Assignment 2 - Setup your person AWS account

ACCEPTANCE CRITERIA – Include the followings in the PDF:

- The IAM user after creation.
- CloudWatch billing alarm.
- SNS topic for the billing alarm.

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>. Setting an alias for the account makes it easier to login. So you don't have to enter the account id.

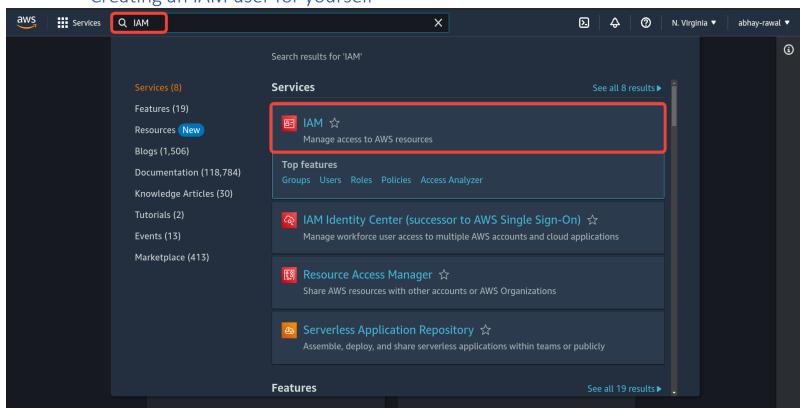
The best practice is always to use an IAM user. Never use your root user. If the IAM user credentials are compromised, you can login as a root and disable the IAM user.

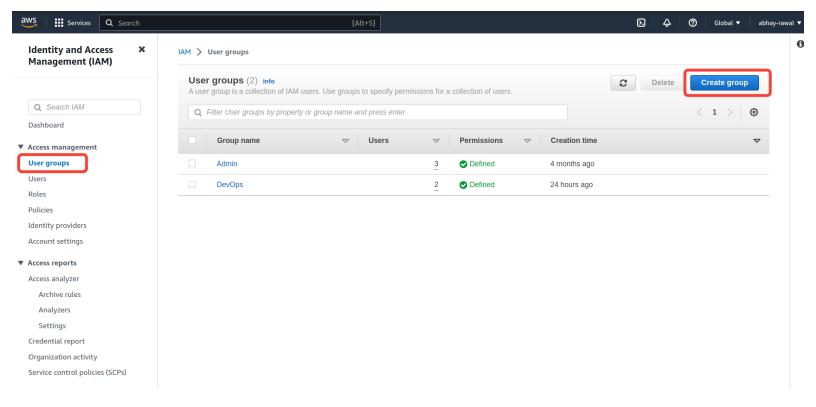
Task 3 – Set up a billing alarm

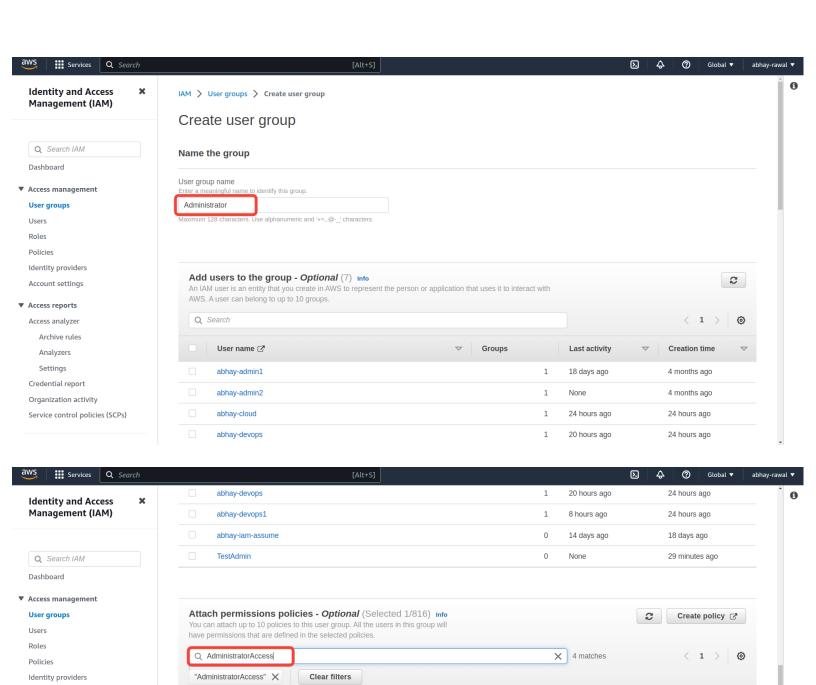
Refer: Create a billing alarm to monitor your estimated AWS charges

