Assignment 2 - Setup your person AWS account

Task 1 – Enable MFA

Enable MFA for the root user. Install and use Authy or similar MFA app on your phone. Refer: <u>Enabling a virtual multi-factor authentication (MFA) device (console)</u>

Task 2 – Create an IAM user

Create an admin group with an administrator policy. Create a user for yourself in that group. Always use that IAM user to login to AWS. Refer: <u>Set Up an AWS Account and Create an Administrator User</u>

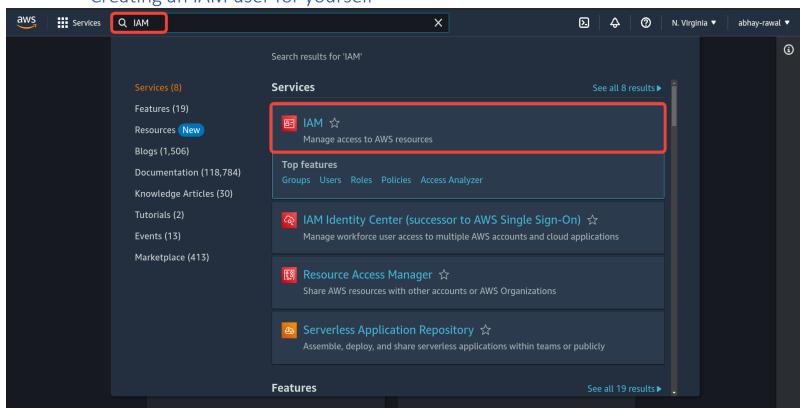
The best practice is always to use an IAM user. Never use your root user. If the IAM user credentials are compromised, you can login as a root and disable the IAM user.

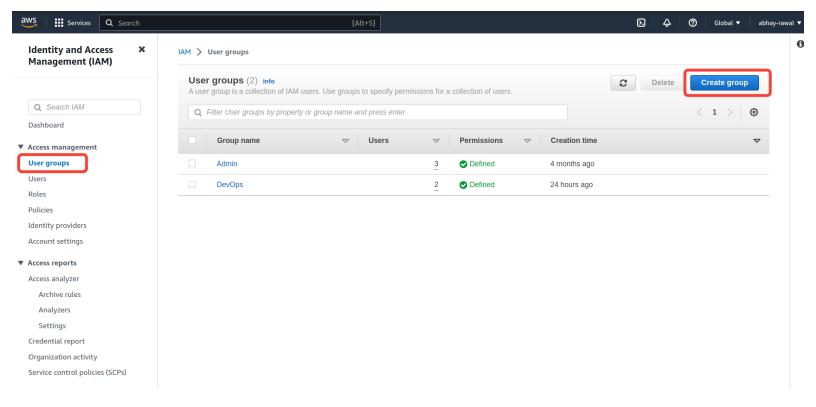
Task 3 – Set up a billing alarm

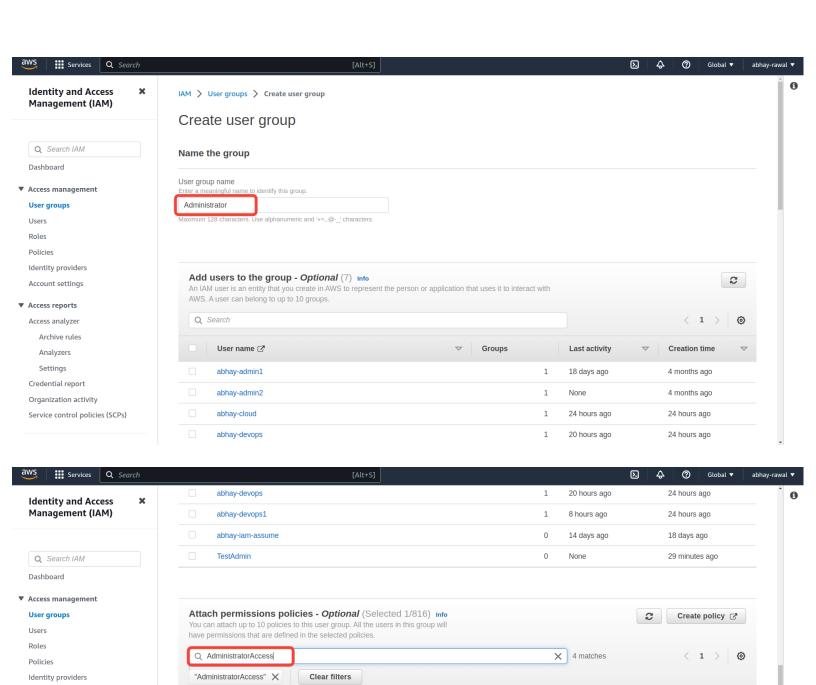
Refer: Create a billing alarm to monitor your estimated AWS charges

