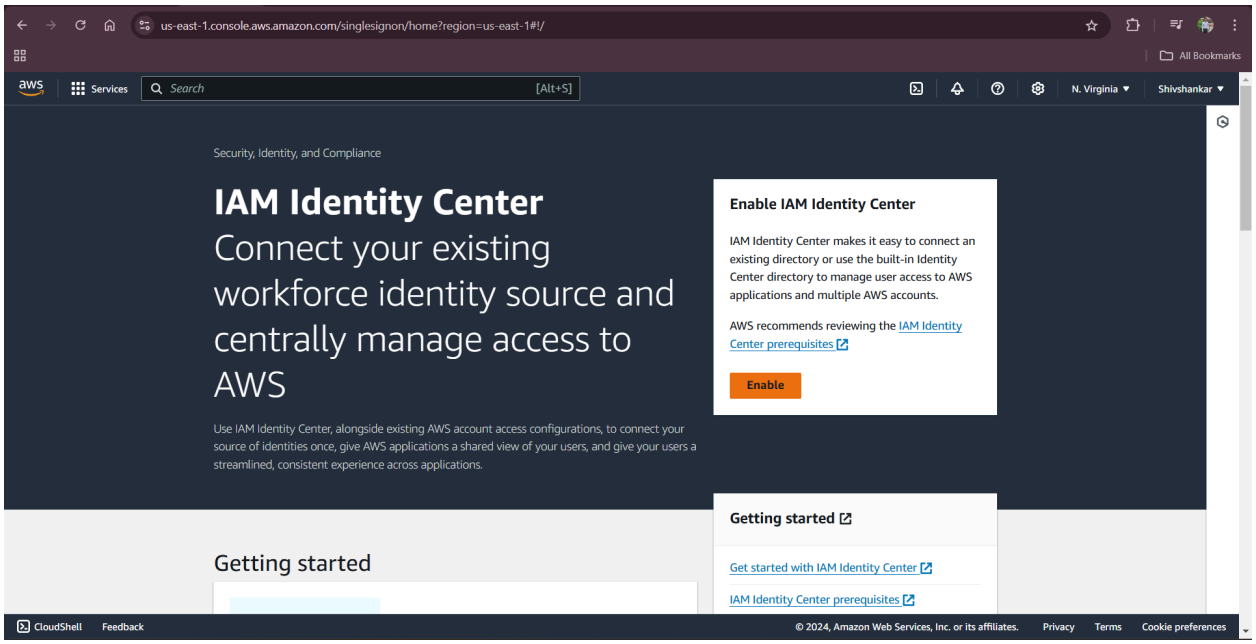
Group Members:
Shivshankar Ghyar [202201040031]
Manavi Pawar [202201040050]
Tejas Gophane [202201040063]

CLOUD PRACTICAL 02

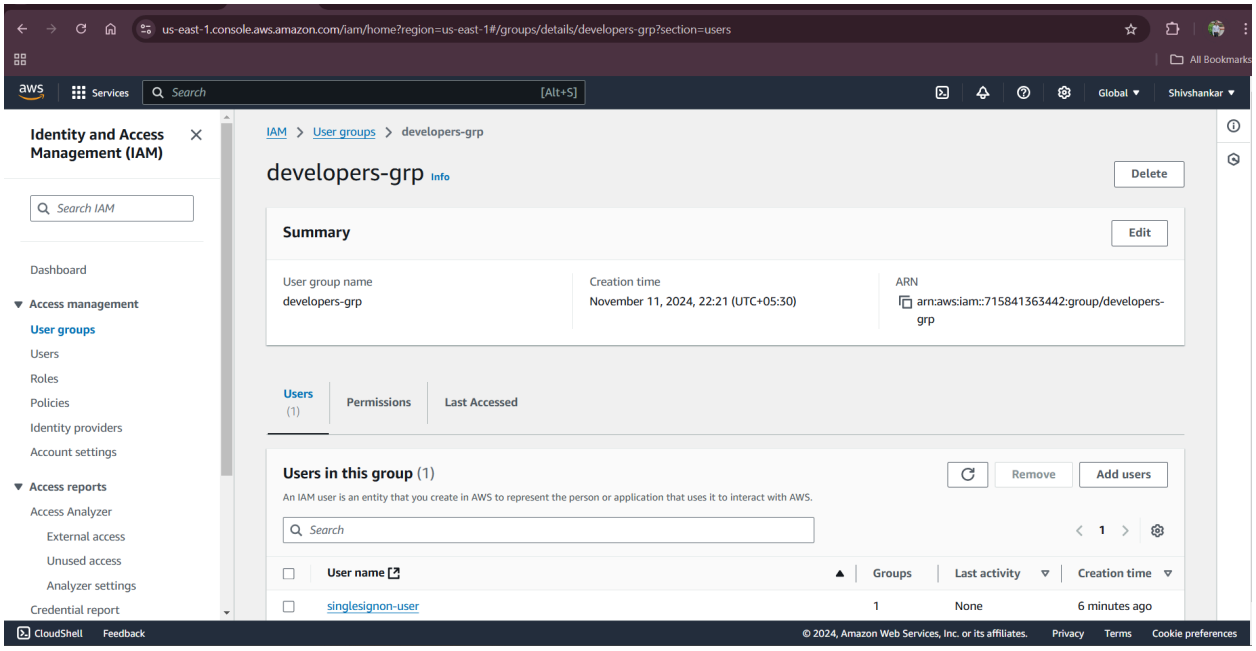
Single Sign On

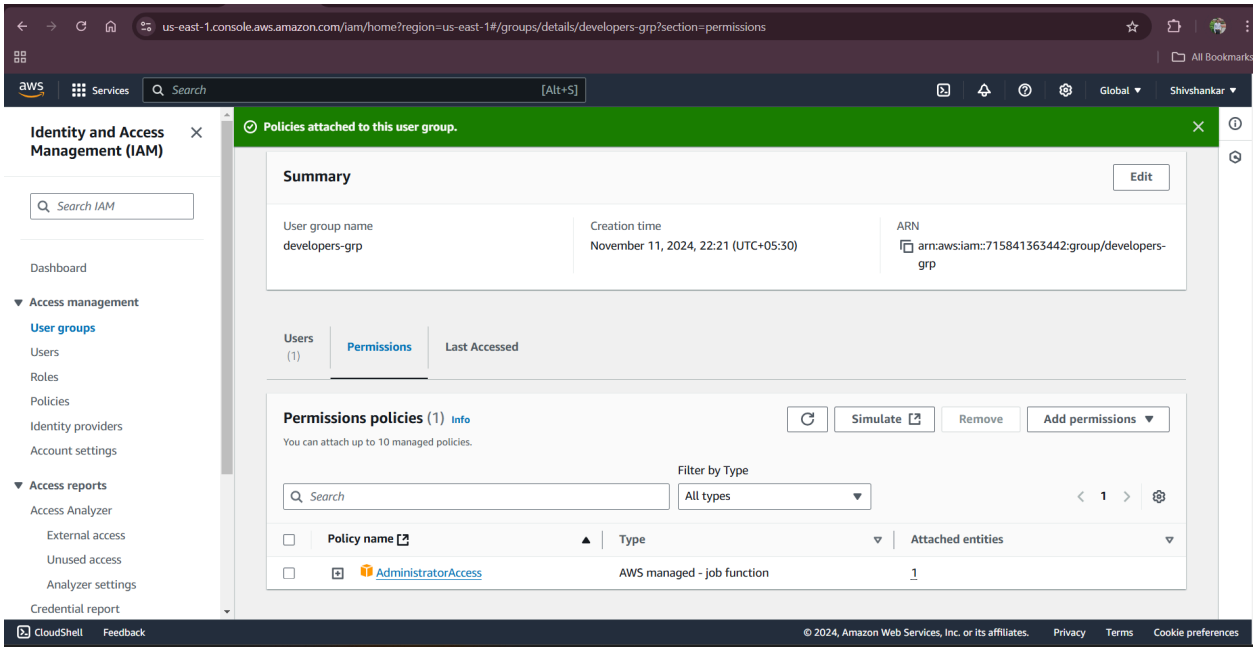
Single Sign-On (SSO) is a centralized authentication process that enables users to access multiple applications or services with a single set of login credentials.