- 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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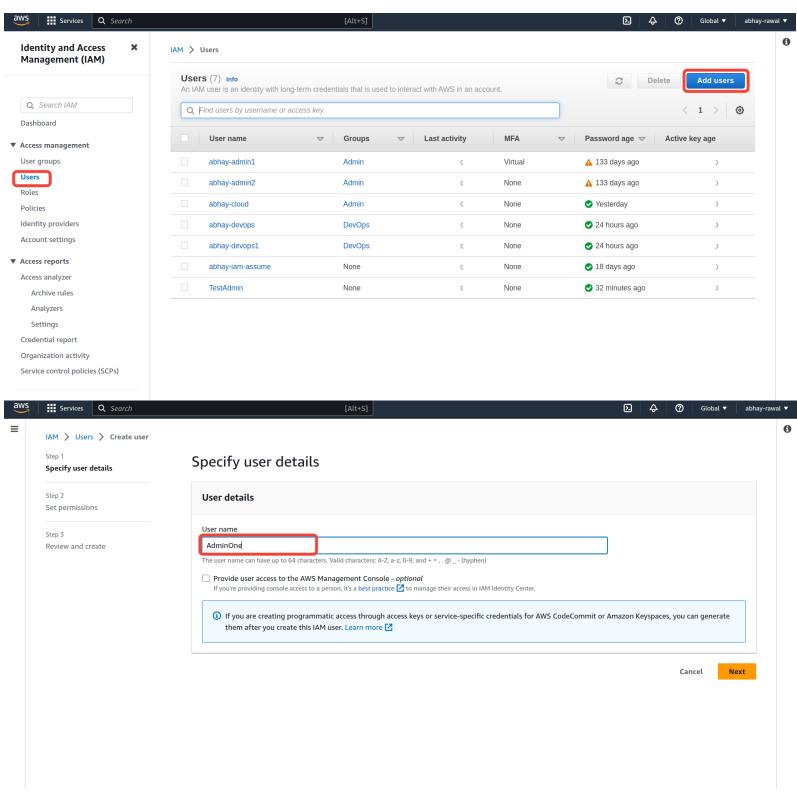
AdministratorAccess-Amplify

⊕ AWSAuditManagerAdministratorAccess

✓

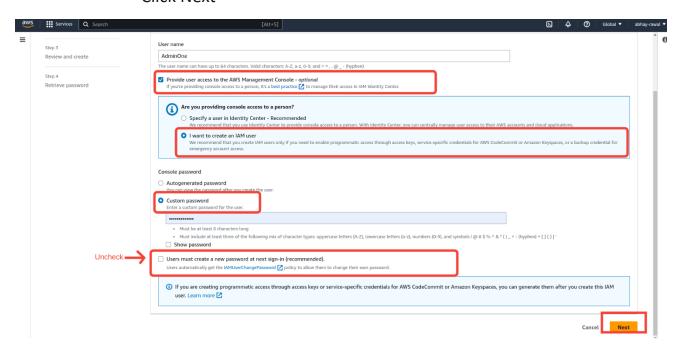
Creating IAM users and adding to a group