- a. Make sure the region is North Virginia
- b. Go to CloudWatch
- c. In Alarms, you will see "Billing" which selects the billing metric automatically.

Creating an IAM user for yourself







Type

AWS managed

AWS managed

AWS managed

AWS managed - job function

Description

Cancel

Provides full access to AV

Grants account administr

Grants account administra

Provides administrative a

Create group

Account settings

▼ Access reports

Access analyzer

Archive rules

Analyzers

Settings

Credential report
Organization activity
Service control policies (SCPs)

Policy name ☑

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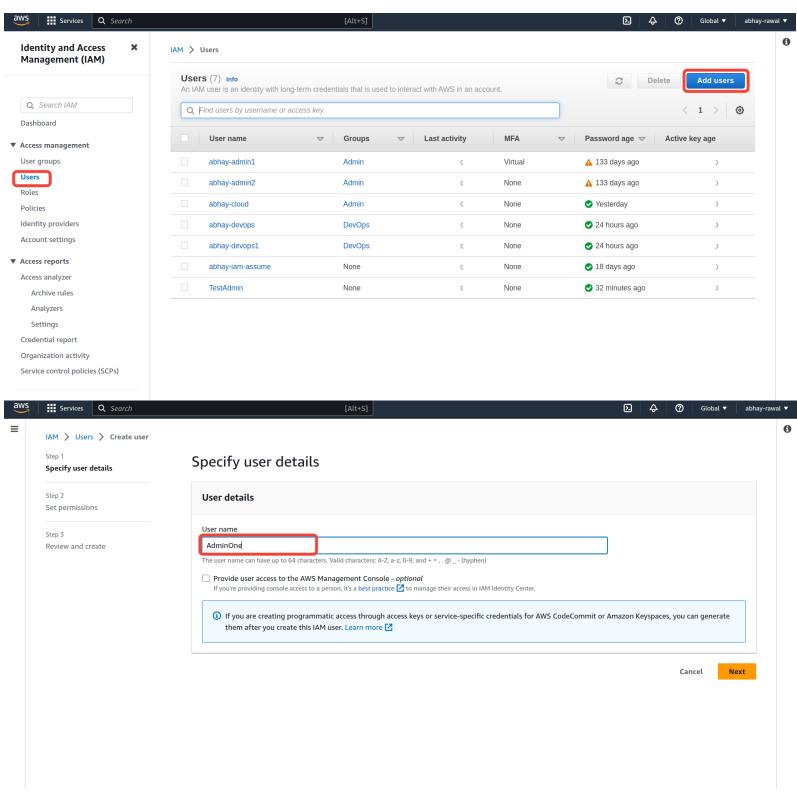
AdministratorAccess-Amplify

⊕ AWSAuditManagerAdministratorAccess

✓

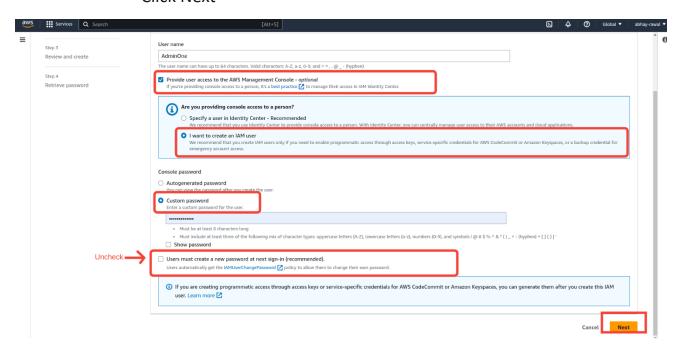
Creating IAM users and adding to a group