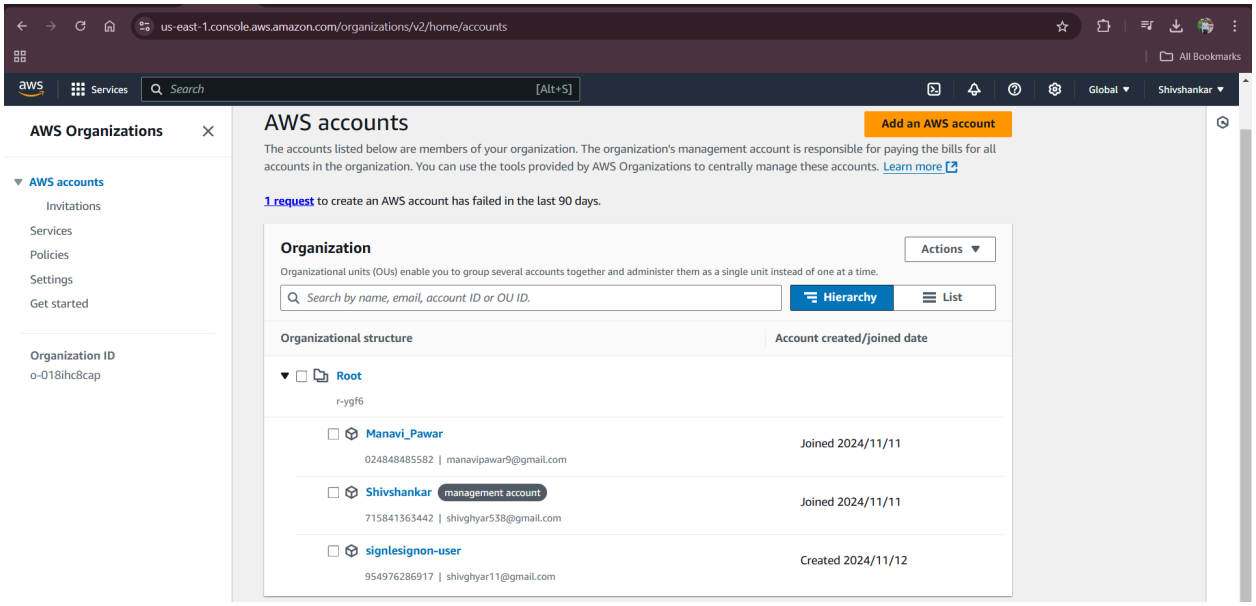
Step 1: Enable IAM Identity Center

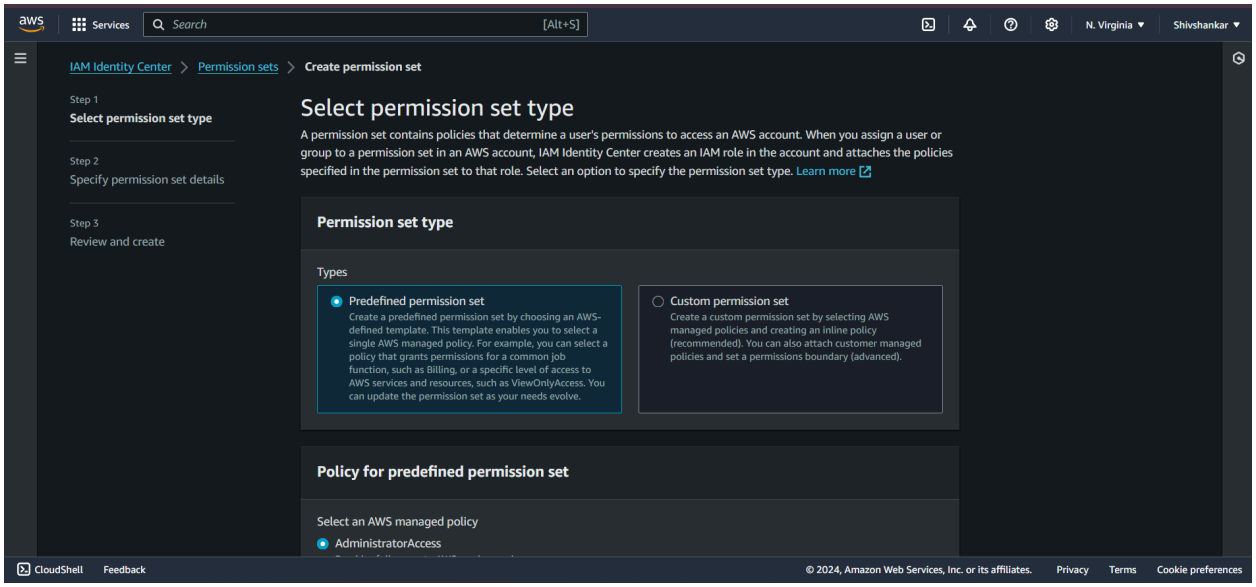


Step2 Configure User and Group Access


us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/developers-grp?section=users
Identity and Access Management (IAM)
IAM > User groups > developers-grp
developers-grp Info
Delete
Summary
Edit
User group name
developers-grp
Creation time
November 11, 2024, 22:21 (UTC+05:30)
ARN
arn:aws:iam::715841363442:group/developers-grp
Users (1)
Permissions
Last Accessed
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.
Remove
Add users
User name
Groups
Last activity
Creation time
singlesignon-user
1
None
6 minutes ago


us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/developers-grp?section=permissions
Policies attached to this user group.
Identity and Access Management (IAM)
Summary
Edit
User group name
developers-grp
Creation time
November 11, 2024, 22:21 (UTC+05:30)
ARN
arn:aws:iam::715841363442:group/developers-grp
Users (1)
Permissions
Last Accessed
Permissions policies (1) Info
You can attach up to 10 managed policies.
Simulate
Remove
Add permissions
Filter by Type
All types
Policy name
Type
Attached entities
AdministratorAccess
AWS managed - job function
1


us-east-1.console.aws.amazon.com/organizations/v2/home/accounts
Services
Search
[Alt+S]
Global
Shivshankar
AWS Organizations
AWS accounts
Invitations
Services
Policies
Settings
Get started
Organization ID
o-018ihc8cap
AWS accounts
Add an AWS account
The accounts listed below are members of your organization. The organization's management account is responsible for paying the bills for all accounts in the organization. You can use the tools provided by AWS Organizations to centrally manage these accounts. Learn more
1 request to create an AWS account has failed in the last 90 days.
Organization
Actions
Organizational units (OUs) enable you to group several accounts together and administer them as a single unit instead of one at a time.
Search by name, email, account ID or OU ID.
Hierarchy
List
Organizational structure
Account created/joined date
Root
r-ygf6
Manavi_Pawar
024848485582 | manavipawar9@gmail.com
Joined 2024/11/11
Shivshankar
management account
715841363442 | shivghyar538@gmail.com
Joined 2024/11/11
signlesignon-user
954976286917 | shivghyar11@gmail.com
Created 2024/11/12


