

## Assignment 2 - Set up your personal AWS account

ACCEPTANCE CRITERIA – Include the followings in the PDF:

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

The goal of assignment 2: Set up your AWS account. Tasks are nothing but the checklist after creating an AWS account. Please do the following tasks in your **personal AWS account**, **not AWS Academy**! There are odds in an AWS Academy account. In case there are issues like permission denied in the AWS Academy account, you can always use your own AWS account.

- There is something called IAM in AWS. It is where you define what/who can do which actions on which resources. It is an Identity Access Management service. The best practice is, to always use an IAM user. Never use your root user. If the IAM user credentials are compromised, you can log in as a root and disable the IAM user.
- You probably don't want to have a surprising bill, do you? To address that, you can setup a billing alarm.

### Task 0 – Create an AWS account if you don't have one

#### Task 1 – Enable MFA

Enable MFA for the root user. Install and use Authy or a similar MFA app on your phone. Refer: [Enabling a virtual multi-factor authentication \(MFA\) device \(console\)](#)

#### 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 log in to AWS. Refer: [Set Up an AWS Account and Create an Administrator User](#). Setting an alias for the account makes it easier to log in. So you don't have to enter the account ID.

#### 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.