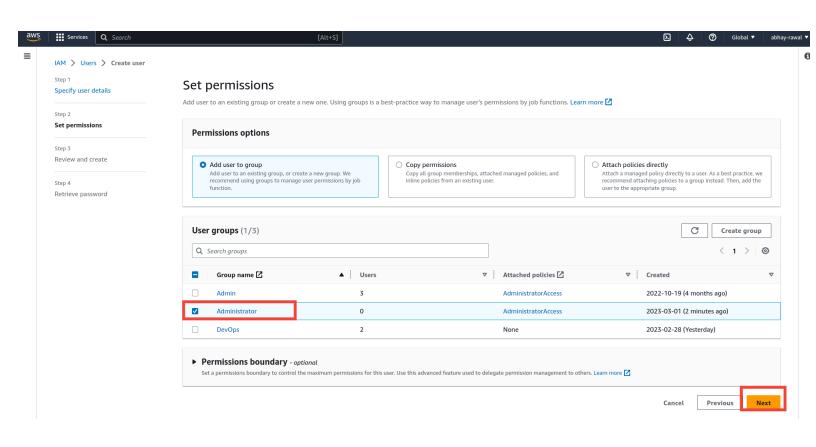
- 1. Sign into the AWS Management Console and open the IAM console
- 2. In the navigation pane, choose Users and then select Add users.

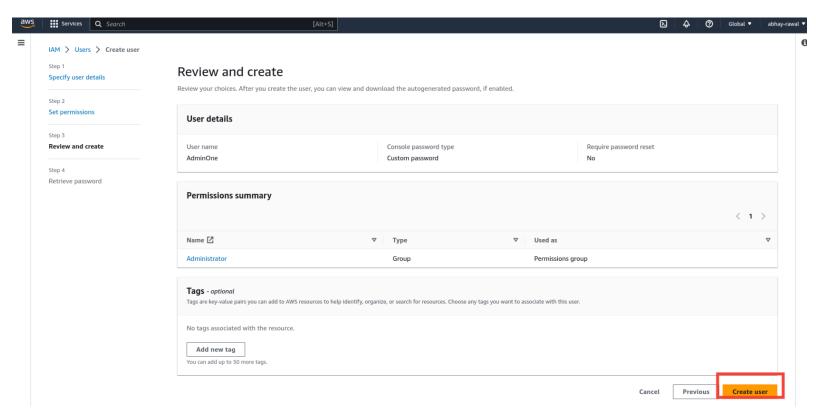


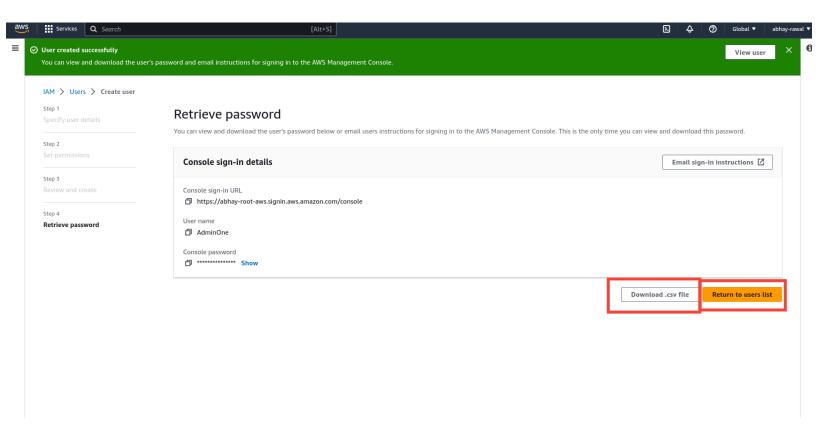
Note: If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user.

