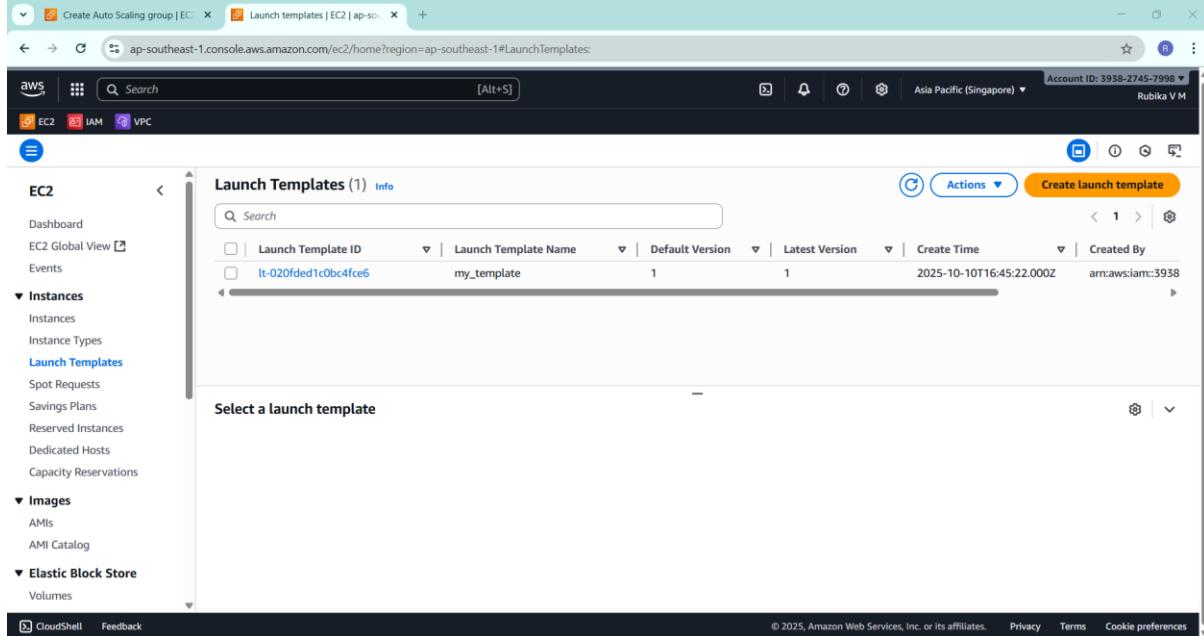


# TASK – 11

## Auto scaling group:

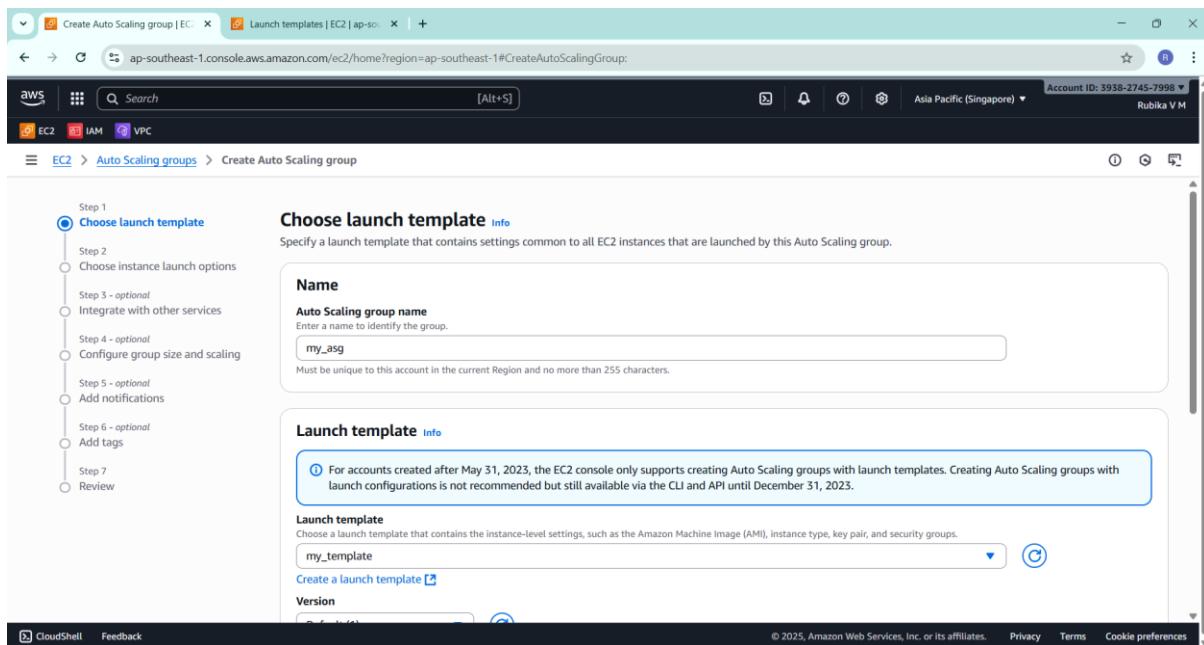
### Creation of launch template:



The screenshot shows the AWS EC2 Launch Templates page. On the left, there's a navigation sidebar with options like Dashboard, EC2 Global View, Events, Instances (selected), Images, and Elastic Block Store. The main area is titled "Launch Templates (1) Info". It lists a single entry: "Launch Template ID" is lt-020fded1c0bc4fce6, "Launch Template Name" is my\_template, "Default Version" is 1, "Latest Version" is 1, "Create Time" is 2025-10-10T16:45:22.000Z, and "Created By" is arn:aws:iam::3938. At the top right, there are "Actions" and "Create launch template" buttons.

### Creation of Auto scaling group:

#### Step 1:



The screenshot shows the "Create Auto Scaling group" wizard at Step 1: Choose launch template. The left sidebar shows steps from Step 1 to Step 7, with Step 1 selected. The main area has two sections: "Choose launch template" and "Launch template". In the "Choose launch template" section, it says "Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group." Below this is a "Name" field with "Auto Scaling group name" and "my\_asg" entered. In the "Launch template" section, it says "Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups." Below this is a "Launch template" dropdown with "my\_template" selected, and a "Create a launch template" button. A note at the bottom of the "Launch template" section states: "For accounts created after May 31, 2023, the EC2 console only supports creating Auto Scaling groups with launch templates. Creating Auto Scaling groups with launch configurations is not recommended but still available via the CLI and API until December 31, 2023."

## Step 2:

The screenshot shows the AWS Auto Scaling group creation wizard at Step 2. The instance type is set to t2.micro. The Network section shows the VPC (vpc-00a32b792ae81dee) and three availability zones (apse1-az1, apse1-az2, apse1-az3) selected. The Availability Zones and subnets dropdown lists these three zones.

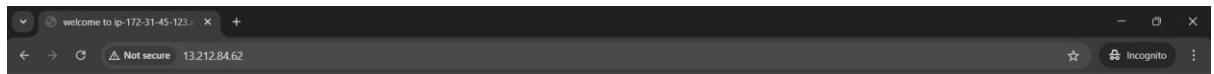
## Step 4:

The screenshot shows the AWS Auto Scaling group creation wizard at Step 4. The 'Configure group size and scaling' step is selected. The 'Desired capacity' is set to 2. The 'Scaling limits' section shows 'Min desired capacity' as 1 and 'Max desired capacity' as 10. The 'Automatic scaling - optional' section includes a link to 'Choose whether to use a target tracking policy'.

The screenshot shows the AWS Auto Scaling groups console. At the top, there are tabs for 'Auto Scaling groups' and 'Launch templates'. The main area displays a table for 'Auto Scaling groups (1) Info'. The table has columns for Name, Launch template/configuration, Instances, Status, Desired capacity, Min, Max, Availability Zones, and F...'. One row is shown for 'my\_asg' with a launch template named 'my\_template | Version Default'. The status is '2 instances', and the desired capacity is '2'. The availability zones are listed as '3 Availability Zones'. At the bottom left, it says '0 Auto Scaling groups selected'.

## Creation of 2 instance through auto-scaling:

The screenshot shows the AWS Instances console. At the top, there are tabs for 'Instances' and 'Launch configurations'. The main area displays a table for 'Instances (2) Info'. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, and Public IP. Two instances are listed: 'i-01267b92d7ddd3ad2' and 'i-00d891828df8de92c'. Both instances are in a 'Running' state, t2.micro type, and initializing status. They are located in 'ap-southeast-1a' and 'ap-southeast-1c' availability zones with public IPs 'ec2-13-2-' and 'ec2-13-2-' respectively. Below the table, a section titled 'Select an instance' is visible.



hello from ip-172-31-45-123.ap-southeast-1.compute.internal