Services
Search
[Alt+S]
N. Virginia
Shivshankar
IAM Identity Center
Permission sets
Create permission set
Step 1
Select permission set type
Step 2
Specify permission set details
Step 3
Review and create
Select permission set type
A permission set contains policies that determine a user's permissions to access an AWS account. When you assign a user or group to a permission set in an AWS account, IAM Identity Center creates an IAM role in the account and attaches the policies specified in the permission set to that role. Select an option to specify the permission set type. Learn more
Permission set type
Types
Predefined permission set
Create a predefined permission set by choosing an AWS-defined template. This template enables you to select a single AWS managed policy. For example, you can select a policy that grants permissions for a common job function, such as Billing, or a specific level of access to AWS services and resources, such as ViewOnlyAccess. You can update the permission set as your needs evolve.
Custom permission set
Create a custom permission set by selecting AWS managed policies and creating an inline policy (recommended). You can also attach customer managed policies and set a permissions boundary (advanced).
Policy for predefined permission set
Select an AWS managed policy
AdministratorAccess
CloudShell
Feedback
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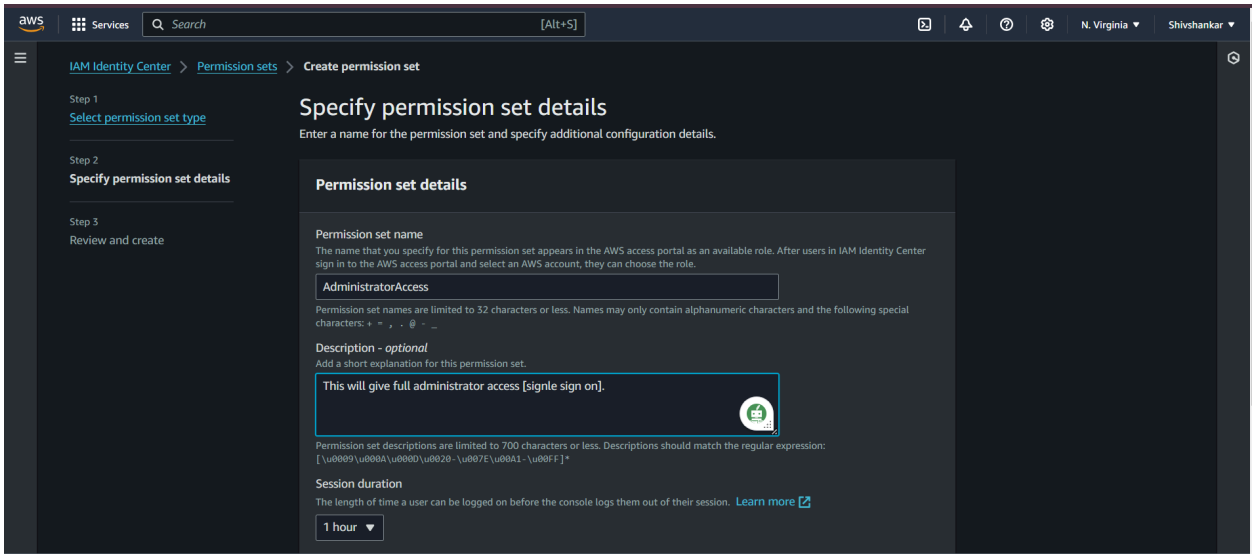
Terms
Cookie preferences


aws
Services
Search
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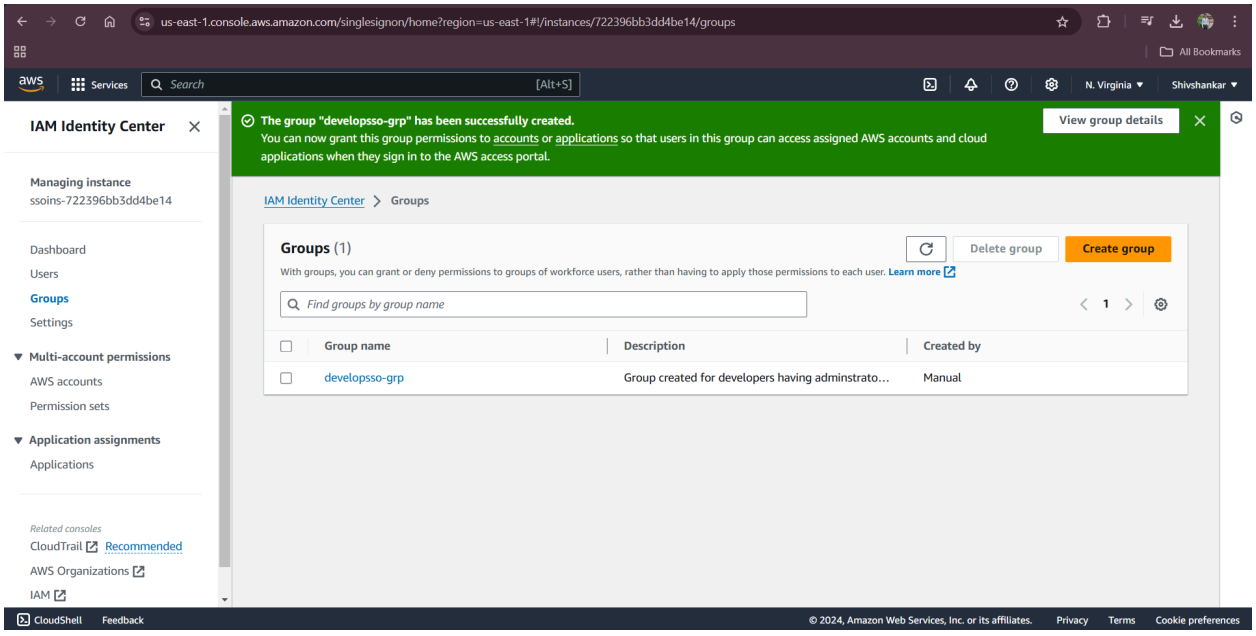
N. Virginia
Shivshankar
IAM Identity Center
Permission sets
Create permission set
Step 1
Select permission set type
Step 2
Specify permission set details
Step 3
Review and create
Specify permission set details
Enter a name for the permission set and specify additional configuration details.
Permission set details
Permission set name
The name that you specify for this permission set appears in the AWS access portal as an available role. After users in IAM Identity Center sign in to the AWS access portal and select an AWS account, they can choose the role.
AdministratorAccess
Permission set names are limited to 32 characters or less. Names may only contain alphanumeric characters and the following special characters: + = , . @ - _
Description - optional
Add a short explanation for this permission set.
This will give full administrator access [signle sign on].
Permission set descriptions are limited to 700 characters or less. Descriptions should match the regular expression:
[\u0009\u000A\u000D\u0020-\u007E\u00A1-\u00FF]*
Session duration
The length of time a user can be logged on before the console logs them out of their session. Learn more
1 hour


