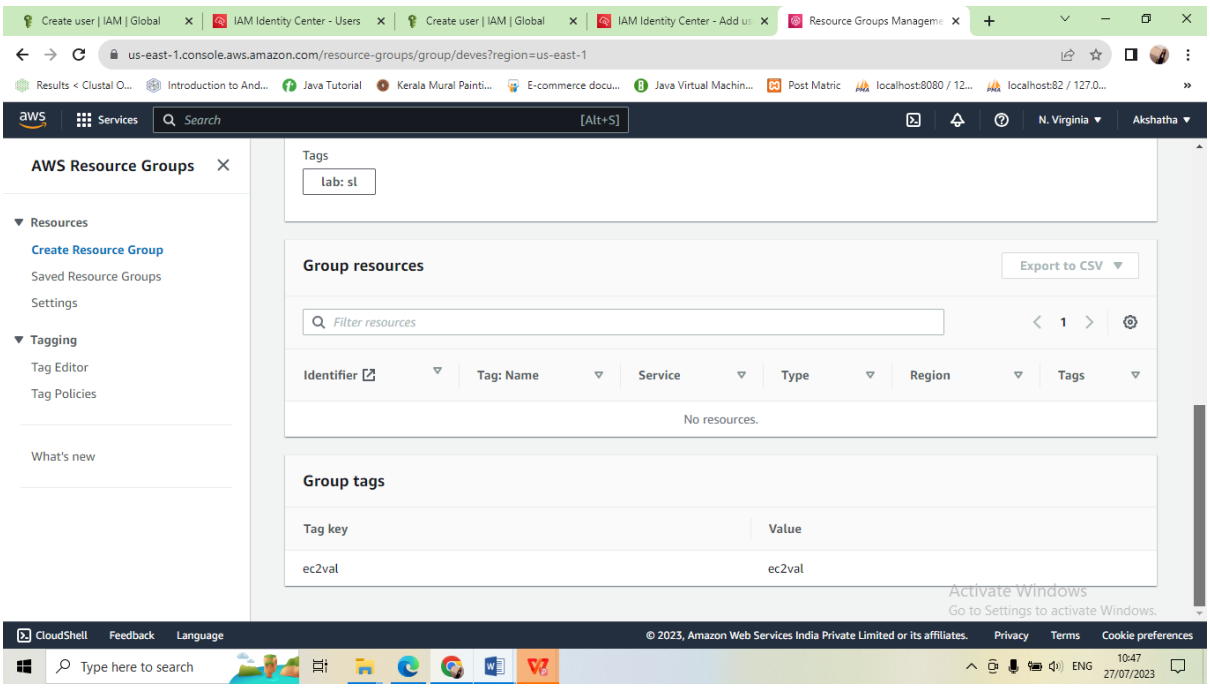
Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add us
Resource Groups Manageme
us-east-1.console.aws.amazon.com/resource-groups/group/deves?region=us-east-1
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Settings
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Tag Editor
Tag Policies
What's new
Tags
lab: sl
Group resources
Export to CSV
Filter resources
1
Identifier
Tag: Name
Service
Type
Region
Tags
No resources.
