

**Made By**

**Satish Rajurkar**

**Vaibhav Sarode**

**017 Practical – Manual Scaling – 01 Mar 2022**

- We have to create one instance using AMAZON Linux AMI.
- After launching Instance we have installed httpd by using **yum install httpd -y** command
- Start the server by using **service httpd start** command
- Now go to **/var/www/html** directory by using **cd** command
- Add one **index.html** file into html directory

**Now go to AWS Console and create AMI of that instance**

The screenshot shows the AWS EC2 Management Console interface. The left sidebar is collapsed, and the main area displays the 'Amazon Machine Images (AMIs)' page. A single AMI is listed:

Name	AMI ID	AMI name	Visibility	Status	Creation date
AMI-for-Manual-Scaling	ami-065ca4a17b107d8fd	AMI-for-Manual-Scaling	Private	Available	2022/03/03

A modal window is open for the selected AMI, showing its details:

AMI ID: ami-065ca4a17b107d8fd (AMI-for-Manual-Scaling)			
Details	Permissions	Storage	Tags
AMI ID ami-065ca4a17b107d8fd (AMI-for-Manual-Scaling)	Image type machine	Platform details Linux/UNIX	Root device type EBS
AMI name AMI-for-Manual-Scaling	Owner account ID 876283541003	Architecture x86_64	Usage operation RunInstances
Root device name /dev/xvda	Status Available	Source 876283541003/AMI-for-Manual-Scaling	Virtualization type hvm
Boot mode -	State reason -	Creation date Thu Mar 03 2022 12:47:06 GMT+0530	Kernel ID -

- We have created one AMI from instance in which we have installed **httpd** and added one **index.html** file

The screenshot shows the AWS EC2 Instances page. The browser tab is titled "Instances | EC2 Management Con..." and the URL is "us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:v=3;instanceState=running". The left sidebar has "New EC2 Experience" selected. Under "Instances", "Instances New" is highlighted. The main content area shows a table with columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Available. A search bar at the top says "Search for services, features, blogs, docs, and more" and includes filters for "Instance state = running" and "Clear filters". A message at the bottom of the table says "No matching instances found". At the bottom of the page, there's a section for "Instance: i-07685454c390092f7 (Instance-for-ami)". The footer includes links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons.

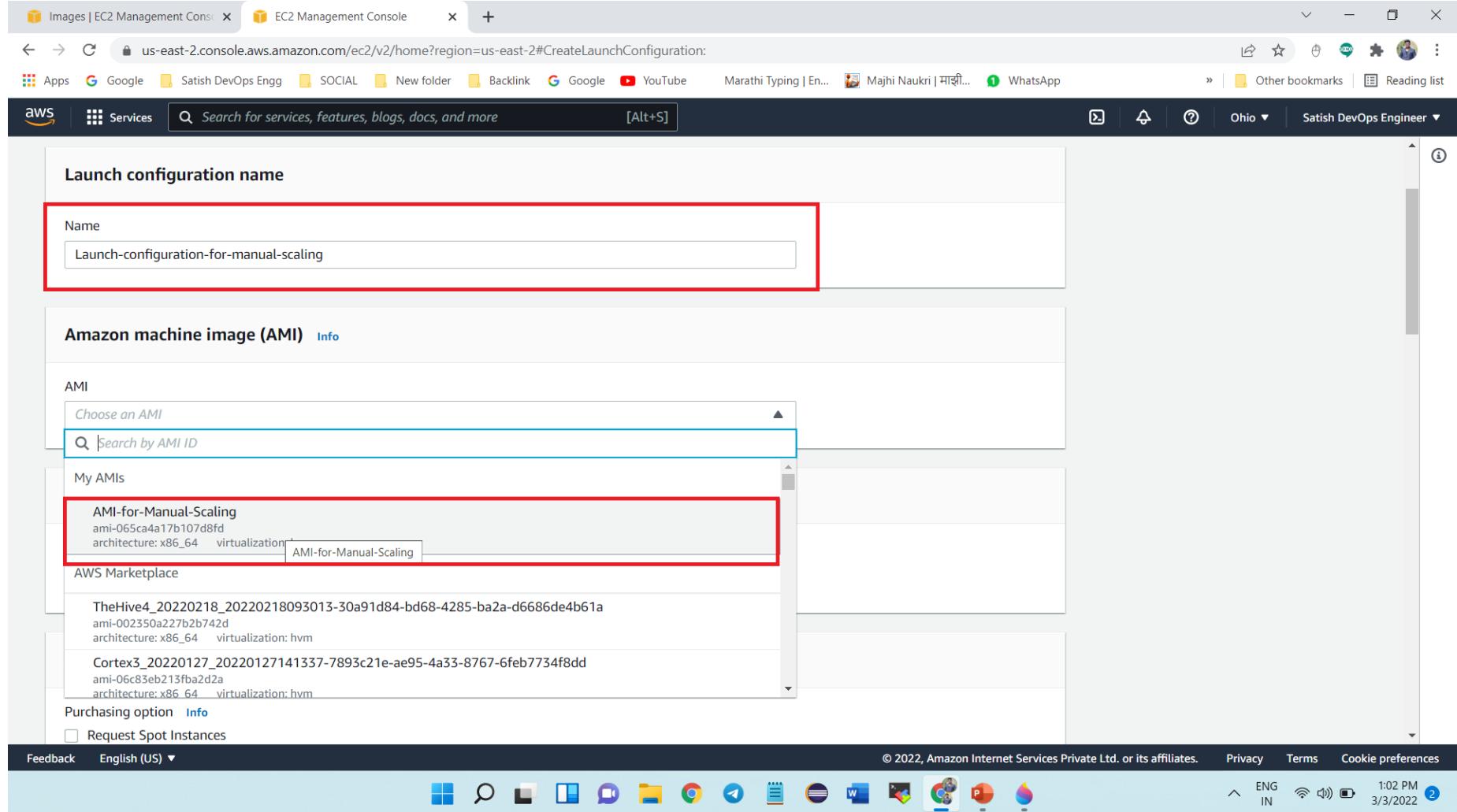
- Here you can see we have deleted all of instances

The screenshot shows the AWS EC2 Management Console interface. The left sidebar contains navigation links for AMIs, Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups), and Auto Scaling (Launch Configurations, Auto Scaling Groups). The main content area is titled "Launch configurations (0)" and displays a table with columns: Name, AMI ID, Instance type, Spot price, and Creation time. A message states "No launch configurations found in this region." with a "Create launch configuration" button. Below this, a section titled "Select a launch configuration above" is visible. The bottom of the screen includes standard browser controls, a toolbar with various icons, and a footer with copyright information and system status.

- Now go to Launch Configurations

The screenshot shows the AWS EC2 Management Console interface. The top navigation bar includes tabs for 'Images | EC2 Management Console' and 'EC2 Management Console'. The URL in the address bar is 'us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchConfigurations:'. The top menu bar has links for 'Apps', 'Google', 'Satisf DevOps Engg', 'SOCIAL', 'New folder', 'Backlink', 'Google', 'YouTube', 'Marathi Typing | En...', 'Majhi Naukri | माझी...', 'WhatsApp', 'Other bookmarks', and 'Reading list'. On the right, there are icons for 'Ohio', 'Satisf DevOps Engineer', and a user profile. The main content area is titled 'Launch configurations (0)' and shows a table with columns: Name, AMI ID, Instance type, Spot price, and Creation time. A message says 'No launch configurations found in this region.' Below the table is a large orange 'Create launch configuration' button. The left sidebar contains sections for 'New EC2 Experience', 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Tags', 'Limits', 'Instances' (with sub-links for 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', and 'Capacity Reservations'), 'Images' (with sub-links for 'AMIs' and 'AMI Catalog'), and 'Elastic Block Store'. At the bottom, there's a toolbar with various icons, a footer with copyright information ('© 2022, Amazon Internet Services Private Ltd. or its affiliates.'), and a system tray showing 'ENG IN', '1:01 PM 3/3/2022', and a battery icon.