us-east-1.console.aws.amazon.com/singlesignon/home?region=us-east-1#!/instances/722396bb3dd4be14/groups
Services
Search
[Alt+S]
N. Virginia
Shivshankar
IAM Identity Center
Managing instance
ssoins-722396bb3dd4be14
Dashboard
Users
Groups
Settings
Multi-account permissions
AWS accounts
Permission sets
Application assignments
Applications
Related consoles
CloudTrail
Recommended
AWS Organizations
IAM
The group "developsso-grp" has been successfully created.
You can now grant this group permissions to accounts or applications so that users in this group can access assigned AWS accounts and cloud applications when they sign in to the AWS access portal.
View group details
IAM Identity Center > Groups
Groups (1)
Delete group
Create group
With groups, you can grant or deny permissions to groups of workforce users, rather than having to apply those permissions to each user. Learn more
Find groups by group name
Group name
Description
Created by
developsso-grp
Group created for developers having adminstrato…
Manual
CloudShell
Feedback
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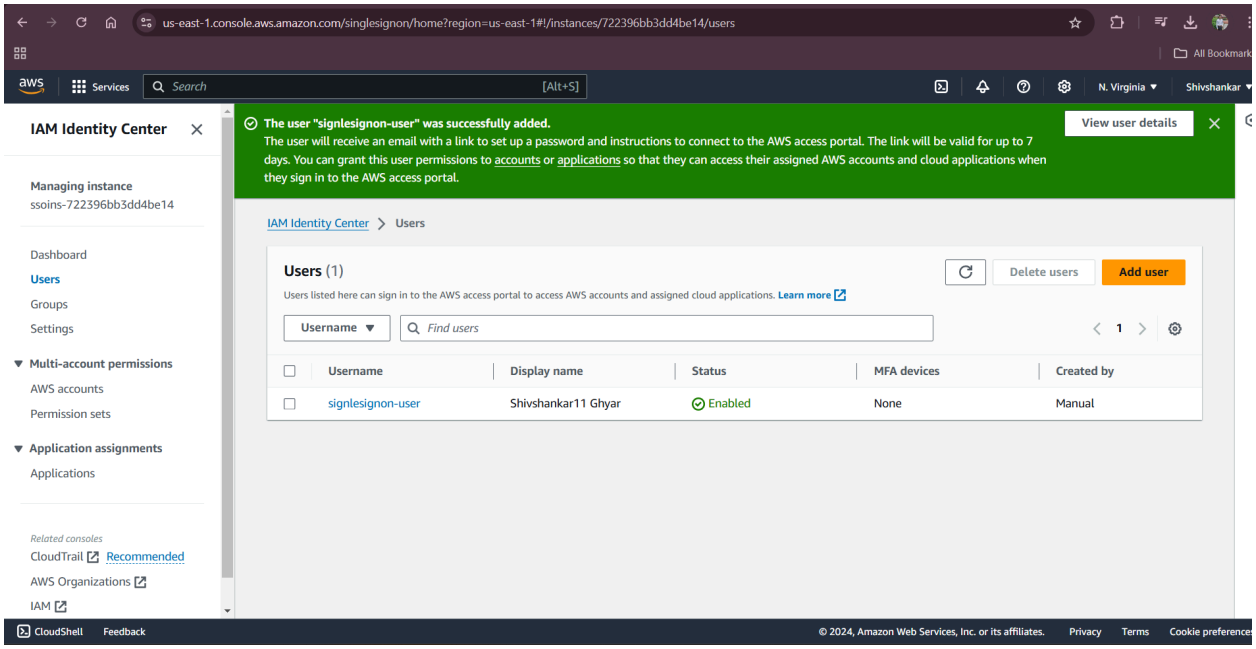
us-east-1.console.aws.amazon.com/singlesignon/home?region=us-east-1#!/instances/722396bb3dd4be14/users
Services
Search
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N. Virginia
