

## 1) Creating RDS- MySQL DB

The screenshot shows the AWS RDS Management Console. The left sidebar is titled "Amazon RDS" and includes links for Dashboard, Databases (which is selected), Query Editor, Performance insights, Snapshots, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, and Custom engine versions. The main content area is titled "Databases" and contains a "Create database" button, a search bar, and a table header with columns for DB identifier, Role, Engine, and Status. The URL in the browser is [us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#databases](https://us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#databases).

Select standard create, mysql

The screenshot shows the "Create database" page. At the top, there's a section titled "Choose a database creation method" with two options: "Standard create" (selected) and "Easy create". Below this is an "Engine options" section where "MySQL" is selected (indicated by a blue outline). Other options shown are "Amazon Aurora" and "MariaDB". The URL in the browser is [us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:gdb=false;s3-im...](https://us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:gdb=false;s3-im...).

Choose free tier

The screenshot shows the AWS RDS Management Console with the URL [us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:gdb=false;s3-im...](https://us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:gdb=false;s3-im...). The page is titled "Launch DB instance".

**Version:** MySQL 8.0.28

**Templates:**

- Production:** Use defaults for high availability and fast, consistent performance.
- Dev/Test:** This instance is intended for development use outside of a production environment.
- Free tier:** Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS. [Info](#)

**Availability and durability:**

**Deployment options:** [Info](#)

The deployment options below are limited to those supported by the engine you selected above.

- Multi-AZ DB Cluster - new  
Creates a DB cluster with a primary DB instance and two readable standby DB instances, with each DB instance in a different Availability Zone (AZ). Provides high availability, data redundancy and increases capacity to serve read workloads.
- Multi-AZ DB instance (not supported for Multi-AZ DB cluster snapshot)  
Creates a primary DB instance and a standby DB instance in a different AZ. Provides high availability and data redundancy, but...

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## Provide password and DB name

The screenshot shows the AWS RDS Management Console with the URL [us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:gdb=false;s3-im...](https://us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:gdb=false;s3-im...). The page is titled "Provide password and DB name".

**DB instance identifier:** [Info](#)

Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.

mydatabase

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

**Credentials Settings:**

**Master username:** [Info](#)

Type a login ID for the master user of your DB instance.

admin

1 to 16 alphanumeric characters. First character must be a letter.

**Auto generate a password**  
Amazon RDS can generate a password for you, or you can specify your own password.

**Master password:** [Info](#)

.....  
Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), ' (single quote), " (double quote) and @ (at sign).

**Confirm password:** [Info](#)

.....

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Choose t2.micro

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## DB instance class

DB instance class [Info](#)

Standard classes (includes m classes)

Memory optimized classes (includes r and x classes)

Burstable classes (includes t classes)

db.t2.micro  
1 vCPUs 1 GiB RAM Not EBS Optimized

Include previous generation classes

## Storage

Storage type [Info](#)

General Purpose SSD (gp2)  
Baseline performance determined by volume size

Allocated storage  
20 GiB  
(Minimum: 20 GiB. Maximum: 16,384 GiB) Higher allocated storage [may improve IOPS performance](#).

Storage autoscaling [Info](#)

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## Connectivity

Virtual private cloud (VPC) [Info](#)  
VPC that defines the virtual networking environment for this DB instance.

Default VPC (vpc-0aeb3ac2158169520)

Only VPCs with a corresponding DB subnet group are listed.

ⓘ After a database is created, you can't change its VPC.

Subnet group [Info](#)  
DB subnet group that defines which subnets and IP ranges the DB instance can use in the VPC you selected.

default

Public access [Info](#)

Yes  
Amazon EC2 instances and devices outside the VPC can connect to your database. Choose one or more VPC security groups that specify which EC2 instances and devices inside the VPC can connect to the database.

No  
RDS will not assign a public IP address to the database. Only Amazon EC2 instances and devices inside the VPC can connect to your database.