Group tags
Tag key
Value
ec2val
ec2val
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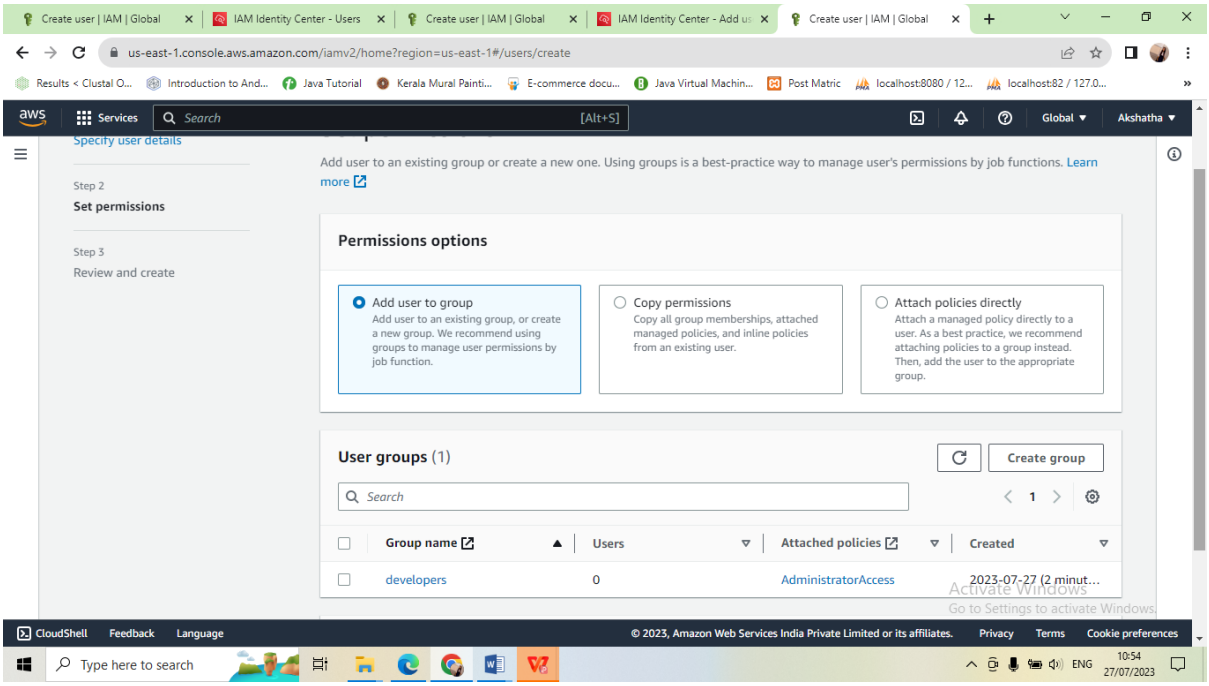
Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add us
Create user | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
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Akshatha
Specify user details
Step 2
Set permissions
Step 3
Review and create
Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. Learn more
Permissions options
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)
Create group
Search
1
Group name
Users
Attached policies
Created
developers
0
AdministratorAccess
2023-07-27 (2 minut...
Activate Windows
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10:54
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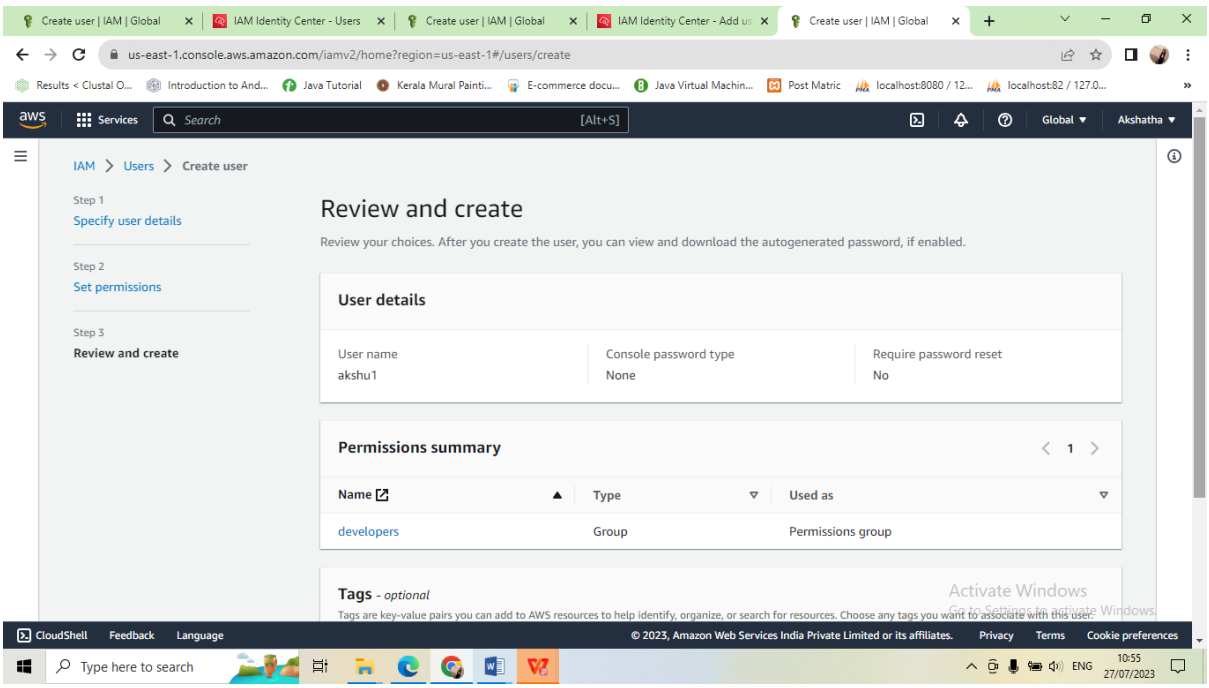
Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add us
Create user | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
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localhost:82 / 127.0...
