

# Assignment 1

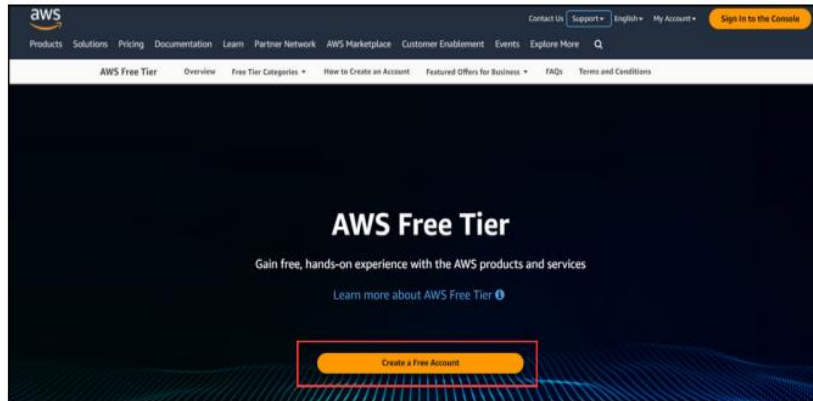
Problem Statement:- Create an AWS account and configure a budget

Solution:-

## 1. Create AWS account

**Step 1.1:** Go to your preferred web browser and search <https://aws.amazon.com/> to create an account.

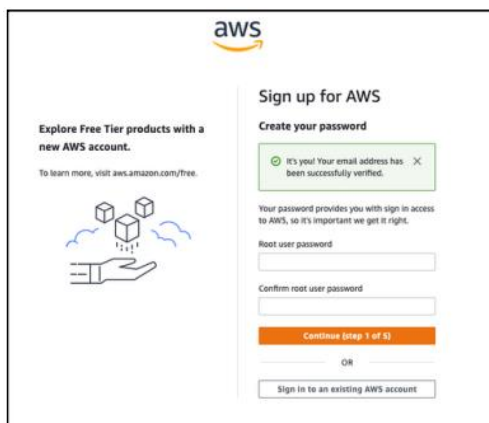
**Step 1.2:** Choose **Create an AWS Account**.



**Step 1.3:** Enter an email address and an account name, then verify your email address by the verification code you received through your email.



**Step 1.4:** Create your **root user password**.



**Step 1.5:** Choose between a business or personal account and your billing details.

**Sign up for AWS**

**Free Tier offers**

All AWS accounts can explore 3 different types of free offers, depending on the product used.

- Always free**  
Never expires
- 12 months free**  
Start from initial sign-up date
- Trial**  
Start from service activation date

**Contact information**

How do you plan to use AWS?

- ☐ Business - for your work, school, or organization
- ☐ Personal - for your own projects

Who should we contact about this account?

Full Name

Phone Number

Country or Region

Address

City

State, Province, or Region

Postal Code

☐ I have read and agree to the terms of the [AWS Customer Agreement](#)

[Continue Step 2 of 3](#)

**Secure verification**

We will not charge you for usage before AWS Free Tier limits. We may temporarily hold up to \$1 USD (or an equivalent amount in local currency) as a pending transaction for 3-5 days to verify your identity.

**Billing information**

Credit or debit card number

Expiration date

Cardholder's name

Billing address

☒ Use my contact address

☐ Use a new address

[Verify and Continue \(Step 3 of 3\)](#)

**Step 1.6:** Choose how you want to confirm your identity and choose Basic support - Free to create a Free AWS account.

**Sign up for AWS**

**Confirm your identity**

Before you can use your AWS account, you must verify your phone number. When you continue, the AWS automated system will contact you with a verification code.

How should we send you the verification code?

- ☒ Text message (SMS)
- ☐ Voice call

Country or region code

Mobile phone number

Security check

Type the characters as shown above

[Send SMS \(Step 4 of 5\)](#)

**Sign up for AWS**

**Select a support plan**

Choose a support plan for your business or personal account. [Compare plans and pricing examples](#). You can change your plan anytime in the AWS Management Console.