Shivshankar
IAM Identity Center
Managing instance
ssoins-722396bb3dd4be14
Dashboard
Users
Groups
Settings
Multi-account permissions
AWS accounts
Permission sets
Application assignments
Applications
Related consoles
CloudTrail
Recommended
AWS Organizations
IAM
The user "signlesignon-user" was successfully added.
The user will receive an email with a link to set up a password and instructions to connect to the AWS access portal. The link will be valid for up to 7 days. You can grant this user permissions to accounts or applications so that they can access their assigned AWS accounts and cloud applications when they sign in to the AWS access portal.
View user details
IAM Identity Center > Users
Users (1)
Delete users
Add user
Users listed here can sign in to the AWS access portal to access AWS accounts and assigned cloud applications. Learn more
Username
Find users
Username
Display name
Status
MFA devices
Created by
signlesignon-user
Shivshankar11 Ghyar
Enabled
None
Manual
CloudShell
Feedback
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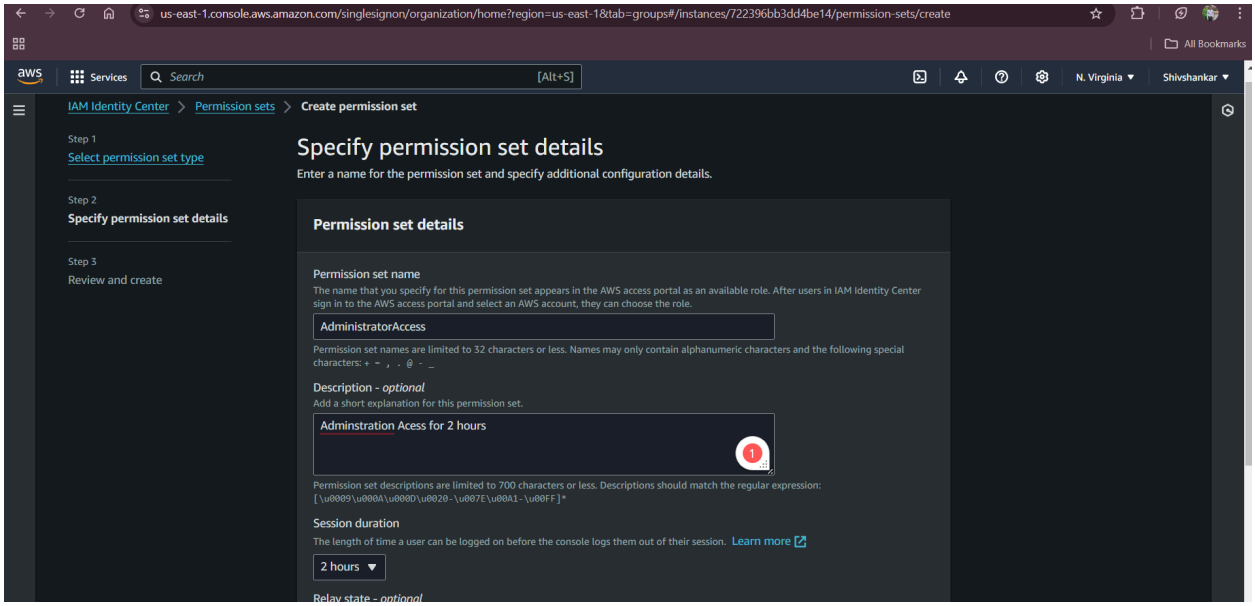
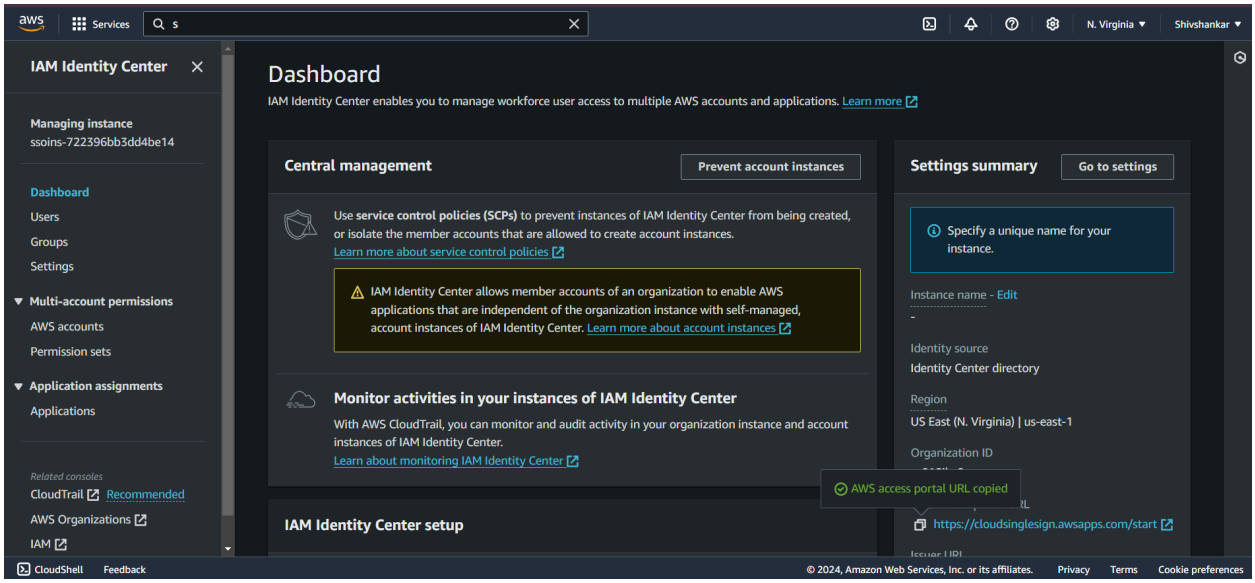
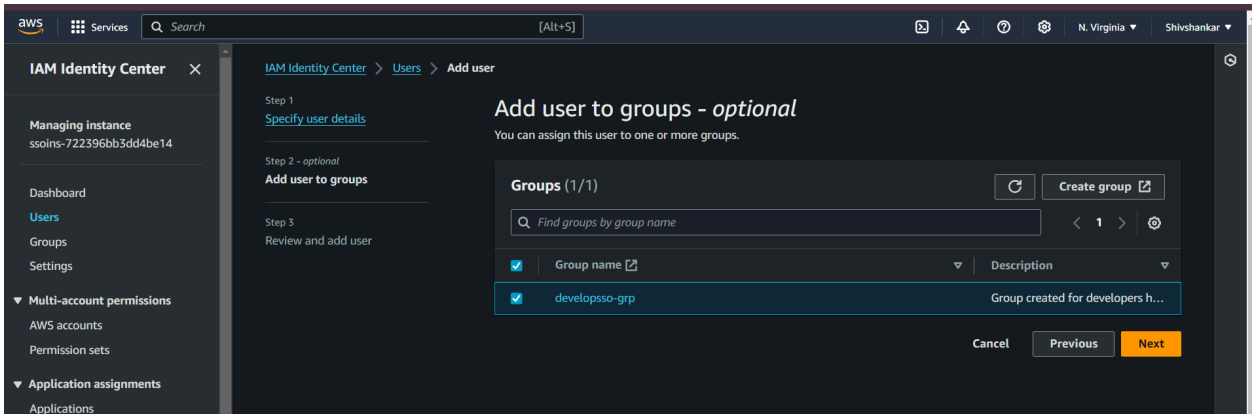
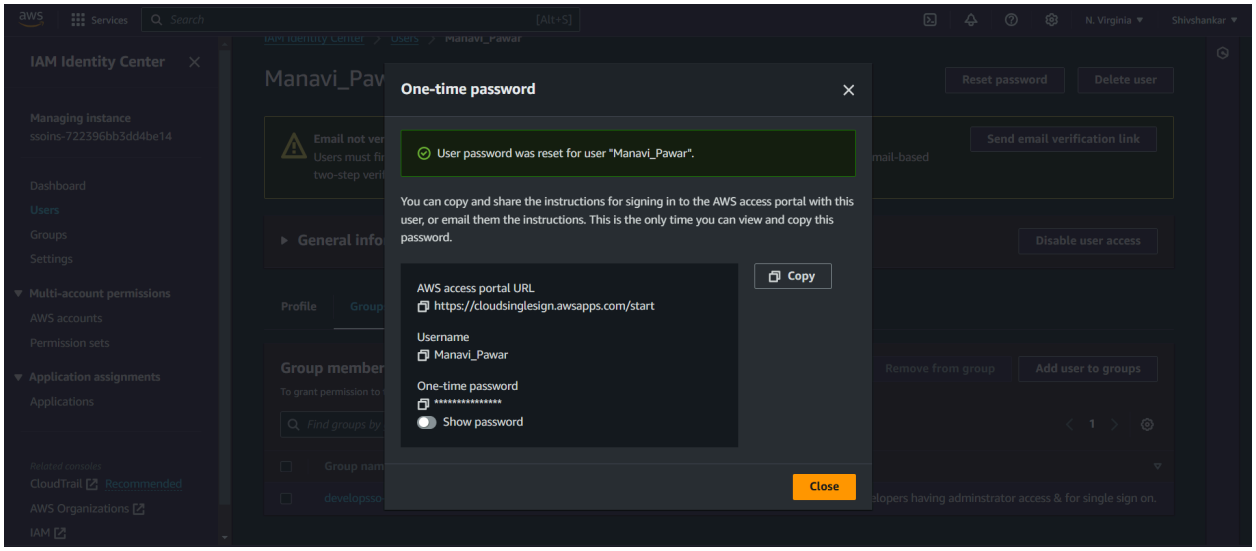
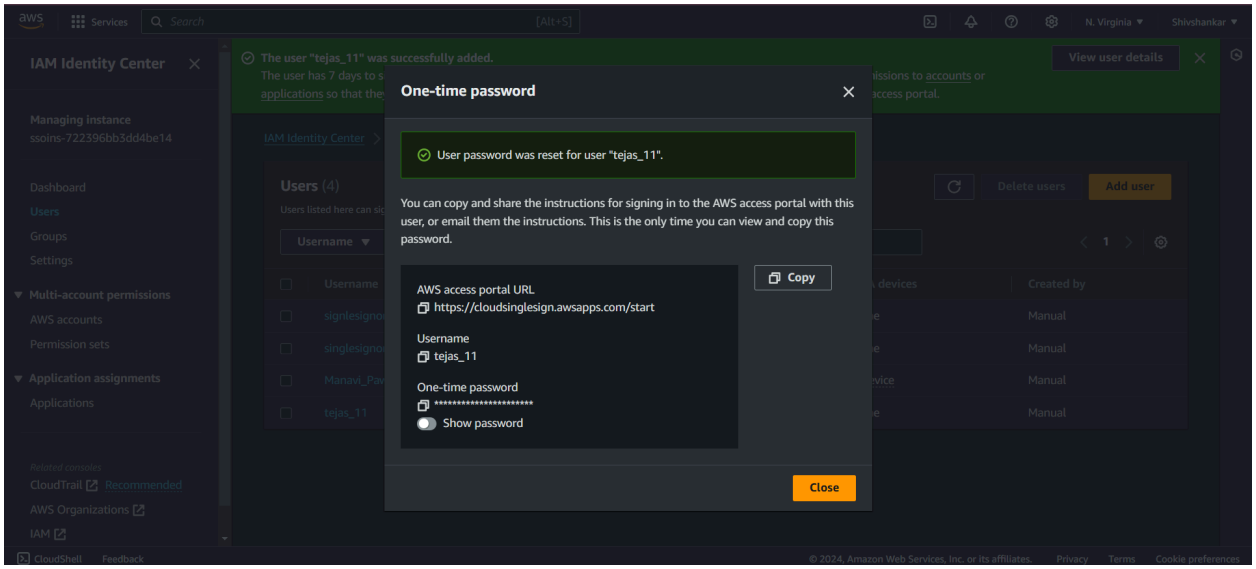