aws
Services
Search
[Alt+S]
Global
Akshatha
IAM > Users > Create user
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
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
akshu1
Console password type
None
Require password reset
No
Permissions summary
1
Name
Type
Used as
developers
Group
Permissions group
Tags - optional
Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.
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Go to Settings to activate Windows.
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10:55
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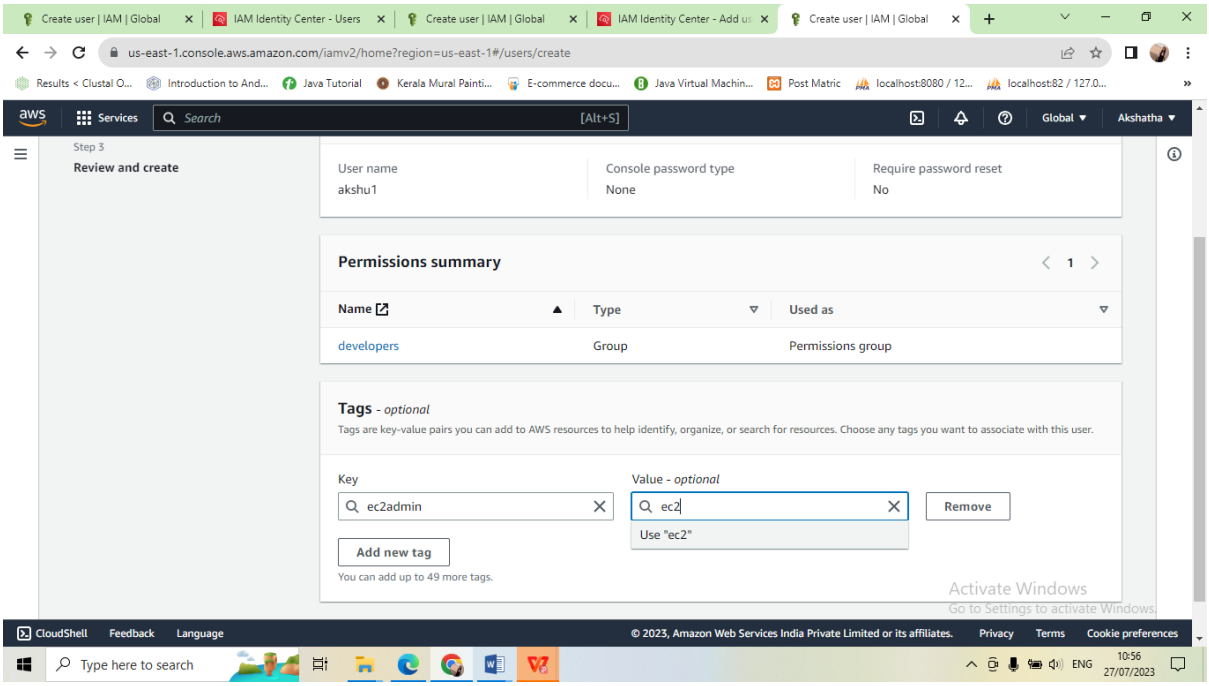
Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add us
Create user | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Results < Clustal O...
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localhost:82 / 127.0...
aws
Services
Search
[Alt+S]
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Step 3
Review and create
User name
akshu1
Console password type
None
Require password reset
No
Permissions summary
1
Name
Type
Used as
developers
Group
Permissions group
Tags - optional
Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.