VPC security group  
Choose a VPC security group to allow access to your database. Ensure that the security group rules allow the appropriate

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The screenshot shows the AWS RDS Management Console interface. In the top navigation bar, there are tabs for "Google Docs: Free Online D", "Untitled document - Google", "RDS Management Console", "Assessment", and "Guest". The main content area is titled "Database authentication". It contains three options: "Password authentication" (selected), "Password and IAM database authentication", and "Password and Kerberos authentication". Below this, there is a section titled "Additional configuration" with a note about database options like backup enabled, backtrack disabled, Enhanced Monitoring disabled, maintenance, CloudWatch Logs, and delete protection. A "Database options" section includes a field for the "Initial database name" with a placeholder and a note that if no name is specified, Amazon RDS does not create a database. At the bottom of the page, there are links for "Feedback", "© 2022, Amazon Internet Services Private Ltd. or its affiliates.", "Privacy", "Terms", and "Cookie preferences".

## Click create database

The screenshot shows the continuation of the AWS RDS Management Console setup. It includes sections for "Deletion protection" (with an unchecked checkbox for "Enable deletion protection" which protects the database from accidental deletion) and "Estimated monthly costs". The "Estimated monthly costs" section notes that the Amazon RDS Free Tier is available for 12 months and lists free resources: 750 hrs of Amazon RDS in a Single-AZ db.t2.micro Instance, 20 GB of General Purpose Storage (SSD), and 20 GB for automated backup storage and any user-initiated DB Snapshots. It also links to "Learn more about AWS Free Tier". A note in a blue box states: "You are responsible for ensuring that you have all of the necessary rights for any third-party products or services that you use with AWS services." At the bottom, there are "Cancel" and "Create database" buttons.

## 2) EC2 Instance creation:

The screenshot shows the AWS EC2 Instances page. On the left, a sidebar titled 'New EC2 Experience' lists various EC2-related options like EC2 Dashboard, Global View, Events, Tags, Limits, and Instances. Under Instances, 'Instances New' is selected, showing links for Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, and Capacity Reservations. The main content area is titled 'Instances Info' and shows a search bar with 'Instance state = running'. A message 'No matching instances found' is displayed. At the bottom right of the main area is a button labeled 'Select an instance'.

## Choose linux image

The screenshot shows the 'Launch instance wizard | EC2' interface. A message at the top states: 'We are replacing this launch experience with a new launch experience, which we will continue to improve based on your feedback. Opt-in to the new experience by selecting the button on the right and give us feedback. For now you can still opt out once you have tried it.' A blue button 'Opt-in to the new experience' is visible. Below this, a navigation bar shows steps 1 through 7. Step 1, 'Choose AMI', is highlighted. The main content area is titled 'Step 1: Choose an Amazon Machine Image (AMI)'. It features a search bar 'Search for an AMI by entering a search term e.g. "Windows"' and a 'Quick Start' section. The 'Amazon Linux' entry is selected, showing its details: 'Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type - ami-03edeff12e34e59e' (64-bit x86) / ami-0482730ee38e3f893 (64-bit Arm). It describes Amazon Linux 2 as a five-year supported AMI with specific kernel and software details. Two radio buttons for architecture are shown: '64-bit (x86)' (selected) and '64-bit (Arm)'. Other AMIs listed include 'My AMIs', 'AWS Marketplace', and 'Community AMIs'. A checkbox 'Free tier only' is checked. At the bottom right of the wizard is a 'Cancel and Exit' button.

## Choose t2.micro instance type

**Step 2: Choose an Instance Type**

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Currently selected: t2.micro (~ ECUs, 1 vCPUs, 2.5 GHz, ~ 1 GiB memory, EBS only)								
	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	<b>t2.micro</b> Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Instance Details](#)

**Step 3: Configure Instance Details**

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances	<input type="text" value="1"/> Launch into Auto Scaling Group
Purchasing option	<input type="checkbox"/> Request Spot instances
Network	<input type="text" value="vpc-0aeb3ac2158169520 (default)"/> <a href="#">Create new VPC</a>
Subnet	<input type="text" value="No preference (default subnet in any Availability Zone)"/> <a href="#">Create new subnet</a>
Auto-assign Public IP	<input type="checkbox"/> Use subnet setting (Enable)
Hostname type	<input type="text" value="Use subnet setting (IP name)"/>
DNS Hostname	<input type="checkbox"/> Enable IP name IPv4 (A record) DNS requests <input checked="" type="checkbox"/> Enable resource-based IPv4 (A record) DNS requests <input type="checkbox"/> Enable resource-based IPv6 (AAAA record) DNS requests