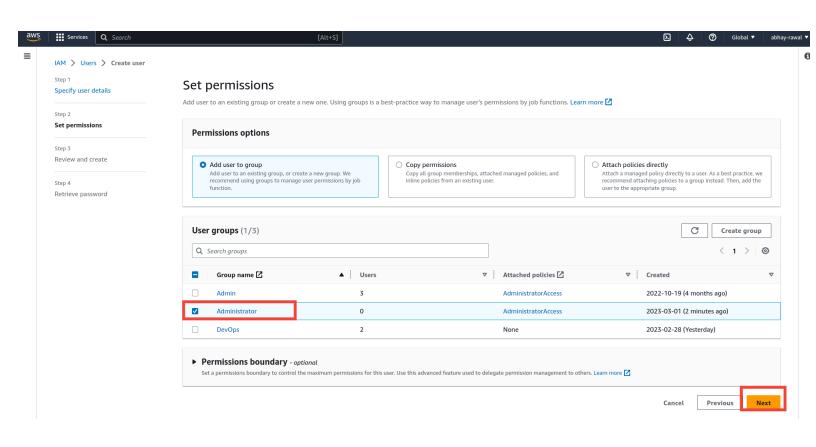
- 1. Sign into the AWS Management Console and open the IAM console
- 2. In the navigation pane, choose Users and then select Add users.

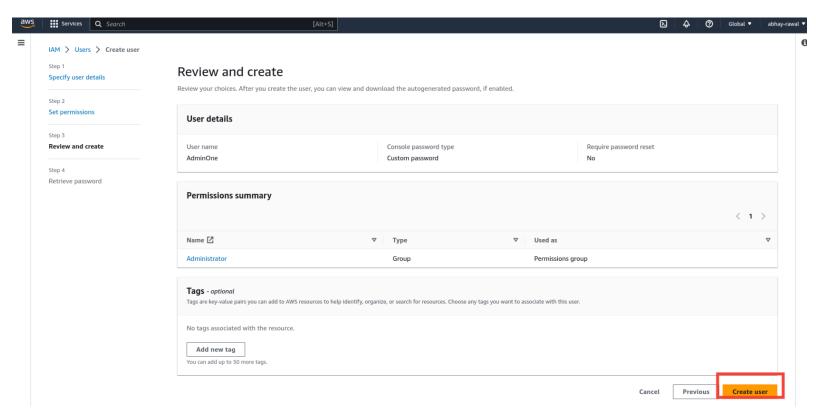


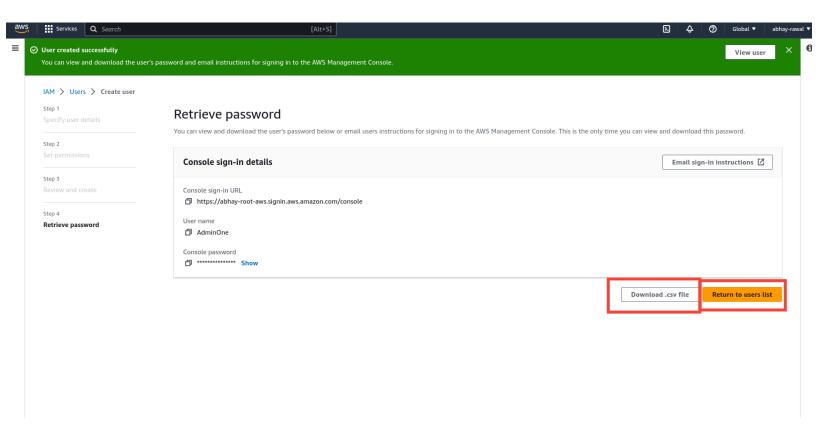
Note: If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user.