Key
ec2admin
Value - optional
ec2
Use "ec2"
Remove
Add new tag
You can add up to 49 more tags.
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Go to Settings to activate Windows.
CloudShell
Feedback
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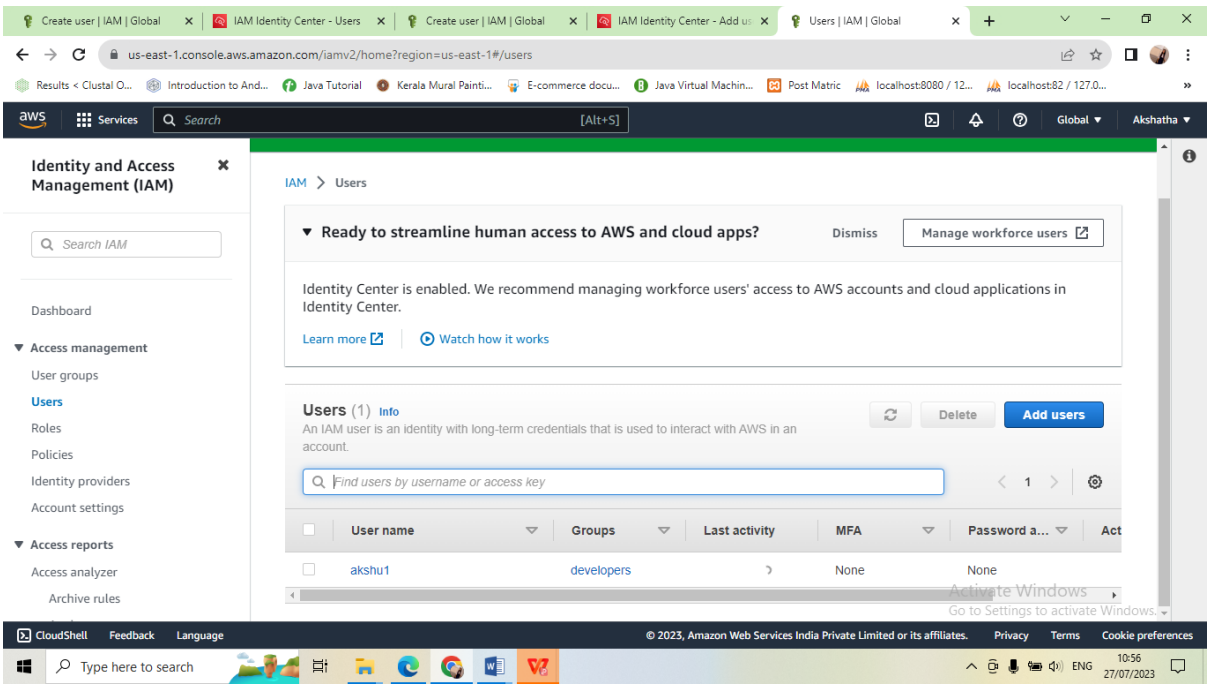
Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add us
Users | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users
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Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
IAM > Users
Ready to streamline human access to AWS and cloud apps?
Dismiss
Manage workforce users
Identity Center is enabled. We recommend managing workforce users' access to AWS accounts and cloud applications in Identity Center.
Learn more
Watch how it works
Users (1) Info
An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.
Delete
Add users
Find users by username or access key
1
User name
Groups
Last activity
MFA
Password a...