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

The screenshot shows the AWS Launch Instance Wizard at Step 3: Configure Instance Details. The page title is "Step 3: Configure Instance Details". Below it, there's a section titled "File systems" with a button to "Add file system" and a link to "Create new file system". A "Advanced Details" section is expanded, showing configuration for Enclave, Metadata accessible, Metadata version, Metadata token response hop limit, Allow tags in metadata, and User data. The User data field is set to "As text". At the bottom are buttons for "Cancel", "Previous", "Review and Launch" (which is highlighted in blue), and "Next: Add Storage".

## Choose general purpose SSD storage

The screenshot shows the AWS Launch Instance Wizard at Step 4: Add Storage. The page title is "Step 4: Add Storage". It states: "Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2." Below this is a table for adding storage volumes:

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/xvda	snap-03c8342473942ea21	8	General Purpose S	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Below the table is a note: "Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions." At the bottom are buttons for "Cancel", "Previous", "Review and Launch" (highlighted in blue), and "Next: Add Tags".

## Add tags

**Step 5: Add Tags**

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.

A copy of a tag can be applied to volumes, instances or both.

Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key	(128 characters maximum)	Value	(256 characters maximum)	Instances	Volumes	Network Interfaces
name		first_ec2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Add another tag** (Up to 50 tags maximum)

**Cancel** **Previous** **Review and Launch** **Next: Configure Security Group**

## Add SSH rule for linux ec2 instance access and MySQL for DB access

**Step 6: Configure Security Group**

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

**Assign a security group:**  Create a **new** security group  
 Select an **existing** security group

**Security group name:** EC2toMySQL-SG  
**Description:** launch-wizard-1 created 2022-04-15T19:32:23.573+05:30

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
MySQL/Aurora	TCP	3306	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

**Add Rule**

**Warning**

**Cancel** **Previous** **Review and Launch**

Screenshot of the AWS Launch Instance Wizard Step 7: Review Instance Launch.

**Instance Configuration:**

t2.micro	-	1	1	EBS only	-	Low to Moderate
----------	---	---	---	----------	---	-----------------

**Security Groups:** EC2toMySQL-SG (created 2022-04-15T19:32:23.573+05:30)

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	0.0.0.0/0	
MYSQL/Aurora	TCP	3306	0.0.0.0/0	

**Links:** Edit security groups, Edit instance details, Edit storage, Edit tags.

**Buttons:** Cancel, Previous, Launch.

## Create a new key pair for security/access.

Screenshot of the AWS Launch Instance Wizard Step 7: Create a new key pair for security/access.