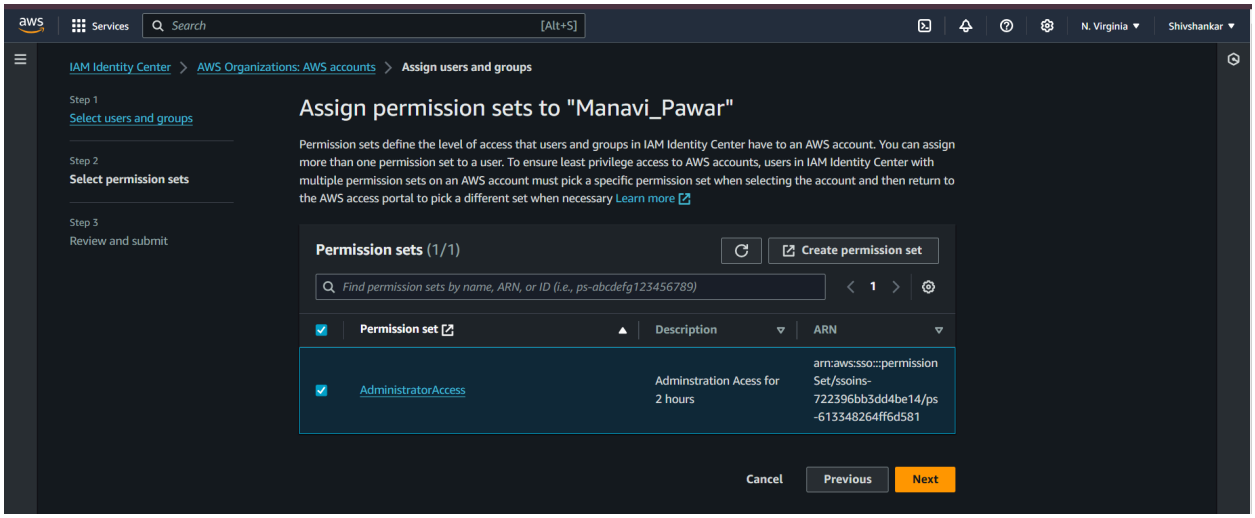


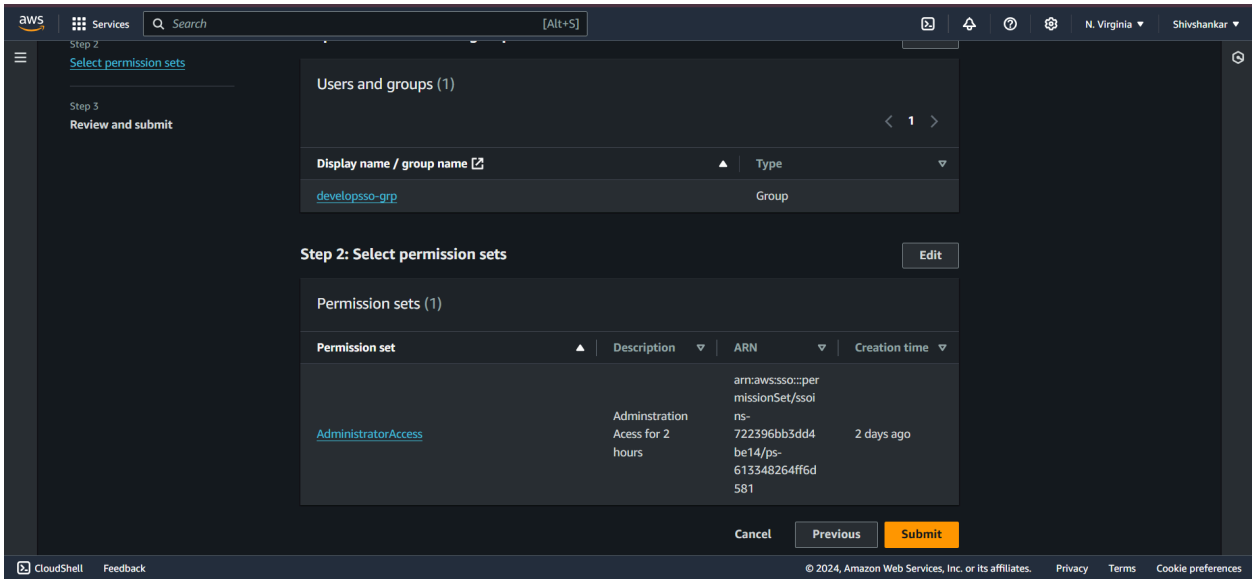
Sign-in to the AWS console through new AWS account via user_SingleSignOn