Act
akshu1
developers
None
None
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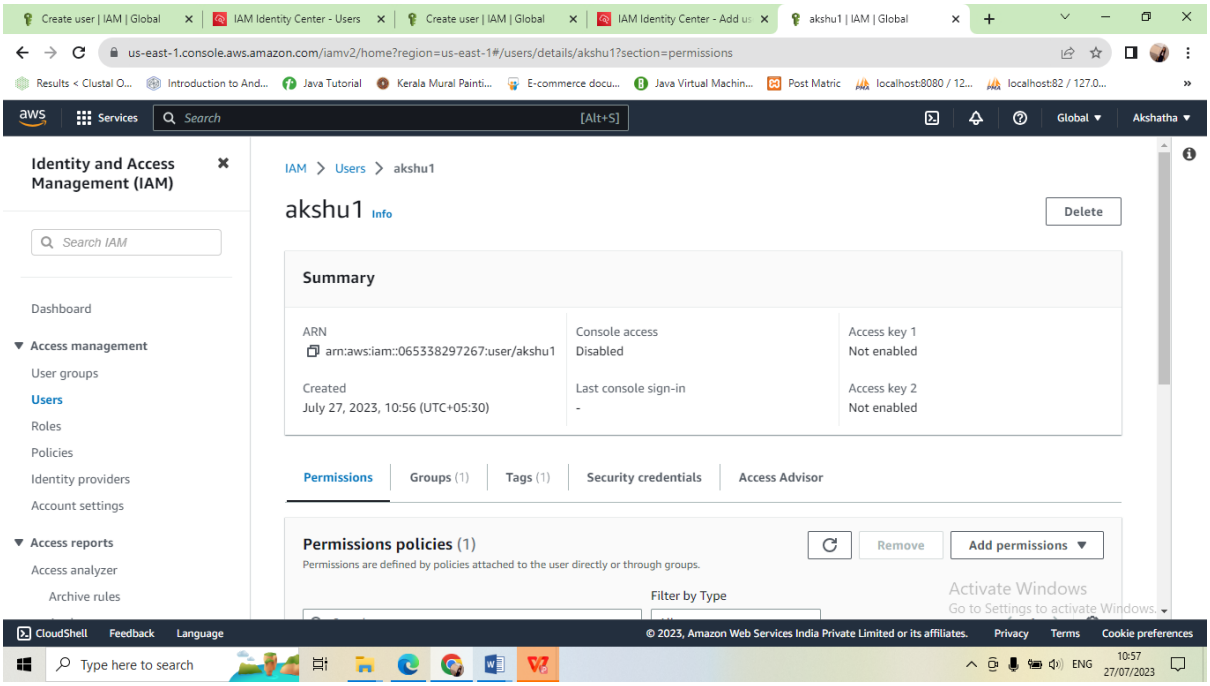
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IAM Identity Center - Add u
akshu1 | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/details/akshu1?section=permissions
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Archive rules
IAM > Users > akshu1
akshu1 Info
Delete
Summary
ARN
arn:aws:iam::065338297267:user/akshu1
Console access
Disabled
Access key 1
Not enabled
Created
July 27, 2023, 10:56 (UTC+05:30)
Last console sign-in
-
Access key 2
Not enabled
Permissions
Groups (1)
Tags (1)
Security credentials
Access Advisor
Permissions policies (1)
Permissions are defined by policies attached to the user directly or through groups.
Remove
Add permissions
Filter by Type
Activate Windows
Go to Settings to activate Windows.
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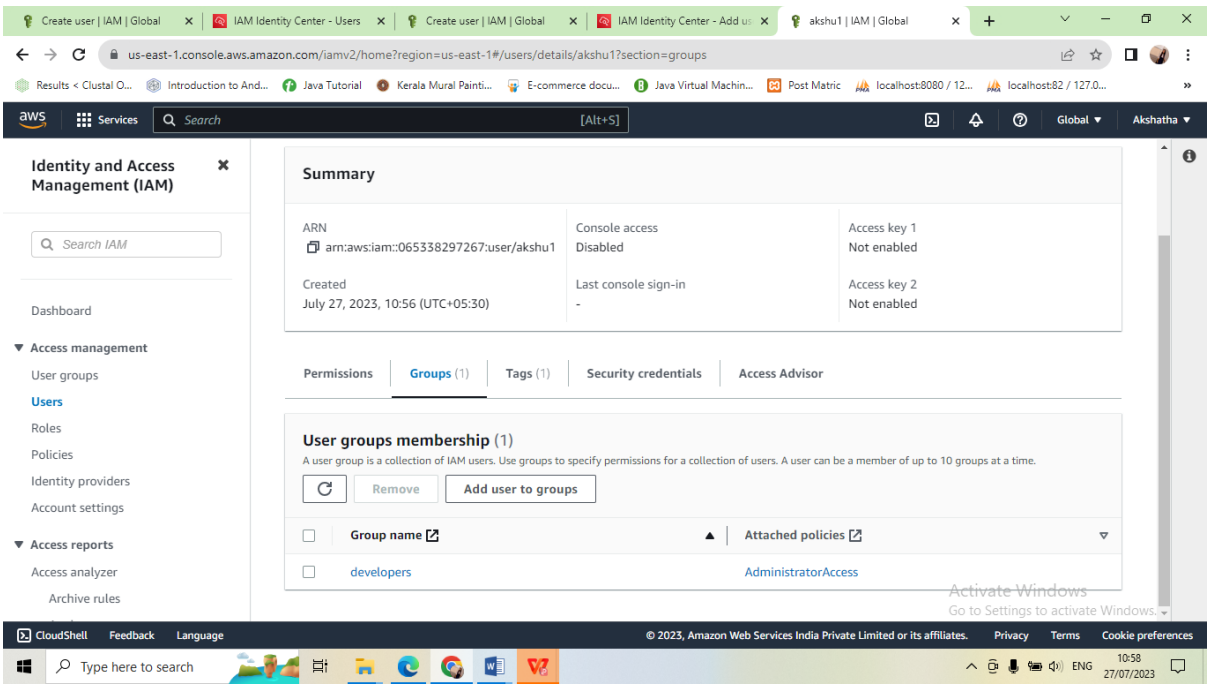
Create user | IAM | Global
IAM Identity Center - Users
Create user | IAM | Global
IAM Identity Center - Add u
akshu1 | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/details/akshu1?section=groups
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arn:aws:iam::065338297267:user/akshu1