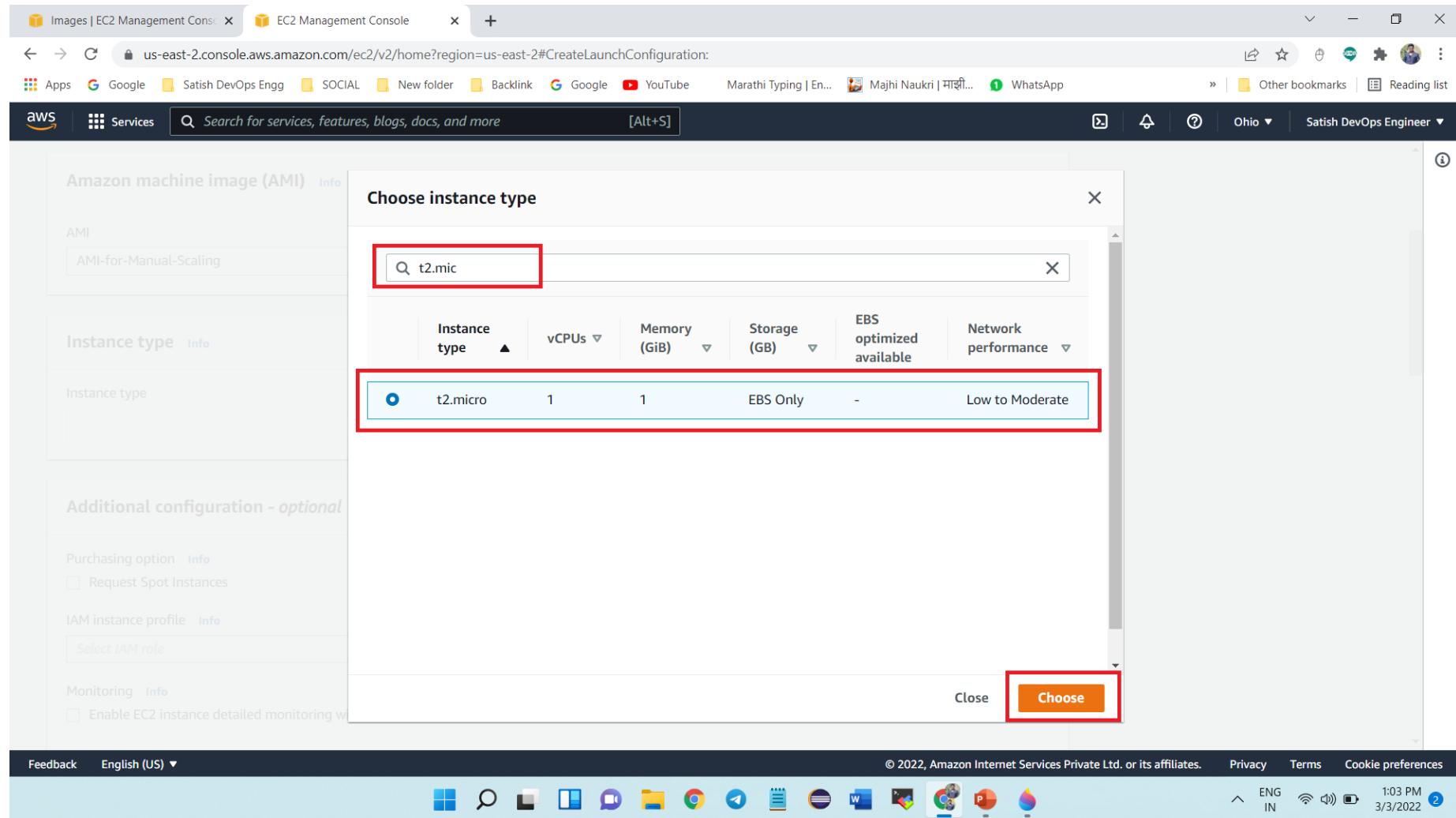
- Click on Create launch configuration



- Give name to Launch Configuration
- Select that AMI which you have created

The screenshot shows the AWS EC2 Management Console interface for creating a launch configuration. The top navigation bar includes links for 'Images | EC2 Management Console', 'EC2 Management Console', and a search bar. The main content area is titled 'Amazon machine image (AMI)' and shows a dropdown menu set to 'AMI-for-Manual-Scaling'. Below this is the 'Instance type' section, which contains a dropdown menu and a prominent red-bordered button labeled 'Choose instance type'. Further down is the 'Additional configuration - optional' section, which includes options for purchasing spot instances, selecting an IAM instance profile, and enabling CloudWatch monitoring, each with its own descriptive text and a small checkbox.

- Scroll Down
- And click on Choose Instance Type



- Search for t2.Micro
- select t2.micro and click on Choose

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#CreateLaunchConfiguration](https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#CreateLaunchConfiguration). The 'Services' bar is selected, and the search bar contains 'Search for services, features, blogs, docs, and more'. The main area is titled 'Security groups' with an 'Info' link. It displays a table of security groups:

Security group ID	Name	VPC ID	Description
sg-005a9761f1028d93f	default	vpc-0d530da491583e01c	default VPC security group
sg-0151153ca6adc0c8d	ohio-instance	vpc-0d530da491583e01c	ohio-instance
sg-03ca72a52fa7e0e71	ohio-security-group-http-80	vpc-0d530da491583e01c	ohio-security-group-http-80
sg-08ff2cbb0ec97fe5f	ohio-ssh-http-80-90	vpc-0d530da491583e01c	ohio-ssh-http-80-90
sg-09e4a973982f1bded	90-ssh	vpc-0d530da491583e01c	90-ssh

A warning message at the bottom left of the table area states: "⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only."

At the bottom of the page, there are links for Feedback, English (US), © 2022, Amazon Internet Services Private Ltd. or its affiliates., Privacy, Terms, and Cookie preferences. The status bar shows ENG IN, 1:04 PM, 3/3/2022, and a battery icon.

- Scroll Down
- Select that security group in which you have opened http 80

The screenshot shows the AWS EC2 Management Console interface. At the top, there are two tabs: 'Images | EC2 Management Console' and 'EC2 Management Console'. The URL in the address bar is 'us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#CreateLaunchConfiguration'. The browser toolbar includes 'Apps', 'Google', 'Satisf DevOps Engg', 'SOCIAL', 'New folder', 'Backlink', 'Google', 'YouTube', 'Marathi Typing | En...', 'Majhi Naukri | माझी...', 'WhatsApp', 'Other bookmarks', 'Ohio', and 'Satisf DevOps Engineer'.

The main content area shows a list of security groups:

ID	Name	VPC ID	Description
sg-0151153cabad0c08d	ohio-instance	vpc-0d550da491583e01c	ohio-instance
sg-03ca72a52fa7e0e71	ohio-security-group-http-80	vpc-0d530da491583e01c	ohio-security-group-http-80
sg-08ff2ccb0ec97fe5f	ohio-ssh-http-80-90	vpc-0d530da491583e01c	ohio-ssh-http-80-90
sg-09e4a973982f1bded	90-ssh	vpc-0d530da491583e01c	90-ssh

A warning message at the bottom of the list states: "⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only."

The 'Key pair (login)' section is highlighted with a red box. It contains:

- 'Key pair options': A dropdown menu with the option 'Choose an existing key pair'.
- 'Existing key pair': A dropdown menu with the option 'ohio-instance'.
- A checkbox: 'I acknowledge that I have access to the selected private key file (ohio-instance.pem), and that without this file, I won't be able to log into my instance.' This checkbox is checked.

The 'Create launch configuration' button is highlighted with a red box and is located at the bottom right of the 'Key pair (login)' section.