**Key Pair Configuration:**

- Type: RSA
- Key pair name: ec2keypair

**Note:** You have to download the private key file (\*.pem) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.

**Buttons:** Cancel, Launch Instances.

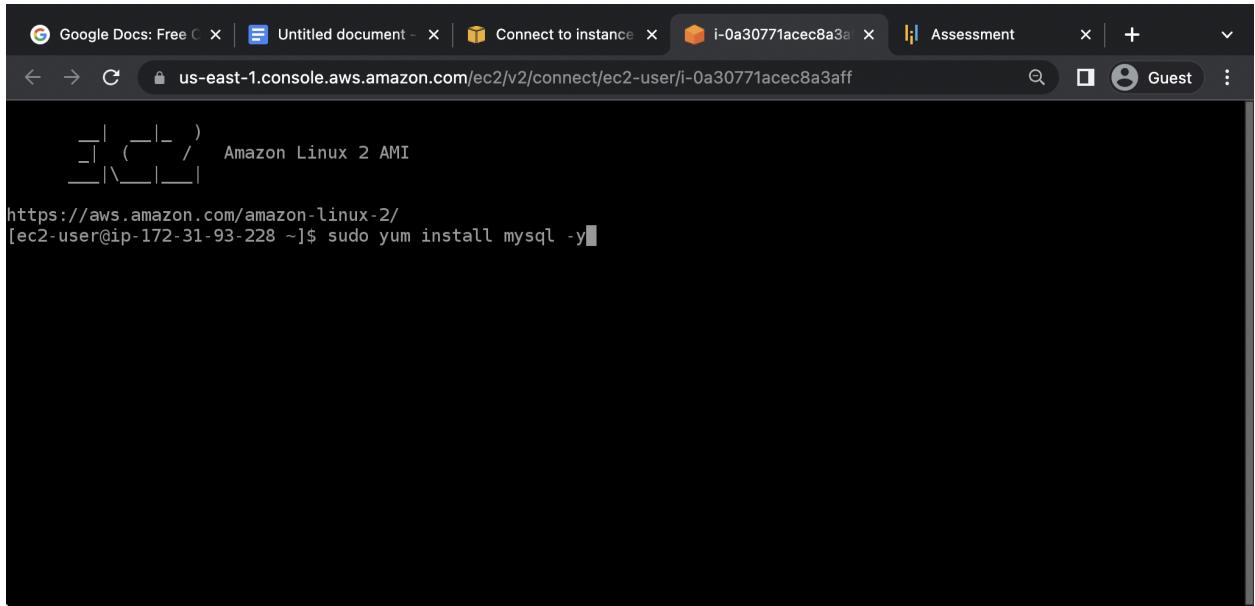
**File Download Confirmation:** ec2keypair.pem

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with links like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and Instances. Under Instances, there are links for Instances (New), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances (New), Dedicated Hosts, and Scheduled Instances. A feedback link is also present. The main content area displays a table titled 'Instances (1/1)'. It shows one instance named 'ec2-instance' with Instance ID 'i-0a30771acec8a3aff', which is 'Running' and of type 't2.micro'. The Public IPv4 address is 44.202.239.213 and the Private IP4 address is 172.31.93.228. The Public IPv4 DNS is ec2-44-202-239-213.compute-1.amazonaws.com. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, and Alarms. At the bottom right of the table, there's a 'Launch instances' button.

Connect to ec2 instance using EC2 instance connect:

The screenshot shows the 'Connect to instance | EC2 M...' page. At the top, it says 'EC2 Instance Connect' and has tabs for Session Manager, SSH client, and EC2 Serial Console. The 'EC2 Instance Connect' tab is active. It shows the Instance ID 'i-0a30771acec8a3aff' and the Public IP address '44.202.239.213'. The User name field contains 'ec2-user'. Below the user name field is a note: 'Connect using a custom user name, or use the default user name ec2-user for the AMI used to launch the instance.' A callout box contains the note: 'Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.' At the bottom right are 'Cancel' and 'Connect' buttons. The URL at the bottom is https://us-east-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0a30771acec8a3aff

Type command to install MySQL on ec2



Google Docs: Free C X | Untitled document - X | Connect to instance X | i-0a30771acec8a3aff X | Assessment X | + | Guest

← → C 🔒 us-east-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0a30771acec8a3aff

Amazon Linux 2 AMI

```
https://aws.amazon.com/amazon-linux-2/  
[ec2-user@ip-172-31-93-228 ~]$ sudo yum install mysql -y
```

i-0a30771acec8a3aff (ec2-instance)

Public IPs: 44.202.239.213 Private IPs: 172.31.93.228

ec2keypair.pem

Show all X

update inbound rule, select source as EC2toMySQLSG for RDS

Type command to connect to RDS instance from ec2

The screenshot shows a browser window with the URL <https://us-east-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0a30771acec8a3aff>. The tab bar includes 'Google Doc', 'Untitled do', 'EC2 Manag', 'RDS Manag', 'Connect to', 'i-0a30771a', 'Assessmen', and a 'Guest' option. The main content area displays a terminal session:

```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-93-228 ~]$ mysql -h mydatabase.c4hrqiudbxif.us-east-1.rds.amazonaws.com -u admin -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MySQL connection id is 22
Server version: 8.0.28 Source distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> show users;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'users' at line 1
MySQL [(none)]> show databases;
+-----+
| Database      |
+-----+
| information_schema |
| mysql          |
| performance_schema |
| sys            |
+-----+
4 rows in set (0.01 sec)

MySQL [(none)]>
```

i-0a30771acec8a3aff (ec2-instance)