- 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



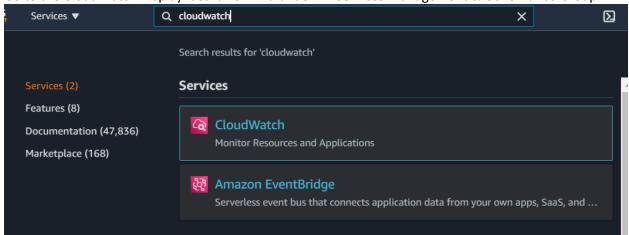




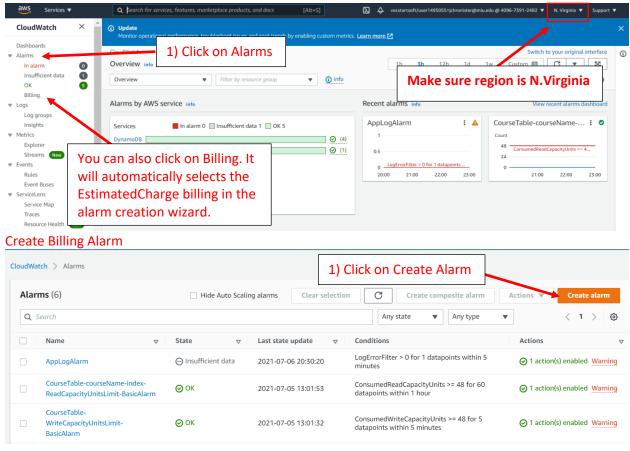


Setting up a billing alarm on CloudWatch

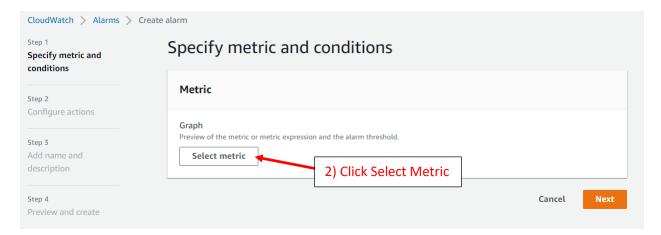
Go to the CloudWatch Display. Search or Find under All Services Management & Governance Group



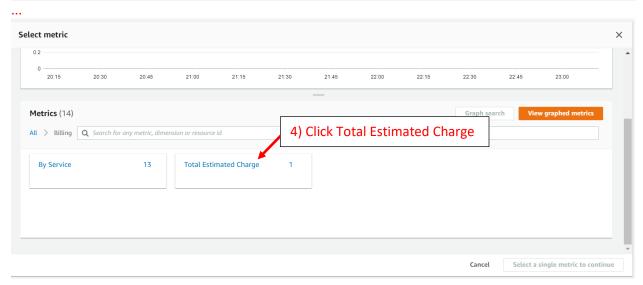
Go to the Alarms Display. You must select us-east-1 **N.Virginia** region. Otherwise, billing metric is not there.