- Basic support - Free**  
Recommended for new users just getting started with AWS.  
• 24x7 self-service access to AWS resources  
• For account and billing issues only  
• Access to Personal Health Dashboard & Trusted Advisor
- Developer support - From \$29/month**  
Recommended for developers experimenting with AWS.  
• Email access to AWS Support during business hours  
• 12 Business-hour response time
- Business support - From \$100/month**  
Recommended for existing production workloads on AWS.  
• 24x7 multi-person support via email, phone, and chat  
• 1-hour response times  
• Full set of Trusted Advisor best practice recommendations

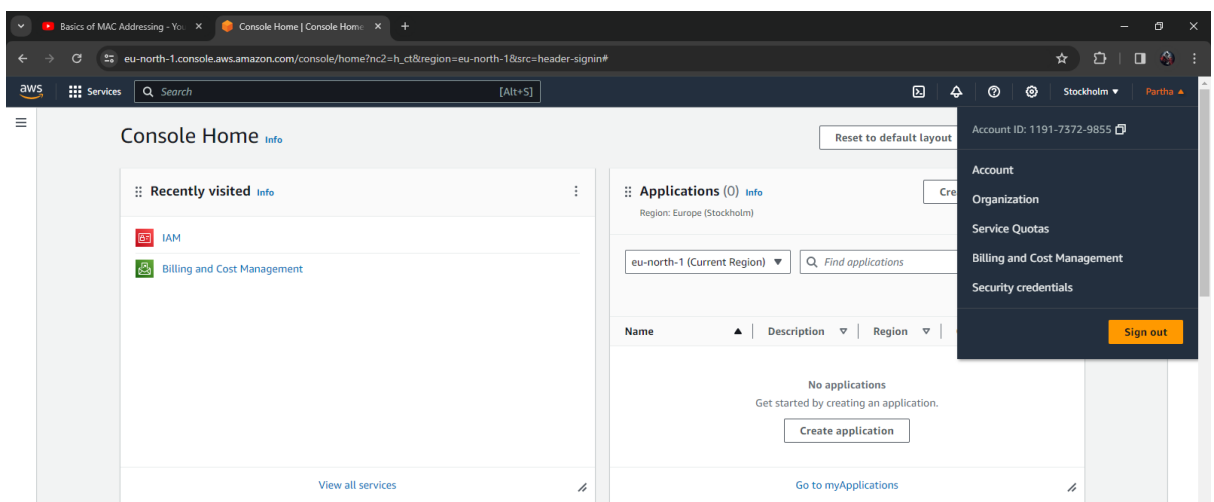
**Need Enterprise level support?**  
From \$15,000 a month you will receive 15-minute response times and on-call style experience with an assigned Technical Account Manager. [Learn more](#)

[Complete sign up](#)

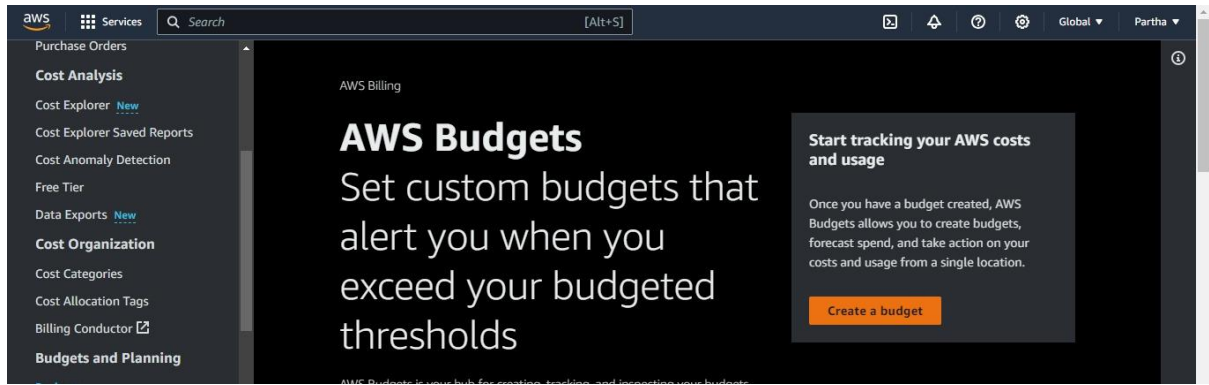
## 2. Configure Budget

**AWS Budgets is the simplest way to monitor your AWS spend and be alerted when you exceed or are forecasted to exceed your desired spending limit.**

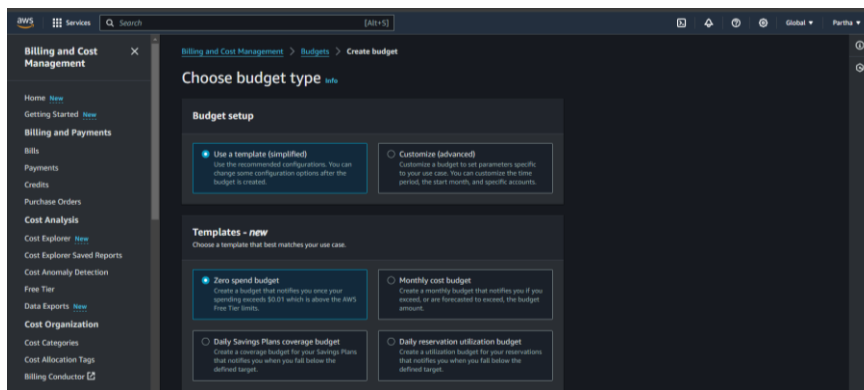
**Step 2.1:** Open your AWS Console, click on your account and click on Billing and Cost Management.