At the bottom of the page, there are links for 'Feedback', 'English (US)', 'Privacy', 'Terms', 'Cookie preferences', and copyright information: '© 2022, Amazon Internet Services Private Ltd. or its affiliates.' The status bar at the bottom right shows 'ENG IN', '1:05 PM', '3/3/2022', and a battery icon.

- Scroll Down
- Select the key pair
- Now click on Create Launch Configuration

The screenshot shows the AWS EC2 Management Console interface. The top navigation bar includes tabs for 'Images | EC2 Management Console' and 'EC2 Management Console'. The URL is 'us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchConfigurations:'. The search bar contains 'Search for services, features, blogs, docs, and more [Alt+S]'. The left sidebar has sections for 'New EC2 Experience', 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Tags', 'Limits', 'Instances' (with 'Instances New', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances New', 'Dedicated Hosts', 'Capacity Reservations'), 'Images' (with 'AMIs New', 'AMI Catalog'), and 'Elastic Block Store'. A red box highlights a success message: 'Successfully created launch configuration: Launch-configuration-for-manual-scaling'. The main content area shows 'Launch configurations (1/1)' with a table header: 'Name', 'AMI ID', 'Instance type', 'Spot price', and 'Creation time'. A single row is listed: 'Launch-configuration-for-manual-scaling', 'ami-065ca4a17b107d8fd', 't2.micro', '-', and 'Thu Mar 03 2022 13:05:52 ...'. Below this, a detailed view for 'Launch configuration: Launch-configuration-for-manual-scaling' shows 'Details' for AMI ID (ami-065ca4a17b107d8fd), Instance type (t2.micro), IAM instance profile (-), Kernel ID (-), Key name (ohio-instance), Monitoring (false), EBS optimized (false), Security groups (sg-03ca72a52fa7e0e71), and Spot price (-). A 'Copy launch configuration' button is present. The bottom of the page includes links for 'Feedback', 'English (US)', '© 2022, Amazon Internet Services Private Ltd. or its affiliates.', 'Privacy', 'Terms', 'Cookie preferences', and system status icons.

- Here our launch configuration is created successfully

The screenshot shows the AWS EC2 Management Console home page for the 'us-east-2' region. The left sidebar contains navigation links for AMIs, Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups), and Auto Scaling (Launch Configurations, Auto Scaling Groups). The 'Auto Scaling Groups' link is highlighted with a red box. The main content area features a large title 'Amazon EC2 Auto Scaling' with the subtitle 'helps maintain the availability of your applications'. Below this is a description of Auto Scaling groups and a diagram showing an 'Auto Scaling group' with an upward and downward arrow icon. To the right, there are two callout boxes: 'Create Auto Scaling group' (with a red border around the button) and 'Pricing'. The bottom of the screen shows the Windows taskbar with various pinned icons.

- Now go to Auto Scaling Group
- Click on Create Auto Scaling Group

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create). The left sidebar shows navigation options like AMIs, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. Under Auto Scaling, 'Auto Scaling Groups' is selected. The main content area is titled 'Choose launch template or configuration'. It includes steps for choosing a launch template or configuration, instance launch options, advanced options, group size and scaling policies, notifications, and tags. A large red box highlights the 'Name' input field where 'Manual-scaling-group' is typed. Another red box highlights the 'Switch to launch configuration' button.

- Give name to it
- And click on Switch to Launch Configuration

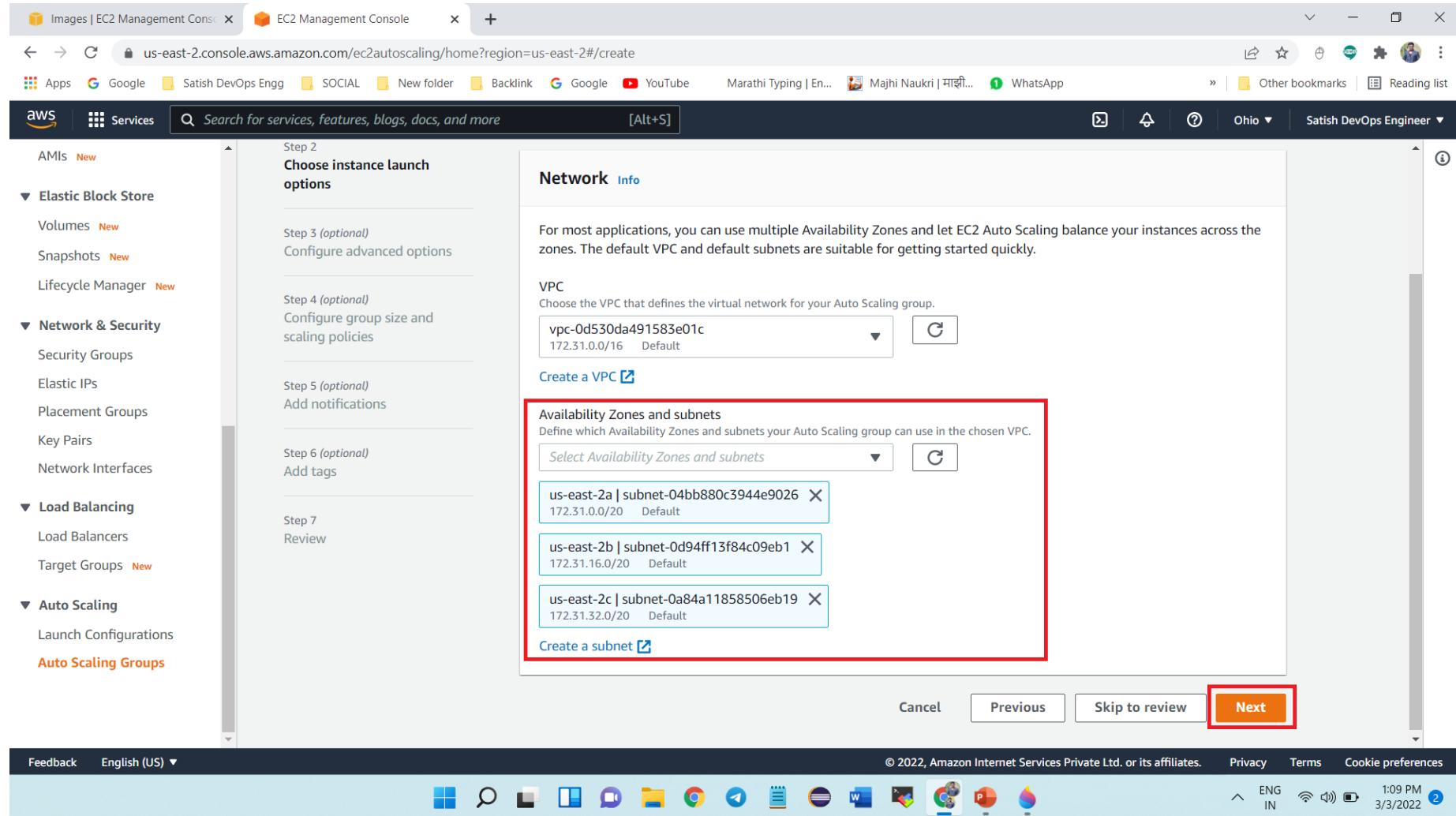
The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create). The left sidebar shows navigation categories like AMIs, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. Under Auto Scaling, 'Auto Scaling Groups' is selected. The main content area is titled 'Choose launch template or configuration' and includes steps for creating an Auto Scaling group. The 'Launch configuration' dropdown is highlighted with a red box, showing 'Launch-configuration-for-manual-scaling' selected. Other options in the dropdown include 'Select a launch configuration' and 'Search launch configurations'. Buttons for 'Cancel' and 'Next' are visible at the bottom right of the modal.

