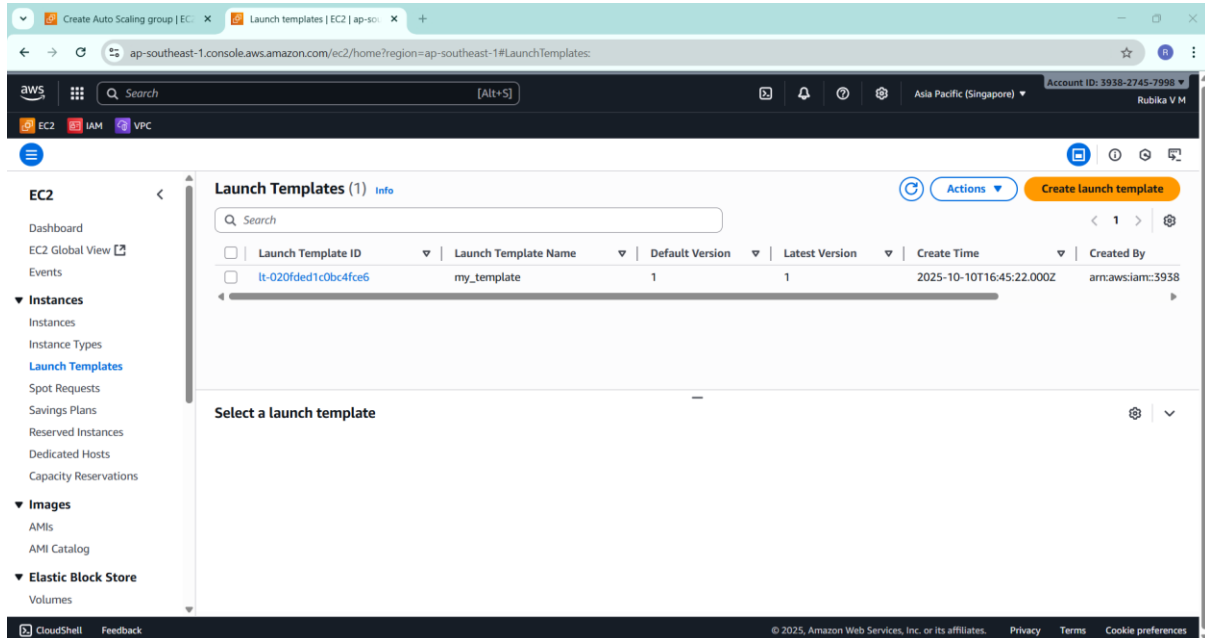


TASK – 11

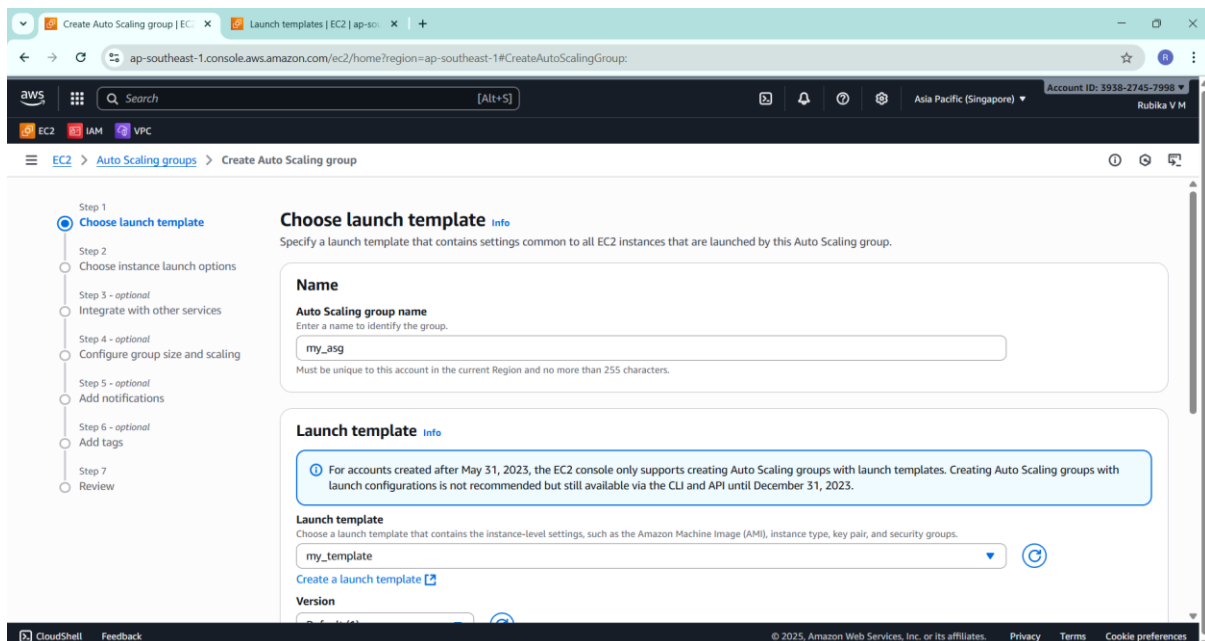
Auto scaling group:

Creation of launch template:



Creation of Auto scaling group:

Step 1:



Step 2:

The screenshot shows the 'Create Auto Scaling group' page in the AWS Management Console, specifically the 'Network' step. The left sidebar shows the progress: Step 1 (optional) 'Add tags' is completed, and Step 2 'Network' is the current step. The main content area is titled 'Network' and includes an 'Info' icon. It explains that for most applications, multiple Availability Zones can be used for high availability. The 'VPC' section shows a dropdown menu with 'vpc-00aa32b792ae81dee' selected. Below this, the 'Availability Zones and subnets' section shows a dropdown menu with 'Select Availability Zones and subnets' selected. Three subnets are listed: 'apse1-az1 (ap-southeast-1b) | subnet-03776fe5f5968f808', 'apse1-az2 (ap-southeast-1a) | subnet-00b1afc1e5e29345', and 'apse1-az3 (ap-southeast-1c) | subnet-09cd94db8c5f77451'. Each subnet has a default IP range of '172.31.0.0/16' and a 'Default' label. The bottom of the page shows the footer with 'CloudShell', 'Feedback', and copyright information.

Step 2 - optional
Add tags
Step 7
Review

Network [Info](#)

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.

VPC
Choose the VPC that defines the virtual network for your Auto Scaling group.

vpc-00aa32b792ae81dee
172.31.0.0/16 Default [Create a VPC](#)

Availability Zones and subnets
Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.

Select Availability Zones and subnets

apse1-az1 (ap-southeast-1b) | subnet-03776fe5f5968f808
172.31.16.0/20 Default

apse1-az2 (ap-southeast-1a) | subnet-00b1afc1e5e29345
172.31.32.0/20 Default

apse1-az3 (ap-southeast-1c) | subnet-09cd94db8c5f77451
172.31.0.0/20 Default

[Create a subnet](#)

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Step 4:

The screenshot shows the 'Create Auto Scaling group' page in the AWS Management Console, specifically the 'Group size and scaling' step. The left sidebar shows the progress: Step 2 'Choose instance launch options' is completed, Step 3 'Integrate with other services' is completed, Step 4 'Configure group size and scaling' is the current step, and Step 5 'Add notifications' is optional. The main content area is titled 'Group size' and includes an 'Info' icon. It explains that the initial size of the Auto Scaling group can be set, and it can be changed later. The 'Desired capacity type' section shows a dropdown menu with 'Units (number of instances)' selected. Below this, the 'Desired capacity' section shows a text input field with the value '2'. The 'Scaling' section includes an 'Info' icon and explains that the group can be resized manually or automatically. The 'Scaling limits' section shows two input fields: 'Min desired capacity' with the value '1' and 'Max desired capacity' with the value '10'. The 'Automatic scaling - optional' section shows a checkbox for 'Choose whether to use a target tracking policy' which is currently unchecked. The bottom of the page shows the footer with 'CloudShell', 'Feedback', and copyright information.

Step 2
Choose instance launch options
Step 3 - optional
Integrate with other services
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review

Group size [Info](#)

Set the initial size of the Auto Scaling group. After creating the group, you can change its size to meet demand, either manually or by using automatic scaling.

Desired capacity type
Choose the unit of measurement for the desired capacity value. vCPUs and Memory(GiB) are only supported for mixed instances groups configured with a set of instance attributes.

Units (number of instances)

Desired capacity
Specify your group size.

2

Scaling [Info](#)

You can resize your Auto Scaling group manually or automatically to meet changes in demand.

Scaling limits
Set limits on how much your desired capacity can be increased or decreased.