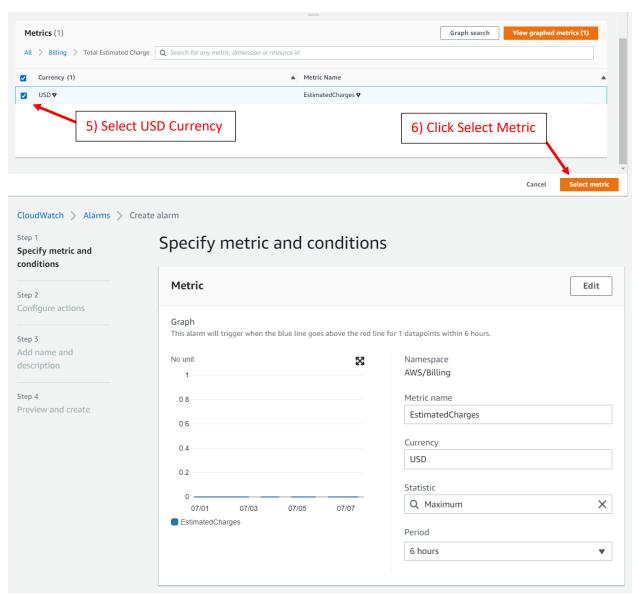
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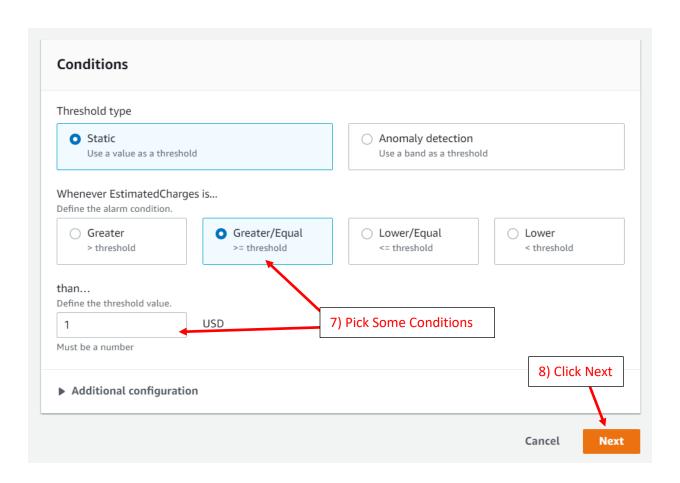
Select metric × 0.2 20:15 20:30 20:45 21:00 21:15 21:30 21:45 22:00 22:15 22:30 22:45 23:00 3) Click Billing **▼** AWS Namespaces ApiGateway ApplicationELB EBS 189 EC2 392 Events Lambda 26 Cancel Select a single metric to continue

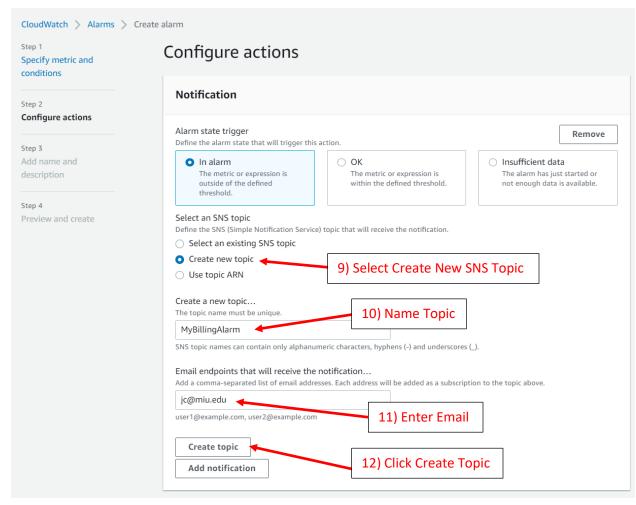


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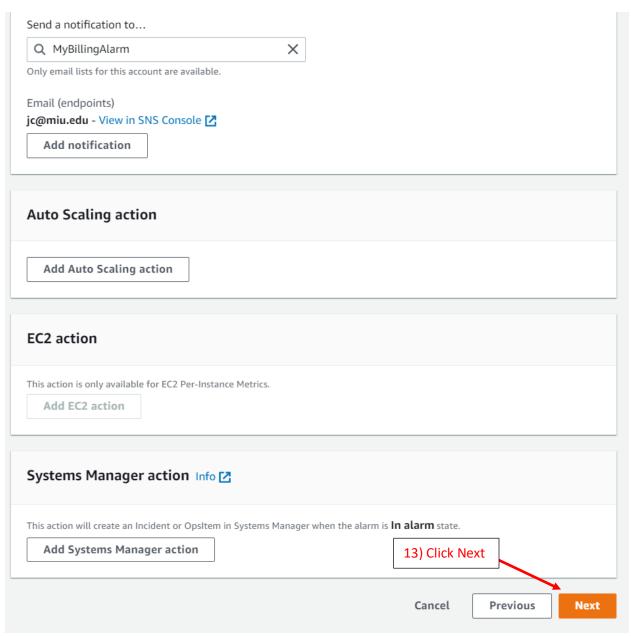


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