- Select your particular launch configuration

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create). The left sidebar shows navigation links for AMIs, Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups), and Auto Scaling (Launch Configurations, Auto Scaling Groups). The main content area displays the 'Create Auto Scaling Group' wizard, Step 2: Choose instance launch options. It includes fields for 'Auto Scaling group name' (set to 'Manual-scaling-group'), 'Launch configuration' (set to 'Launch-configuration-for-manual-scaling'), and instance details like AMI ID, Date created, Instance type, and Key pair name. The 'Next' button at the bottom right is highlighted with a red box.

Feedback English (US) © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences ENG IN 1:09 PM 3/3/2022 2

- Now click on Next



- Now select all Availability Zones inside that region
- Then click on next

The screenshot shows the AWS EC2 Management Console interface for creating a new Auto Scaling group. The left sidebar navigation includes 'AMIs', 'Elastic Block Store' (with 'Volumes' and 'Snapshots'), 'Network & Security' (with 'Security Groups', 'Elastic IPs', 'Placement Groups', 'Key Pairs', and 'Network Interfaces'), 'Load Balancing' (with 'Load Balancers' and 'Target Groups'), and 'Auto Scaling' (with 'Launch Configurations' and 'Auto Scaling Groups'). The 'Auto Scaling Groups' item is currently selected.

The main content area displays the 'Configure advanced options' step, which consists of several optional steps:

- Step 1: Choose launch template or configuration**
- Step 2: Choose instance launch options**
- Step 3 (optional): Configure advanced options**
- Step 4 (optional): Configure group size and scaling policies**
- Step 5 (optional): Add notifications**
- Step 6 (optional): Add tags**
- Step 7: Review**

**Load balancing - optional**

Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.

**No load balancer**  
Traffic to your Auto Scaling group will not be fronted by a load balancer.

**Attach to an existing load balancer**  
Choose from your existing load balancers.

**Attach to a new load balancer**  
Quickly create a basic load balancer to attach to your Auto Scaling group.

**Health checks - optional**

Health check type [Info](#)  
EC2 Auto Scaling automatically replaces instances that fail health checks. If you enabled load balancing, you can enable ELB health checks in addition to the EC2 health checks that are always enabled.

**EC2**  **ELB**

Health check grace period  
The amount of time until EC2 Auto Scaling performs the first health check on new instances after they are put into service.  
300 seconds

Feedback English (US) © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences ENG IN 1:10 PM 3/3/2022 2

- Choose No Load Balancer

The screenshot shows the AWS EC2 Management Console interface for creating a new Auto Scaling group. The left sidebar lists services like AMIs, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. The main area is titled 'Step 4 (optional) Configure group size and scaling policies'. It includes sections for 'Step 4 (optional)', 'Step 5 (optional)', 'Step 6 (optional)', and 'Step 7 Review'. Under 'Step 4', three options are shown: 'No load balancer' (selected), 'Attach to an existing load balancer', and 'Attach to a new load balancer'. The 'No load balancer' section describes how traffic will not be fronted by a load balancer. Below this is a 'Health checks - optional' section with a 'Health check type' dropdown showing 'EC2' (checked) and 'ELB' (unchecked). A red box highlights the 'Health check grace period' input field, which is set to '150' seconds. Another red box highlights the 'Next' button at the bottom right of the step panel.

- We are using 120 Seconds as Grace Period
- Then click on next

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create). The left sidebar shows various AWS services like AMIs, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. Under Auto Scaling, 'Auto Scaling Groups' is selected. The main content area is titled 'Configure group size and scaling policies'. It provides instructions to set desired, minimum, and maximum capacity for the Auto Scaling group. A red box highlights the 'Group size - optional' section, which includes fields for Desired capacity (set to 2), Minimum capacity (set to 2), and Maximum capacity (set to 6). Below this, the 'Scaling policies - optional' section shows that 'None' is selected.

Feedback English (US) ▾

© 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences

ENG IN 1:11 PM 3/3/2022 2

- Now change desired capacity as 2
- Minimum capacity as 2
- Maximum capacity as 2

The screenshot shows the AWS EC2 Management Console interface for creating a new Auto Scaling group. On the left, a sidebar lists services like AMIs, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. The 'Auto Scaling Groups' option under Auto Scaling is selected. The main area displays Step 5 (optional) for notifications, Step 6 (optional) for tags, and Step 7 (Review). The 'Scaling policies - optional' section contains two options: 'Target tracking scaling policy' (radio button unselected) and 'None' (radio button selected and highlighted with a red box). Below it, the 'Instance scale-in protection - optional' section includes a checkbox for enabling instance scale-in protection, which is unselected. At the bottom, there are 'Cancel', 'Previous', 'Skip to review', and 'Next' buttons, with 'Next' being highlighted with a red box.

- Select None in scaling policies
- Then click on Next

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create). The left sidebar is collapsed, and the main area displays the 'Create Auto Scaling group' wizard, Step 5: Add notifications.

The wizard steps are:

- Step 1: Choose launch template or configuration
- Step 2: Choose instance launch options
- Step 3 (optional): Configure advanced options
- Step 4 (optional): Configure group size and scaling policies
- Step 5 (optional): Add notifications
- Step 6 (optional): Add tags
- Step 7: Review

The 'Add notifications' step is currently active. A red box highlights the 'Next' button at the bottom right of the step panel. Other buttons include 'Cancel', 'Previous', and 'Skip to review'.

At the bottom of the page, there are links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons for ENG IN, battery level, and network connectivity.

- Click on Next

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create). The left sidebar is collapsed, and the main area shows the 'Create Auto Scaling group' wizard, Step 6: Add tags.

**Step 6: Add tags**

Add tags to help you search, filter, and track your Auto Scaling group across AWS. You can also choose to automatically add these tags to instances when they are launched.

**Info:** You can optionally choose to add tags to instances (and their attached EBS volumes) by specifying tags in your launch template. We recommend caution, however, because the tag values for instances from your launch template will be overridden if there are any duplicate keys specified for the Auto Scaling group.

**Tags (0)**

Add tag

50 remaining

Cancel Previous **Next**

**Feedback English (US) ▾**

© 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences

ENG IN 1:12 PM 3/3/2022 2

- Click on Next

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create). The left sidebar is collapsed, and the main area displays the 'Create Auto Scaling group' wizard.