IAM Identity Center
Managing instance
ssoins-722396bb3dd4be14
Dashboard
Users
Groups
Settings
Multi-account permissions
AWS accounts
Permission sets
Application assignments
Applications
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 (1/1)
Create group
Find groups by group name
Group name
Description
developsso-grp
Group created for developers h...
Cancel
Previous
Next


One-time password
User password was reset for user "Manavi_Pawar".
You can copy and share the instructions for signing in to the AWS access portal with this user, or email them the instructions. This is the only time you can view and copy this password.
AWS access portal URL
https://cloudsinglesign.awsapps.com/start
Username
Manavi_Pawar
One-time password
Show password
Copy
Close


One-time password
User password was reset for user "tejas_11".
You can copy and share the instructions for signing in to the AWS access portal with this user, or email them the instructions. This is the only time you can view and copy this password.
AWS access portal URL
https://cloudsinglesign.awsapps.com/start
Username
tejas_11
One-time password
Show password
Copy
Close


aws
Services
Search
[Alt+S]
N. Virginia
Shivshankar
IAM Identity Center
AWS Organizations: AWS accounts
Assign users and groups
Step 1
Select users and groups
Step 2
Select permission sets
Step 3
Review and submit
Assign permission sets to "Manavi_Pawar"
Permission sets define the level of access that users and groups in IAM Identity Center have to an AWS account. You can assign more than one permission set to a user. To ensure least privilege access to AWS accounts, users in IAM Identity Center with multiple permission sets on an AWS account must pick a specific permission set when selecting the account and then return to the AWS access portal to pick a different set when necessary Learn more
Permission sets (1/1)
Create permission set
Find permission sets by name, ARN, or ID (i.e., ps-abcdefg123456789)
1
Permission set
Description
ARN
AdministratorAccess
Adminstration Acess for 2 hours
arn:aws:sso:::permissionSet/ssoins-722396bb3dd4be14/ps-613348264ff6d581
Cancel
Previous
Next