- a. Now we need to select if we want to Specify a user in Identity Center or Create an IAM user. Choose "I want to create an IAM user".
 - After selecting I want to create an IAM user, you can choose one
 of the Password:
 - a. **Autogenerated password.** Each user gets a randomly generated password that meets the account password policy. You can view or download the passwords when you get to the **Final** page.
 - b. **Custom password.** Each user is assigned the password that you type in the box.
 - For this demo uncheck Users must create a new password at next sign-in.
 - Click Next



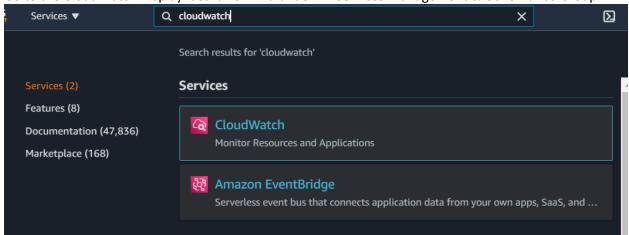




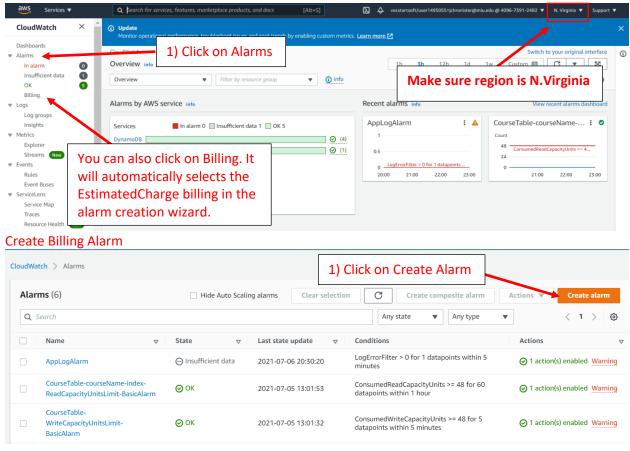


Setting up a billing alarm on CloudWatch

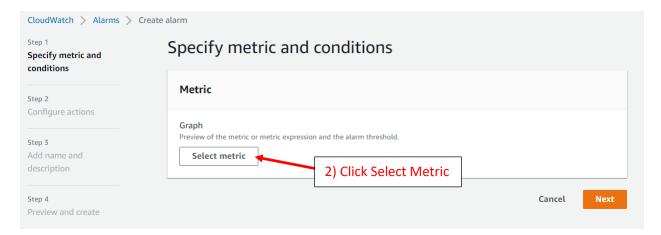
Go to the CloudWatch Display. Search or Find under All Services Management & Governance Group



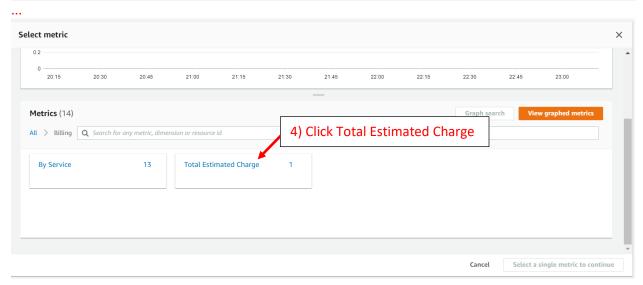
Go to the Alarms Display. You must select us-east-1 **N.Virginia** region. Otherwise, billing metric is not there.