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Last console sign-in
-
Access key 2
Not enabled
Permissions
Groups (1)
Tags (1)
Security credentials
Access Advisor
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.
Remove
Add user to groups
Group name
Attached policies
developers
AdministratorAccess
Activate Windows
Go to Settings to activate Windows.
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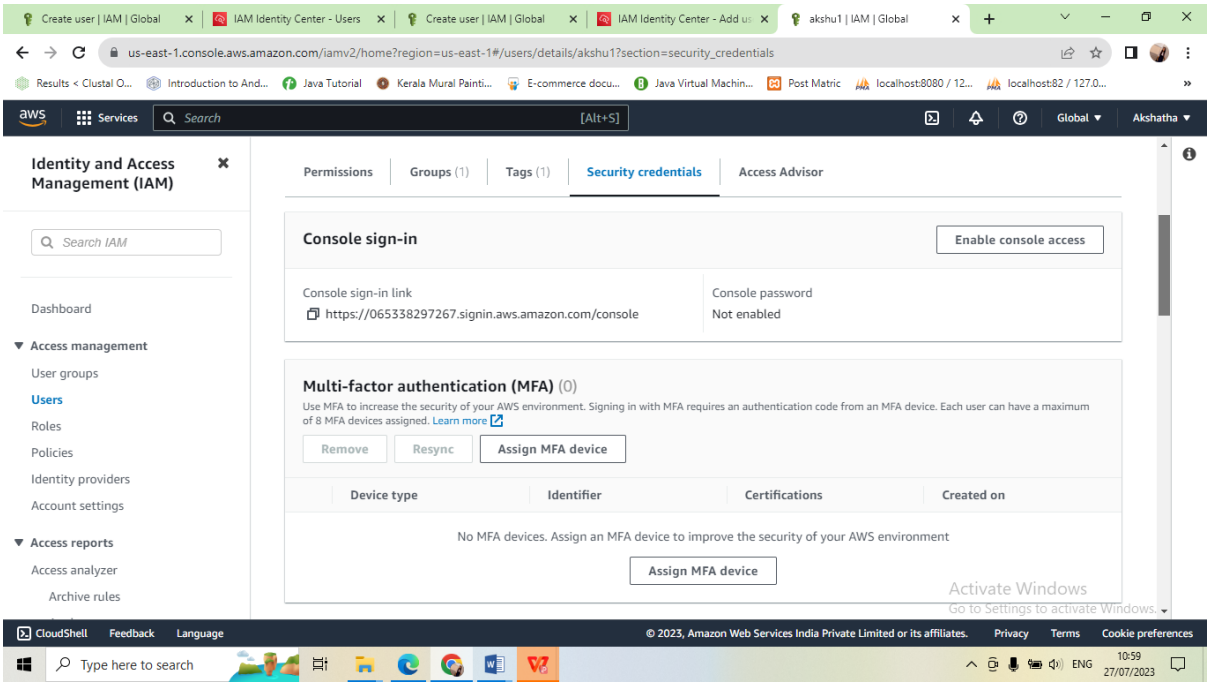
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IAM Identity Center - Add u
akshu1 | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/details/akshu1?section=security_credentials
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Groups (1)
Tags (1)
Security credentials
Access Advisor
Console sign-in
Enable console access
Console sign-in link
https://065338297267.signin.aws.amazon.com/console
Console password
Not enabled
Multi-factor authentication (MFA) (0)
Use MFA to increase the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA device. Each user can have a maximum of 8 MFA devices assigned. Learn more
Remove
Resync
Assign MFA device
Device type
Identifier
Certifications
Created on
No MFA devices. Assign an MFA device to improve the security of your AWS environment
Assign MFA device
Activate Windows
Go to Settings to activate Windows.