**Step 1: Choose launch template or configuration**

**Group details**

- Auto Scaling group name: Manual-scaling-group

**Launch configuration**

- Launch-configuration-for-manual-scaling

**Step 2: Choose instance launch options**

**Network**

Network: vpc-0d530da491583e01c

**Feedback** English (US) © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences ENG IN 1:13 PM 3/3/2022

- Review auto scaling group by scrolling down

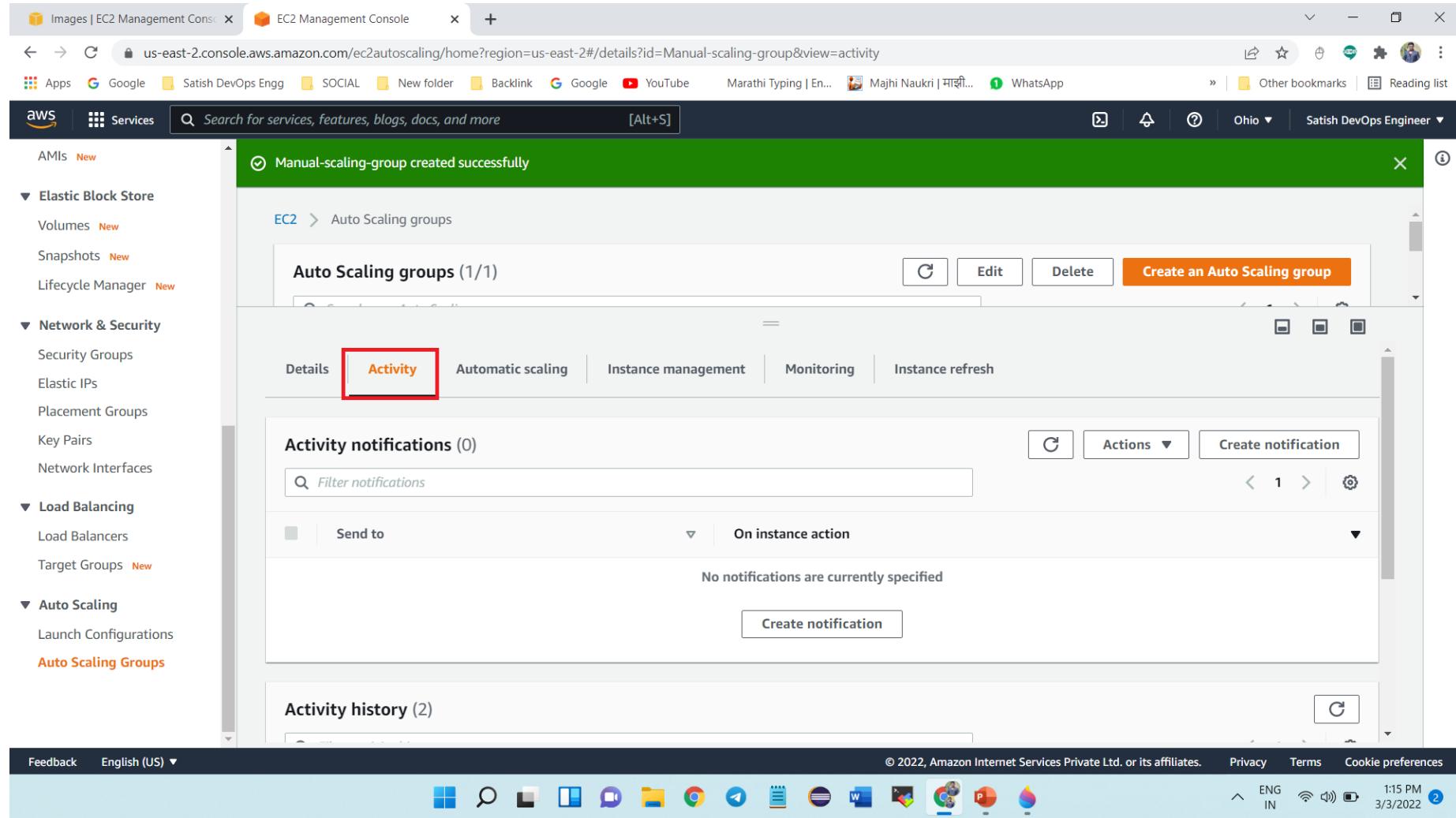
The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create). The left sidebar lists services under 'Services': AMIs, Elastic Block Store (Volumes, Snapshots), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups), and Auto Scaling (Launch Configurations, Auto Scaling Groups). The 'Auto Scaling Groups' item is highlighted in orange. The main content area displays the 'Instance scale-in protection' step, which includes an option to 'Enable instance protection from scale in'. Below it is 'Step 5: Add notifications' with a note 'No notifications' and an 'Edit' button. Further down is 'Step 6: Add tags' with a table titled 'Tags (0)' showing 'No tags' and an 'Edit' button. At the bottom right are 'Cancel' and 'Create Auto Scaling group' buttons, with the latter being redboxed. The footer contains links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons.

- Click on Create Auto Scaling Group

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details). The left sidebar is collapsed, and the main content area displays the 'Auto Scaling groups' page. A green success message at the top states 'Manual-scaling-group created successfully'. Below it, the 'Auto Scaling groups (1)' table lists one group named 'Manual-scaling-g'. The 'Status' column for this group shows 'Updating capacity'. The table includes columns for Name, Launch template/configuration, Instances, Status, Desired capacity, Min, Max, and Available.

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Available
Manual-scaling-g	Launch-configuration-for-manual-s...	0	Updating capacity	2	2	6	us-east-

- Here We can see that our group is created successfully.
- And it is updating capacity because we don't have any instances into that group.



- Select your auto scaling group
- And click on activity

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details?id=Manual-scaling-group&view=activity](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details?id=Manual-scaling-group&view=activity). The left sidebar shows navigation options like AMIs, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. Under Auto Scaling, 'Auto Scaling Groups' is selected. A success message 'Manual-scaling-group created successfully' is displayed at the top. The main area shows 'Auto Scaling groups (1/1)' with a single entry. Below it, the 'Activity history (2)' section lists two entries, both of which are highlighted with a red box:

Status	Description	Cause	Start time
PreInService	Launching a new EC2 instance: i-016201403ef1a3413	At 2022-03-03T07:43:32Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 2. At 2022-03-03T07:43:35Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 2.	2022 March 03, 01:13:37 PM +05:30
PreInService	Launching a new EC2 instance: i-02343fd1dcc93ed0d	At 2022-03-03T07:43:32Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 2. At 2022-03-03T07:43:35Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 2.	2022 March 03, 01:13:37 PM +05:30

At the bottom, there are links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons for ENG IN, battery level, signal strength, and the date/time 1:15 PM 3/3/2022.

- Here we can see that what processes are ongoing with the help of auto scaling group

The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation bar includes links for New EC2 Experience, EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with Instances selected and highlighted in red), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances (New), Dedicated Hosts, Capacity Reservations, Images (AMIs New, AMI Catalog), and Elastic Block Store. The main content area displays a table titled 'Instances (2)'. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability zone. Two rows are listed, both showing the instance state as 'Running'. The first row has an Instance ID of i-02343fd1dcc93ed0d and is of type t2.micro. The second row has an Instance ID of i-016201403ef1a3413 and is also of type t2.micro. Both instances have 2/2 checks passed and no alarms. A red box highlights the first row of the table.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability zone
-	i-02343fd1dcc93ed0d	Running	t2.micro	2/2 checks passed	No alarms	us-east-1
-	i-016201403ef1a3413	Running	t2.micro	2/2 checks passed	No alarms	us-east-1

- Here our 2 instances are created by auto scaling group

The screenshot shows the AWS EC2 Management Console interface. In the top navigation bar, there are three tabs: 'Images | EC2 Management Console', 'EC2 Management Console', and 'Instances | EC2 Management Con...'. The URL in the browser is 'us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:v=3;instanceState=running'. The search bar at the top says 'Search for services, features, blogs, docs, and more'.

The left sidebar menu includes: 'New EC2 Experience' (with a feedback link), 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Tags', 'Limits', 'Instances' (selected), 'Instances New', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances New', 'Dedicated Hosts', 'Capacity Reservations', 'Images' (selected), 'AMIs New', 'AMI Catalog', and 'Elastic Block Store'.

