Lab Steps

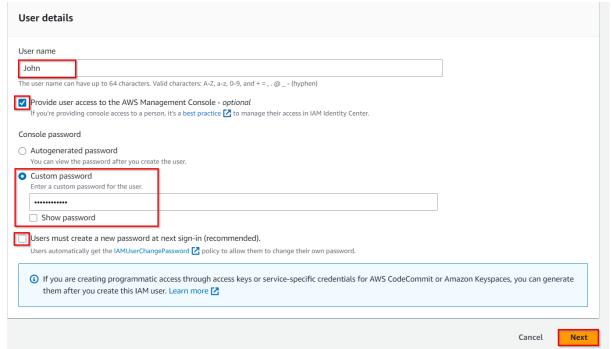
Task 1: Sign in to AWS Management Console

- l. Click on the Open Console button, and you will get redirected to AWS Console in a new browser tab.
- 2. On the AWS sign-in page,
 - Leave the Account ID as default. Never edit/remove the 12-digit Account ID present in the AWS Console. Otherwise, you cannot proceed with the lab.
 - Now copy your Username and Password in the Lab Console to the IAM Username and Password in AWS Console and click on the Sign-in button.
- 3. Once Signed In to the AWS Management Console, make the default AWS Region as US East (N. Virginia) us-east-1.

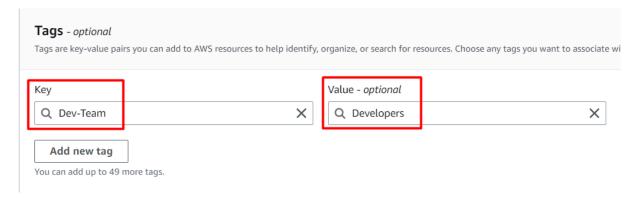
Task 2: Create IAM Users

In this task, we are going to create new IAM users by providing the name, password access, permissions, and tags. These users will be added to their respective groups in the next task.

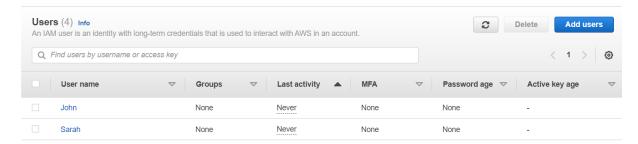
- 1. Click on Services and select IAM under the Security, Identity, & Compliance section.
- 2. In the IAM dashboard, select the Users option in the left panel and click on the Add Users button to create a new IAM user.
- 3. In the **Add User** page, fill in the User Details section as follows:
 - User name: Enter **John** (or the desired name for the user)
 - Check the Provide user access to the AWS Management Console optional checkbox
 - Select Custom password under Console Password and Enter the desired password for the user
 - Uncheck the Users must create a new password at next sign-in (recommended) checkbox.
 - Click on **Next** button.



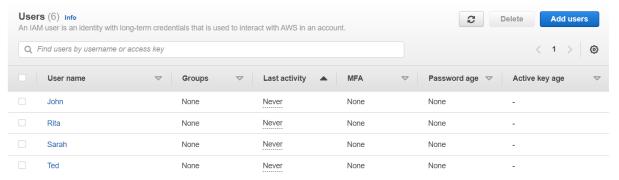
- In **Set permissions** section, keep things as default. Click on **Next** button.
- Scroll down and Under Tags, Click on Add new tag button:
 - Key: Enter Dev-Team
 - Value: Enter Developers



- Click on **Create User** button.
- Click on **Return to users list** button and then on **Continue** button.
- Repeat the same steps and tags for IAM user by name Sarah.



- Repeat the steps to create IAM users by name Ted, Rita with following details,
 - Custom password : (any desired pwd)
 - Key: HR-Team
 - Value : **HR**
- We have created 4 IAM users.



Task 3: Create IAM Groups and add IAM Users

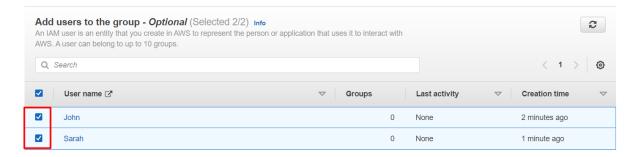
In this task, we are going to create new IAM groups and will add the users to their respective groups. Moreover, we will be adding permissions to the group so that users within the group have the access to the services allocated to them using the permission policies.

- 1. Select the **User groups** in the left panel and click on the **Create group**
- 2. Set Group Name:
 - User group name: Enter **Dev-Team**
 - Scroll down and select *John* and *Sarah* under *Add Users to the group*

Create user group

Name the group





- Scroll down to the Attach permissions Policies section and search for AmazonEC2ReadOnlyAccess and
 AmazonS3ReadOnlyAccess policies. These policies provide read access for EC2 and S3 to the added users in the group.
- Note: Do not add other policies than the ones mentioned above. You will get an error while creating a group
- Review all details and click on Create group button.
- Repeat the same steps to create an **HR-Team** group.
 - Click on the Create group
 - User group name: HR-Team
 - Scroll down and select *Ted* and *Rita* under Add Users to the group.
 - Under Attach permissions Policies, select the Billing policy.
 - Note: Do not add other policies than the ones mentioned above. You will get an error while creating a group
 - Review all details and click on **Create group** button.



Completion and Conclusion

- 1. In this lab, you created 4 IAM users & 2 IAM groups. At the time of IAM groups creation, you attached the required IAM policies, added John and Sarah to the Dev Team group, and added Ted and Rita to the HR Team group.
- 2. You have learned how to create IAM users and groups.
- 3. You have learned how to add users to the respected IAM groups.
- You have learned how to attach a policy while creating the IAM groups.
- 5. You have learned how to allow a specific user/group to access services and resources in your AWS account.
- 6. You have successfully validated the lab.