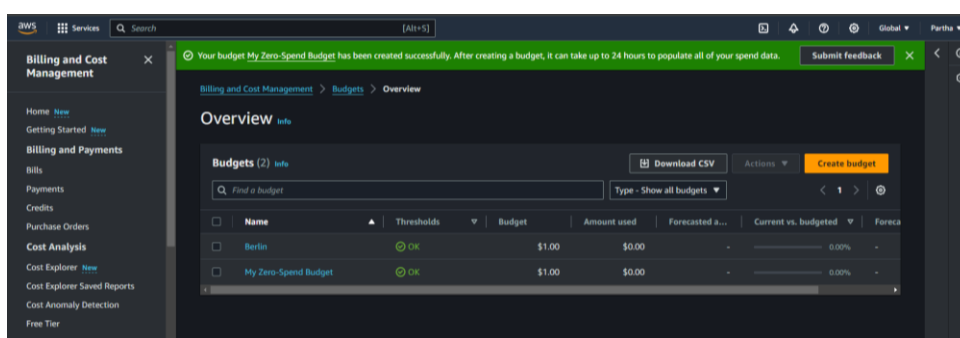
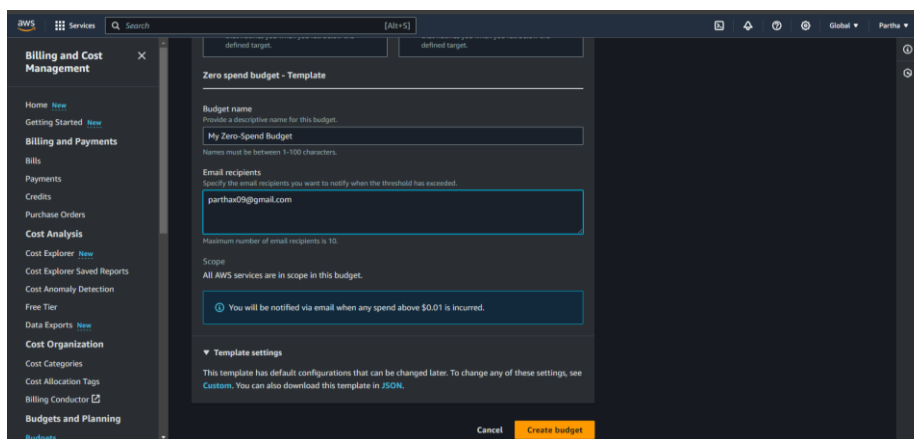
**Step 2.2:** Go to Budgets and then click on Create Budget.



**Step 2.3:** Choose the budget type, you can use a template or customize it on your own to create a budget.



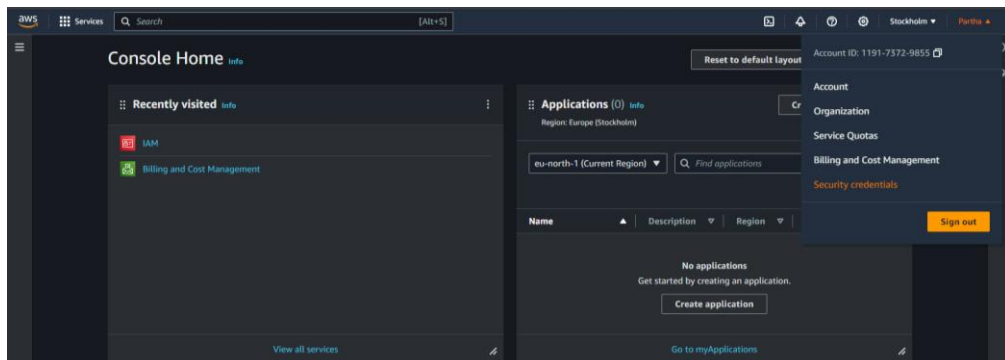
**Step 2.4:** Choose the budget name, the amount you can spend on the given budgeting period, and the email address(es) where you are willing to get the alerting emails. Then click on Create Budget to complete your budget creation.