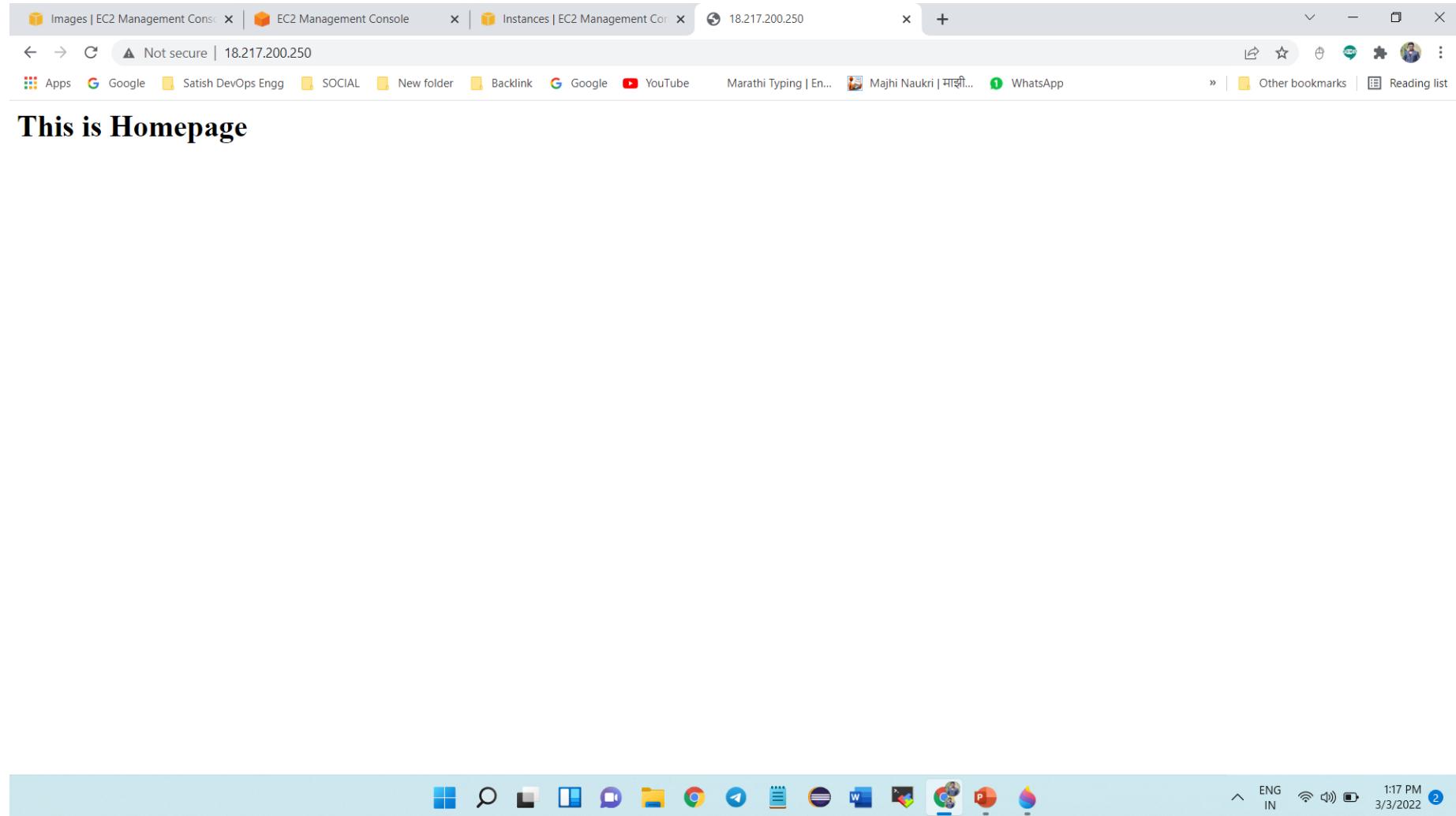
The main content area displays 'Instances (1/2) Info' with a table showing two instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Available
-	i-02343fd1dcc93ed0d	Running	t2.micro	2/2 checks passed	No alarms	us-east-2
-	i-016201403ef1a3413	Running	t2.micro	2/2 checks passed	No alarms	us-east-2

A modal window titled 'Instance: i-02343fd1dcc93ed0d' is open for the first instance. It has tabs for 'Details', 'Security', 'Networking', 'Storage', 'Status checks', 'Monitoring', and 'Tags'. The 'Details' tab is selected. Under 'Instance summary', it shows the Instance ID (i-02343fd1dcc93ed0d), Public IPv4 address (18.217.200.250), and Instance state (Running). A tooltip indicates that the Public IPv4 address has been copied. To the right, it lists Private IPv4 addresses (172.31.9.138), Public IPv4 DNS (ec2-18-217-200-250.us-east-2.compute.amazonaws.com), and another Public IPv4 address (18.217.200.250).

The bottom of the screen shows the footer with links for 'Feedback', 'English (US)', '© 2022, Amazon Internet Services Private Ltd. or its affiliates.', 'Privacy', 'Terms', 'Cookie preferences', and system status indicators for ENG IN, WiFi, battery, and date/time (1:17 PM, 3/3/2022).

- Now select any one instance
- Copy its public ip
- And paste it into browser



- It is working fine

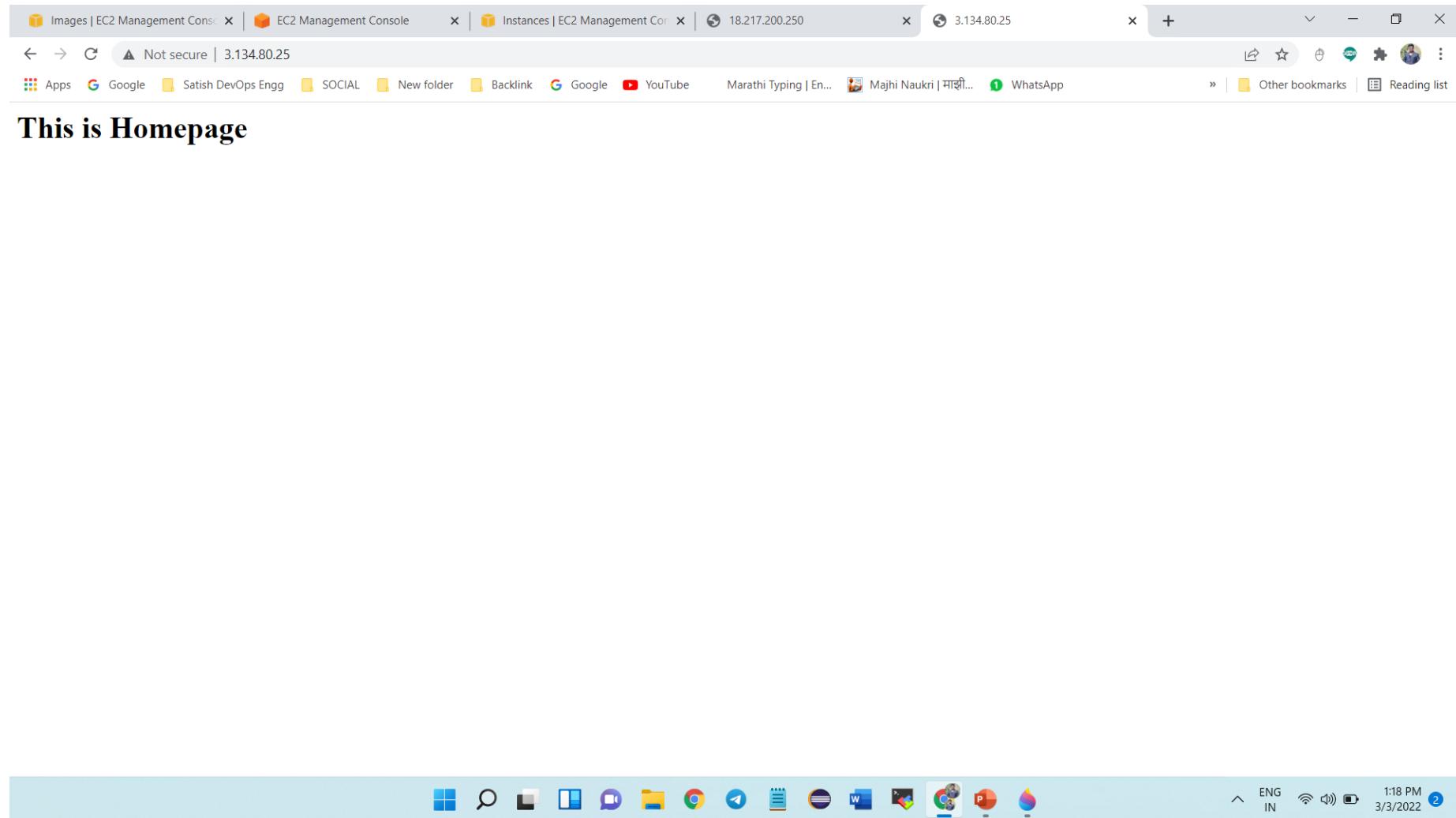
The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation includes 'New EC2 Experience' (selected), 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Tags', 'Limits', 'Instances' (selected), 'Instances New', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances New', 'Dedicated Hosts', 'Capacity Reservations', 'Images' (selected), 'AMIs New', 'AMI Catalog', and 'Elastic Block Store'. The main content area displays 'Instances (1/2)' with two entries:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Available
-	i-02343fd1dcc93ed0d	Running	t2.micro	2/2 checks passed	No alarms	us-east-2
<input checked="" type="checkbox"/>	i-016201403ef1a3413	Running	t2.micro	2/2 checks passed	No alarms	us-east-2

The details for the selected instance (i-016201403ef1a3413) are shown in the 'Details' tab. A tooltip indicates that the Public IPv4 address (3.134.80.25) has been copied.