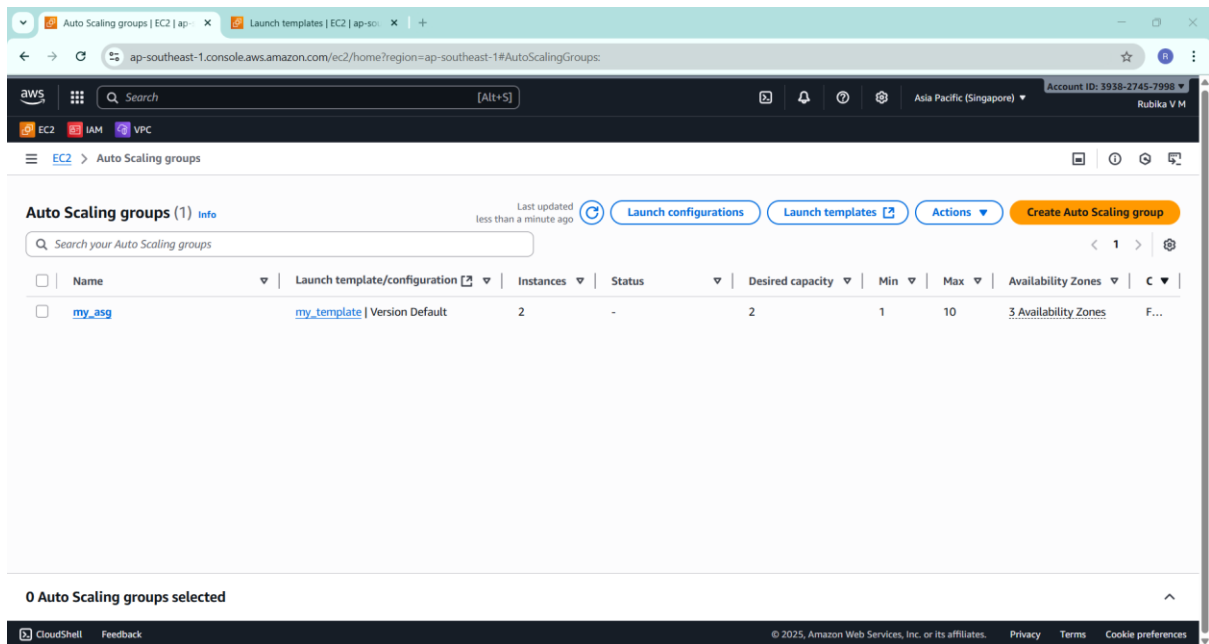
Min desired capacity **Max desired capacity**

1 10

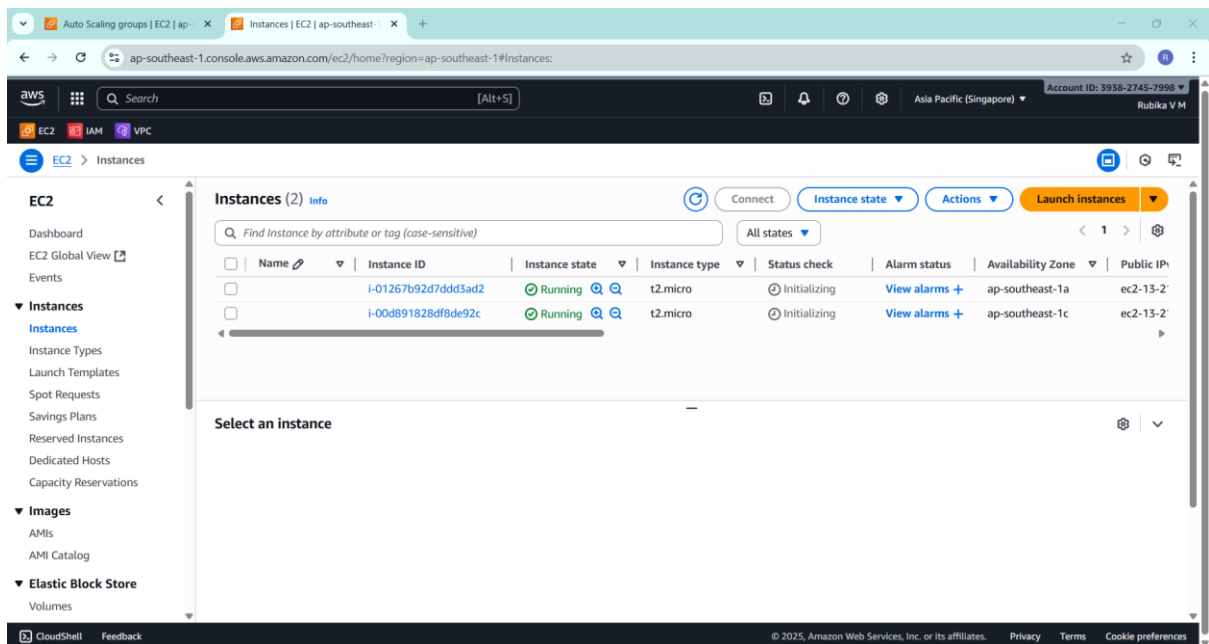
Equal or less than desired capacity Equal or greater than desired capacity

Automatic scaling - optional
Choose whether to use a target tracking policy [Info](#)

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Creation of 2 instance through auto-scaling:





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