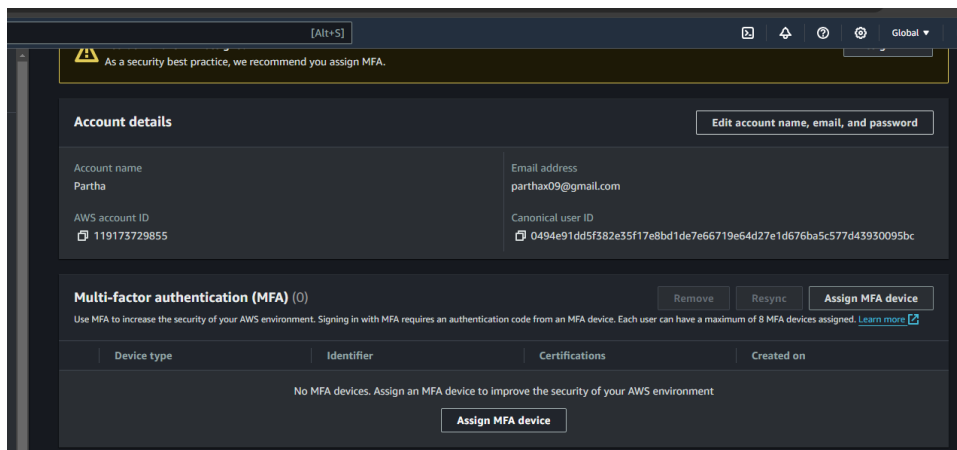
## Assignment 2

**Problem Statement:** Create MFA for authentication.

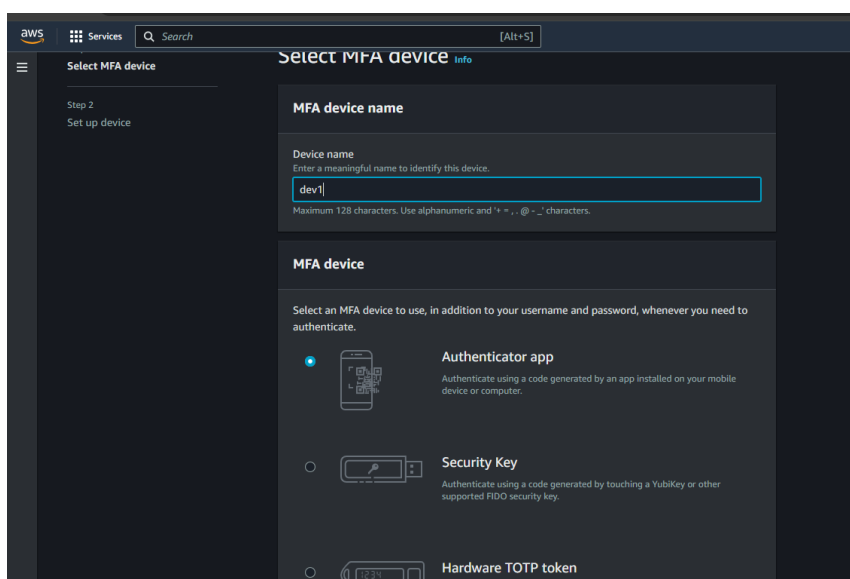
Step 1.1: Go to your profile > Security credentials



Step 1.2. Click on Assign MFA Device



Step 1.3: Add the MFA Device name



Step 1.4: Scan the QR code with your other device and input the two MFA codes as required. Click on Add MFA.

The screenshot shows the 'Set up device' page in the AWS IAM console. The page is titled 'Authenticator app' and includes a sub-header: 'A virtual MFA device is an application running on your device that you can configure by scanning a QR code.' The page is divided into three numbered steps:

- 1** Install a compatible application such as Google Authenticator, Duo Mobile, or Authy app on your mobile device or computer. [See a list of compatible applications](#)
- 2** Open your authenticator app, choose **Show QR code** on this page, then use the app to scan the code. Alternatively, you can type a secret key. [Show secret key](#)
- 3** Fill in two consecutive codes from your MFA device.

Below the steps, there are two input fields for 'MFA code 1' and 'MFA code 2'. At the bottom right, there are three buttons: 'Cancel', 'Previous', and 'Add MFA'.

Step 1.5: Your MFA has been set up.

The screenshot shows the AWS IAM console interface. At the top, there is a green banner with the message: 'MFA device assigned. You can register up to 8 MFA devices of any combination of the currently supported MFA types with your AWS account root and IAM user. With multiple MFA devices, you only need one MFA device to sign in to the AWS console or create a session through the AWS CLI with that user.'

Below the banner, the 'Account details' section is visible, showing the account name 'Partha', email address 'parthax09@gmail.com', and AWS account ID '119173729855'. There is an 'Edit account name, email, and password' button.

The 'Multi-factor authentication (MFA) (1)' section is also visible, showing a table with one device assigned:

Device type	Identifier	Certifications	Created on
Virtual	arn:aws:iam::119173729855:mfa/dev1	Not Applicable	Now

Buttons for 'Remove', 'Resync', and 'Assign MFA device' are present above the table.