At the bottom, there are links for 'Feedback', 'English (US)', '© 2022, Amazon Internet Services Private Ltd. or its affiliates.', 'Privacy', 'Terms', 'Cookie preferences', and system status indicators for ENG IN, WiFi, battery, and date/time (1:17 PM 3/3/2022).

- Now select another instance
- Copy its public ip
- And paste it into browser



- It is also working fine

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details?id=Manual-scaling-group&view=activity](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details?id=Manual-scaling-group&view=activity). The left sidebar shows navigation categories like AMIs, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. Under Auto Scaling, 'Auto Scaling Groups' is selected. The main content area displays 'Auto Scaling groups (1/1)'. A table lists one group: 'Manual-scaling-g' with a launch configuration 'Launch-configuration-for-manual-s...'. The 'Edit' button in the top right of the table row is highlighted with a red box. Below the table, there are tabs for Details, Activity (which is active), Automatic scaling, Instance management, Monitoring, and Instance refresh. The Activity section shows 'Activity notifications (0)'.

- Now go to Auto Scaling Group
- Select that auto scaling group
- Click on Edit

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/edit/Manual-scaling-group](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/edit/Manual-scaling-group). The left sidebar is collapsed, and the main content area displays the 'Edit Manual-scaling-group' page. The 'Group size' section is active, showing fields for Desired capacity (set to 2), Minimum capacity (set to 2), and Maximum capacity (set to 6). The 'Launch configuration' section is also visible, with a link to 'Switch to launch template'. The bottom navigation bar includes links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons.

- Change Desired Capacity from 2 to 4

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/edit/Manual-scaling-group](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/edit/Manual-scaling-group). The left sidebar is collapsed, and the main content area displays the 'Edit Manual-scaling-group' page. The 'Group size' section is active, showing fields for Desired capacity (4), Minimum capacity (2), and Maximum capacity (6). The 'Launch configuration' section is also visible. A red box highlights the 'Desired capacity' input field.

- Here you can see that

The screenshot shows the AWS EC2 Management Console interface. The left sidebar lists services: AMIs, Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups), and Auto Scaling (Launch Configurations, Auto Scaling Groups). The main content area displays termination policies (Order: Default), suspended processes (Select suspended processes dropdown), maximum instance lifetime (seconds input field), default cooldown (300 seconds input field), and tags (0). At the bottom right, there are 'Cancel' and 'Update' buttons, with 'Update' being highlighted by a red box.

- Scroll Down and Click on Update

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details?id=Manual-scaling-group&view=details](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details?id=Manual-scaling-group&view=details). The browser tabs include 'Images | EC2 Management Conso', 'EC2 Management Console', 'Instances | EC2 Management Con...', '18.217.200.250', '3.134.80.25', and 'Other bookmarks'. The search bar at the top says 'Search for services, features, blogs, docs, and more [Alt+S]'. The left sidebar shows navigation categories: AMIs, Elastic Block Store (Volumes, Snapshots), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups), and Auto Scaling (Launch Configurations, Auto Scaling Groups). The 'Auto Scaling Groups' section is selected. A success message 'Auto Scaling group updated successfully' is displayed above the table. The table lists one Auto Scaling group named 'Manual-scaling-g' with a launch configuration 'Launch-configuration-for-manual-s...'. The current capacity is 2, and the desired capacity is 4, with a status message 'Updating capacity'. The 'Details' tab is active. In the bottom right corner, there are links for Feedback, English (US), Privacy, Terms, and Cookie preferences, along with system status icons for ENG IN, battery level, signal strength, and the date/time 1:22 PM 3/3/2022.

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Available
Manual-scaling-g	Launch-configuration-for-manual-s...	2	Updating capacity	4	2	6	us-east-2

**Group details**

Desired capacity	Auto Scaling group name
4	Manual-scaling-group
Minimum capacity	Date created
2	Thu Mar 03 2022 13:13:32 GMT+0530 (India Standard Time)

- Here we can see that auto scaling group again updating capacity as our desired capacity is increasing from 2 to 4

The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation includes 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances' (selected), 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images' (selected), 'AMIs', and 'Elastic Block Store'. The main content area displays a table titled 'Instances (4)'. The table columns are: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability. The table shows the following data:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
-	i-02343fd1dcc93ed0d	Running	t2.micro	2/2 checks passed	No alarms	us-east-1
-	i-030d227661100b027	Pending	t2.micro	-	No alarms	us-east-1
-	i-016201403ef1a3413	Running	t2.micro	2/2 checks passed	No alarms	us-east-1
-	i-05d473879f33b3a2d	Pending	t2.micro	-	No alarms	us-east-1

A modal window titled 'Select an instance' is overlaid on the table, indicating that an instance is being selected for further action.

- Here we can see that 2 more instances are added

The screenshot shows the AWS EC2 Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, and Capacity Reservations), Images (AMIs, AMI Catalog), and Elastic Block Store. The main content area is titled 'Instances (4) Info' and displays a table of four instances. The table columns include Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability zone. All four instances are listed as 'Running'. The 'Status check' column shows '2/2 checks passed' for all. The 'Alarm status' column shows 'No alarms' for all. The 'Availability zone' column shows 'us-east-1a' for all. There are filters at the top of the table: 'Instance state = shutting-down' and 'Instance state = running'. A 'Clear filters' button is also present. Below the table, a modal window titled 'Select an instance' is open, showing a list of instances for selection.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability zone
-	i-02343fd1dcc93ed0d	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a
-	i-030d227661100b027	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a
-	i-016201403ef1a3413	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a
-	i-05d473879f33b3a2d	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a

- All 4 instances are running

The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation includes 'AMIs', 'Elastic Block Store' (with 'Volumes', 'Snapshots', and 'Lifecycle Manager'), 'Network & Security' (with 'Security Groups', 'Elastic IPs', 'Placement Groups', 'Key Pairs', and 'Network Interfaces'), 'Load Balancing' (with 'Load Balancers' and 'Target Groups'), and 'Auto Scaling' (with 'Launch Configurations' and 'Auto Scaling Groups'). The 'Auto Scaling Groups' option is selected and highlighted in orange. The main content area displays 'Auto Scaling groups (1/1)' with a single entry: 'Manual-scaling-g'. The 'Edit' button for this group is highlighted with a red box. Below the table, there are tabs for 'Details', 'Activity', 'Automatic scaling', 'Instance management', 'Monitoring', and 'Instance refresh'. The 'Group details' section shows the following information:

Desired capacity	Auto Scaling group name
4	Manual-scaling-group
Minimum capacity	Date created
2	Thu Mar 03 2022 13:13:32 GMT+0530 (India Standard Time)

At the bottom of the page, there are links for 'Feedback', 'English (US)', 'Privacy', 'Terms', and 'Cookie preferences'. The status bar at the bottom right shows 'ENG IN', '1:51 PM 3/3/2022', and a battery icon.