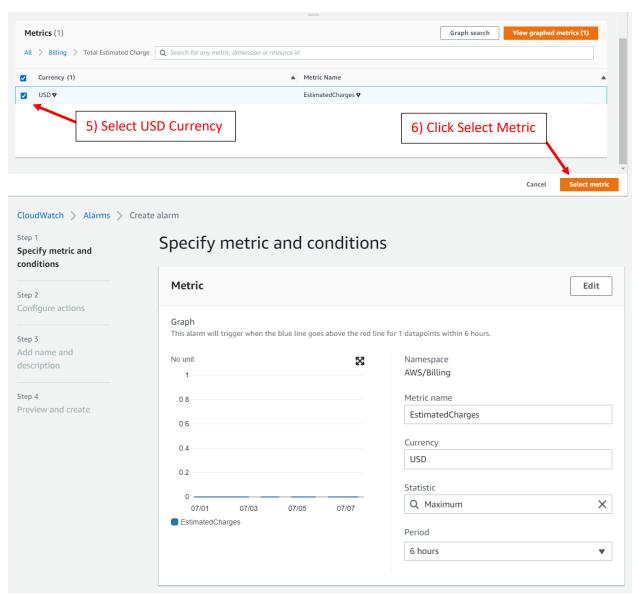
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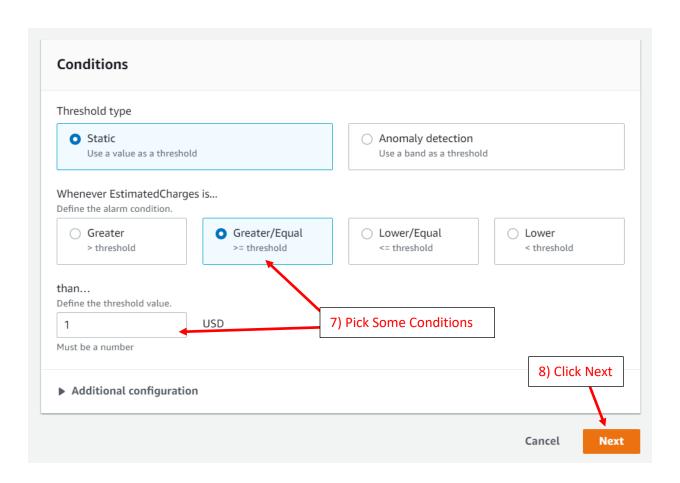
Select metric × 0.2 20:15 20:30 20:45 21:00 21:15 21:30 21:45 22:00 22:15 22:30 22:45 23:00 3) Click Billing **▼** AWS Namespaces ApiGateway ApplicationELB EBS 189 EC2 392 Events Lambda 26 Cancel Select a single metric to continue

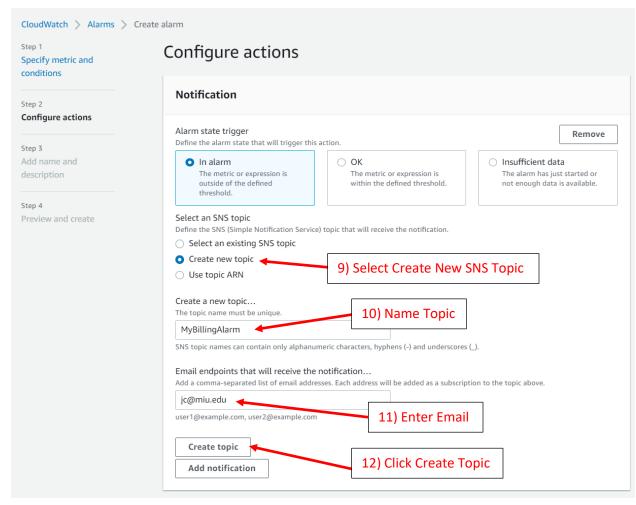


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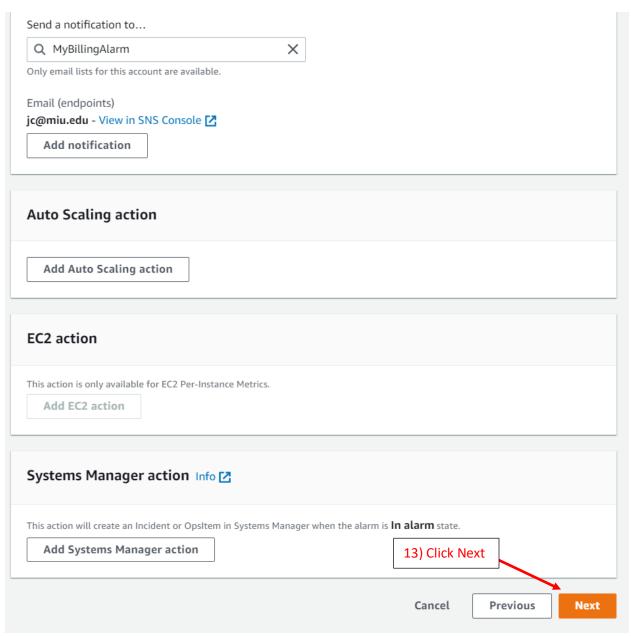


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