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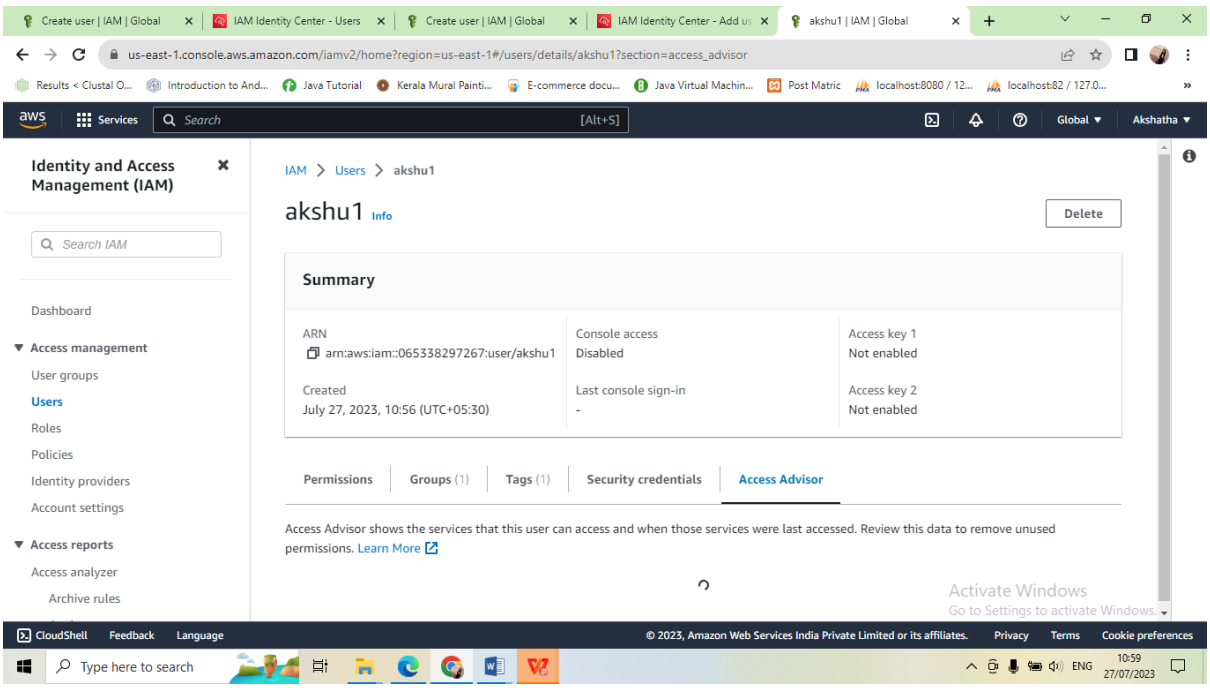
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IAM Identity Center - Add u
akshu1 | IAM | Global
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-
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Not enabled
Permissions
Groups (1)
Tags (1)
Security credentials
Access Advisor
Access Advisor shows the services that this user can access and when those services were last accessed. Review this data to remove unused permissions. Learn More
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