- Now go to auto scaling
- Click on edit

The screenshot shows the AWS EC2 Management Console with the URL [us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/edit/Manual-scaling-group](https://us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/edit/Manual-scaling-group). The left sidebar is collapsed, and the main content area displays the 'Edit Manual-scaling-group' page. The 'Desired capacity' input field is highlighted with a red border and contains the value '4'. The 'Minimum capacity' field contains '2' and the 'Maximum capacity' field contains '6'. The 'Launch configuration' section is visible below.

- Change your desired capacity

The screenshot shows the AWS EC2 Management Console with the following details:

- Address Bar:** `us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/edit/Manual-scaling-group`
- Sidebar (Services):**
  - AMIs
  - Elastic Block Store
    - Volumes
    - Snapshots
    - Lifecycle Manager
  - Network & Security
    - Security Groups
    - Elastic IPs
    - Placement Groups
    - Key Pairs
    - Network Interfaces
  - Load Balancing
    - Load Balancers
    - Target Groups
  - Auto Scaling
    - Launch Configurations
    - Auto Scaling Groups**
- Breadcrumbs:** EC2 > Auto Scaling groups > Manual-scaling-group
- Section:** Edit Manual-scaling-group
- Group size:** Desired capacity  Minimum capacity  Maximum capacity
- Launch configuration:** Choose a launch configuration that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.
- Footer:** Feedback, English (US), © 2022, Amazon Internet Services Private Ltd. or its affiliates., Privacy, Terms, Cookie preferences, ENG IN, 1:52 PM, 3/3/2022, 2 notifications.

- From 4 to 3
- Scroll down

The screenshot shows the AWS EC2 Management Console interface. The left sidebar lists services: AMIs, Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups), and Auto Scaling (Launch Configurations, Auto Scaling Groups). The main content area displays termination policies (Order: Default), suspended processes (Select suspended processes dropdown), maximum instance lifetime (seconds input field), default cooldown (300 seconds input field), and tags (0). At the bottom right, there are 'Cancel' and 'Update' buttons, with 'Update' being highlighted by a red box.

- Click on update

Images | EC2 Management Console x EC2 Management Console x Instances | EC2 Management Con... | 18.217.200.250 x 3.134.80.25 x

us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/details?id=Manual-scaling-group&view=details

Apps Google SOCIAL New folder Backlink Google YouTube Marathi Typing | En... Majhi Naukri | माझी... WhatsApp Other bookmarks Reading list

Services Search for services, features, blogs, docs, and more [Alt+S]

AMIs New

Elastic Block Store Volumes New Snapshots New Lifecycle Manager New

Network & Security Security Groups Elastic IPs Placement Groups Key Pairs Network Interfaces

Load Balancing Load Balancers Target Groups New

Auto Scaling Launch Configurations Auto Scaling Groups

Auto Scaling group updated successfully

EC2 > Auto Scaling groups

Auto Scaling groups (1/1)

C Edit Delete Create an Auto Scaling group

Search your Auto Scaling groups

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Available
Manual-scaling-g	Launch-configuration-for-manual-s...	4	-	3	2	6	us-ea

Details Activity Automatic scaling Instance management Monitoring Instance refresh

Group details

Desired capacity: 3 Auto Scaling group name: Manual-scaling-group

Minimum capacity: 2 Date created: Thu Mar 03 2022 13:13:32 GMT+0530 (India Standard Time)

Feedback English (US) © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences ENG IN 1:53 PM 3/3/2022 2

The screenshot shows the AWS EC2 Management Console interface. A success message 'Auto Scaling group updated successfully' is displayed at the top. The left sidebar shows navigation categories like AMIs, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. Under Auto Scaling, 'Auto Scaling Groups' is selected. The main content area displays the 'Auto Scaling groups' table with one entry: 'Manual-scaling-g' with a status of '4 instances'. Below the table, the 'Group details' section shows settings like desired capacity (3), minimum capacity (2), and auto scaling group name (Manual-scaling-group). The bottom navigation bar includes links for Feedback, English (US), privacy, terms, and cookie preferences, along with system status indicators.

The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation includes 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances' (selected), 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images' (selected), 'AMIs', and 'Elastic Block Store'. The main content area displays a table titled 'Instances (4)'. The table has columns for 'Name', 'Instance ID', 'Instance state', 'Instance type', 'Status check', 'Alarm status', and 'Available'. The first row, which has a red border around it, shows the instance ID 'i-02343fd1dcc93ed0d' and the state 'Shutting-down'. The other three instances are listed as 'Running'. A modal window titled 'Select an instance' is open at the bottom, containing the text 'Select an instance'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Available
-	i-02343fd1dcc93ed0d	Shutting-down	t2.micro	-	No alarms	us-east-2
-	i-030d227661100b027	Running	t2.micro	2/2 checks passed	No alarms	us-east-2
-	i-016201403ef1a3413	Running	t2.micro	2/2 checks passed	No alarms	us-east-2
-	i-05d473879f33b3a2d	Running	t2.micro	2/2 checks passed	No alarms	us-east-2

- Now we can see that our one instance is terminating

The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation includes 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances' (selected), 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images' (selected), 'AMIs', and 'AMI Catalog'. The main content area displays a table of instances with the following data:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Available
-	i-02343fd1dcc93ed0d	Terminated	t2.micro	-	No alarms	us-east-2
-	i-030d227661100b027	Running	t2.micro	2/2 checks passed	No alarms	us-east-2
-	i-016201403ef1a3413	Running	t2.micro	2/2 checks passed	No alarms	us-east-2
-	i-05d473879f33b3a2d	Running	t2.micro	2/2 checks passed	No alarms	us-east-2

A modal window titled 'Select an instance' is open at the bottom, containing a single instruction: 'Select an instance'.

At the bottom of the screen, there is a toolbar with various icons and a status bar showing 'ENG IN', '1:54 PM 3/3/2022', and a battery icon.

- And it is terminated

The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation includes 'New EC2 Experience' (selected), 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances' (selected), 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances' (New), 'Dedicated Hosts', 'Capacity Reservations', 'Images' (AMIs New, AMI Catalog), and 'Elastic Block Store'. The main content area displays 'Instances (3) Info' with a table showing three running t2.micro instances. The table columns are Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability. The instances listed are i-030d227661100b027, i-016201403ef1a3413, and i-05d473879f33b3a2d, all in the 'Running' state. A modal window titled 'Select an instance' is open at the bottom center. The browser's address bar shows 'us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:v=3;instanceState=shutting-down,running'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
-	i-030d227661100b027	Running	t2.micro	2/2 checks passed	-	us-east-2
-	i-016201403ef1a3413	Running	t2.micro	2/2 checks passed	-	us-east-2
-	i-05d473879f33b3a2d	Running	t2.micro	2/2 checks passed	-	us-east-2

- Now we have only 3 running instances

The screenshot shows the AWS EC2 Management Console interface. The left sidebar navigation includes categories like AMIs, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. Under Auto Scaling, 'Auto Scaling Groups' is selected, highlighted in orange. The main content area displays the 'Auto Scaling groups (1/1)' section. A table lists one group: 'Manual-scaling-g'. The table columns include Name, Launch template/configuration, Instances, Status, Desired capacity, Min, Max, and Available. The 'Manual-scaling-g' row is selected, showing a launch configuration named 'Launch-configuration-for-manual-s...'. Below the table, tabs for Details, Activity, Automatic scaling, Instance management, Monitoring, and Instance refresh are visible. The 'Group details' section provides specific information: Desired capacity (3), Auto Scaling group name (Manual-scaling-group), Minimum capacity (2), and Date created (Thu Mar 03 2022 13:13:32 GMT+0530 (India Standard Time)).

- Because our Desired Capacity is 3 only

- So here we have seen that in Manual Scaling Group by changing desired capacity we can increase or decrease the instances manually.

**Thanks for ding practical with us**