aws
Services
Search
[Alt+S]
N. Virginia
Shivshankar
Step 2
Select permission sets
Step 3
Review and submit
Users and groups (1)
1
Display name / group name
Type
developsso-grp
Group
Step 2: Select permission sets
Edit
Permission sets (1)
Permission set
Description
ARN
Creation time
AdministratorAccess
Adminstration Acess for 2 hours
arn:aws:sso:::permissionSet/ssoins-722396bb3dd4be14/ps-613348264ff6d581
2 days ago
Cancel
Previous
Submit
CloudShell
Feedback
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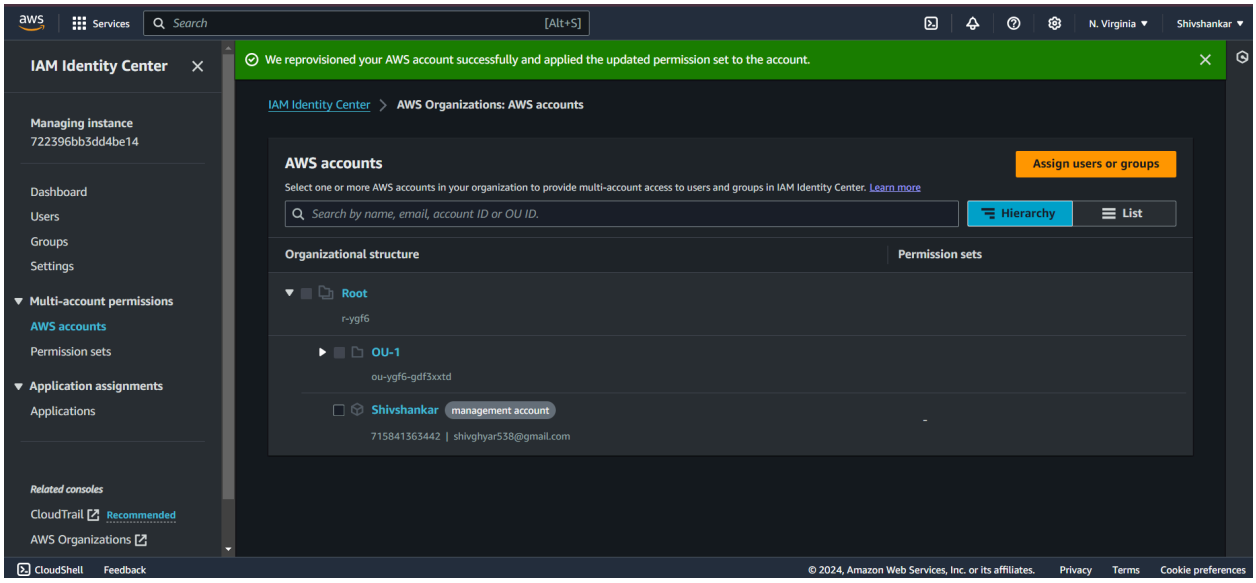
aws
Services
Search
[Alt+S]
N. Virginia
Shivshankar
IAM Identity Center
We reprovisioned your AWS account successfully and applied the updated permission set to the account.
Managing instance
722396bb3dd4be14
Dashboard
Users
Groups
Settings
Multi-account permissions
AWS accounts
Permission sets
Application assignments
Applications
Related consoles
CloudTrail Recommended
AWS Organizations
IAM Identity Center > AWS Organizations: AWS accounts
AWS accounts
Assign users or groups
Select one or more AWS accounts in your organization to provide multi-account access to users and groups in IAM Identity Center. Learn more
Search by name, email, account ID or OU ID.
Hierarchy
List
Organizational structure
Permission sets
Root
r-ygf6
OU-1
ou-ygf6-gdf3xxtd
Shivshankar management account
715841363442 | shivghyar538@gmail.com
CloudShell
Feedback
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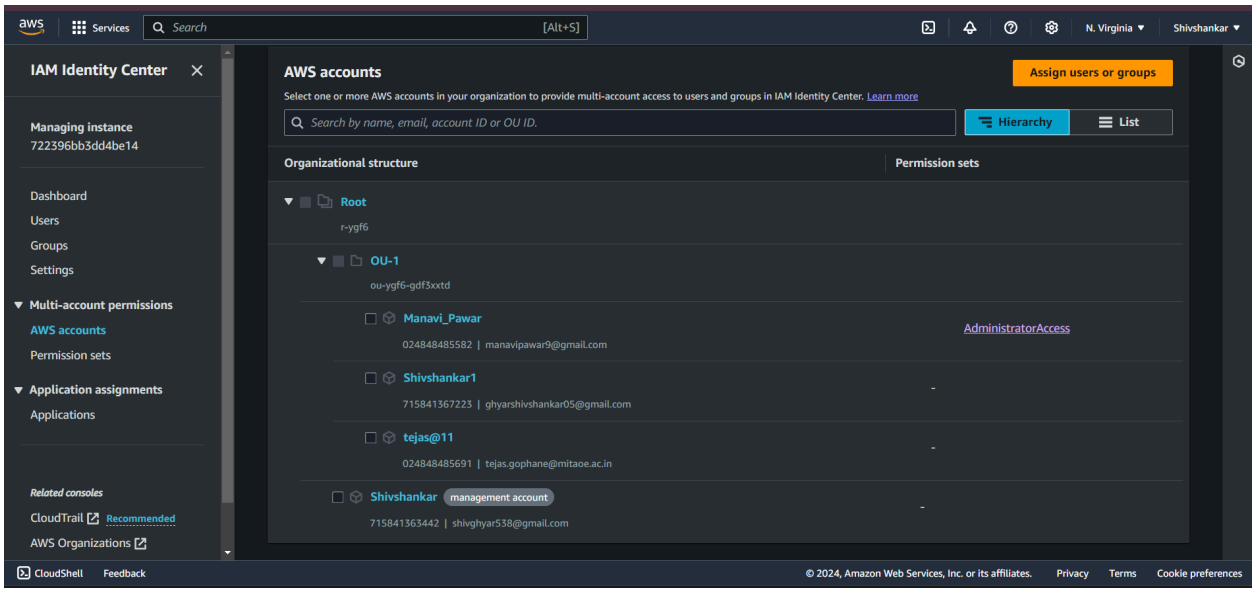
aws
Services
Search
[Alt+S]
N. Virginia
Shivshankar
IAM Identity Center
AWS accounts
Assign users or groups
Select one or more AWS accounts in your organization to provide multi-account access to users and groups in IAM Identity Center. Learn more
Search by name, email, account ID or OU ID.
Hierarchy
List
Organizational structure
Permission sets
Root
r-ygf6
OU-1
ou-ygf6-gdf3xxtd
Manavi_Pawar
024848485582 | manavipawar9@gmail.com
AdministratorAccess
Shivshankar1
715841367223 | ghyarshivshankar05@gmail.com
tejas@11
024848485691 | tejas.gophane@mitaoe.ac.in
Shivshankar management account
715841363442 | shivghyar538@gmail.com
Managing instance
722396bb3dd4be14
Dashboard
Users
Groups
Settings
Multi-account permissions
AWS accounts
Permission sets
Application assignments
Applications
Related consoles
CloudTrail Recommended
AWS Organizations
CloudShell
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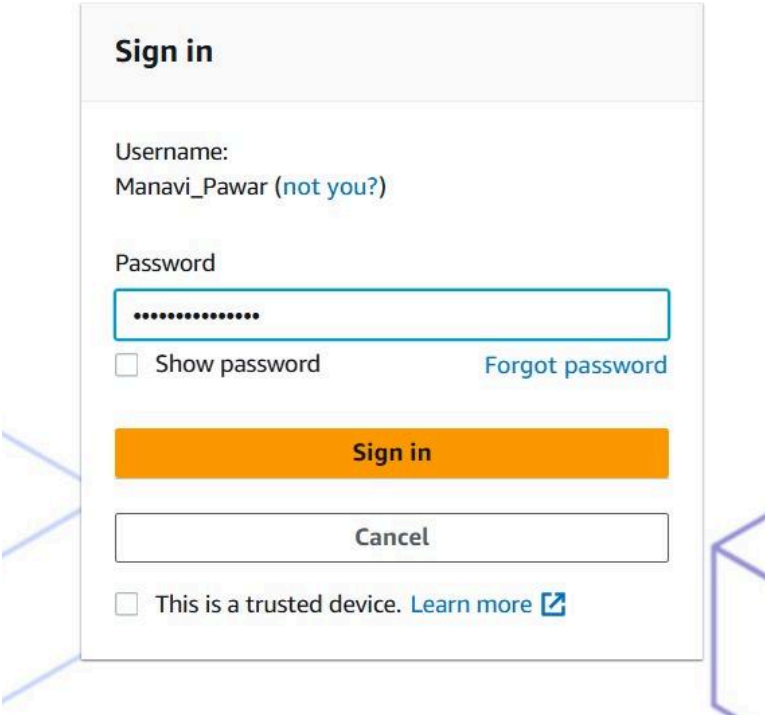
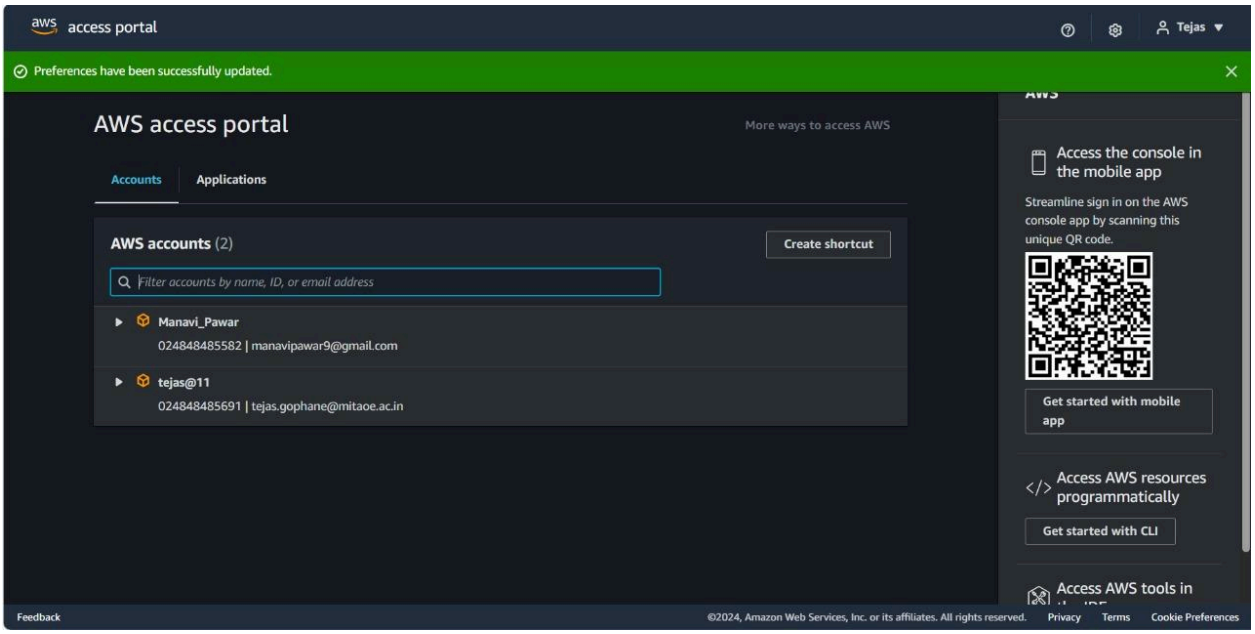

Sign in
Username:
Manavi_Pawar (not you?)
Password
Show password
Forgot password
Sign in
Cancel
This is a trusted device. Learn more


access portal
Tejas
Preferences have been successfully updated.
AWS access portal
More ways to access AWS
Accounts
Applications
AWS accounts (2)
Create shortcut
Filter accounts by name, ID, or email address
Manavi_Pawar
024848485582 | manavipawar9@gmail.com
tejas@11
024848485691 | tejas.gophane@mitaoe.ac.in
Access the console in the mobile app
Streamline sign in on the AWS console app by scanning this unique QR code.
Get started with mobile app
Access AWS resources programmatically
Get started with CLI
Access AWS tools in
Feedback
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