Public IPs: 44.202.239.213 Private IPs: 172.31.93.228

- 3) Create Autoscaling group:  
Create launch configuration

The screenshot shows the AWS EC2 Management Console with the URL [us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchConfigurations:launchCo...](https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchConfigurations:launchCo...). The page title is "Launch configurations (0)". On the left, there's a sidebar with "Instances" expanded, showing options like Instances, Instance Types, Launch Templates, and Reserved Instances. The main content area displays a table header for "Launch configurations" with columns: Name, AMI ID, Instance type, and Spot price. A message says "No launch configurations found in this region." with a "Create launch configuration" button below it. At the bottom, there's a note "Select a a launch configuration above".

## Select AMI

The screenshot shows the "Create launch configuration" page with the URL [us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#CreateLaunchConfiguration:...](https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#CreateLaunchConfiguration:...). It has three main sections: "Launch configuration name" (Name: test-launch-config), "Amazon machine image (AMI)" (AMI: amzn2-ami-kernel-5.10-hvm-2.0.20220406.1-x86\_64-gp2), and "Instance type" (Instance type: Choose instance type). The footer includes standard links: Feedback, © 2022, Amazon Internet Services Private Ltd. or its affiliates., Privacy, Terms, and Cookie preferences.

Choose t2.micro instance type

**Instance type** [Info](#)

Instance type  
t2.micro (1 vCPUs, 1 GiB, EBS Only) [Choose instance type](#)

**Additional configuration - optional**

Purchasing option [Info](#)  
 Request Spot Instances

IAM instance profile [Info](#)

Monitoring [Info](#)  
 Enable EC2 instance detailed monitoring within CloudWatch

EBS-optimized instance  
 Launch as EBS-optimized instance

[Advanced details](#)

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## Choose keypair

+ Add new rule

⚠ 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.

**Key pair (login)** [Info](#)

Key pair options

Existing key pair

I acknowledge that I have access to the selected private key file (ec2keypair.pem), and that without this file, I won't be able to log into my instance.

Cancel [Create launch configuration](#)

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## Create Auto Scaling Group

The screenshot shows the AWS EC2 Auto Scaling home page. The main title is "Amazon EC2 Auto Scaling" with the subtitle "helps maintain the availability of your applications". Below this, a text block explains that Auto Scaling groups are collections of Amazon EC2 instances that enable automatic scaling and fleet management features. To the right, there is a callout box titled "Create Auto Scaling group" with the sub-instruction "Get started with EC2 Auto Scaling by creating an Auto Scaling group." A prominent orange "Create Auto Scaling group" button is at the bottom of this box.

The screenshot shows the "Create Auto Scaling group" wizard, Step 4 (optional). The left sidebar lists steps: Step 4 (optional) Configure group size and scaling policies; Step 5 (optional) Add notifications; Step 6 (optional) Add tags; Step 7 Review. The main area shows a form for entering a group name, with "testASG" typed in. A note below says "Must be unique to this account in the current Region and no more than 255 characters." To the right, the "Launch configuration" section is shown, containing a table with the following data:

Launch configuration	Info	Switch to launch template
test-launch-config	AMI ID ami-03edeff12e34e59e	Date created Fri Apr 15 2022 20:27:25 GMT+0530 (India Standard Time)
Security groups <a href="#">sg-093a1651ea7d542fb</a>	Instance type t2.micro	Key pair name ec2keypair

At the bottom are "Cancel" and "Next" buttons.

Select options

The screenshot shows the AWS EC2 Management console with the URL [us-east-1.console.aws.amazon.com/ec2autoscaling/home?region=us-east-1#/create](https://us-east-1.console.aws.amazon.com/ec2autoscaling/home?region=us-east-1#/create). The page is titled "Step 2: Choose instance launch options". On the left, a sidebar lists optional steps: 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, and Step 7 Review. The main content area is titled "Network" and contains the following information:

**VPC**  
Choose the VPC that defines the virtual network for your Auto Scaling group.  
vpc-0aeb3ac2158169520  
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  
us-east-1a | subnet-0a3796734390d9d67 X  
172.31.32.0/20 Default

**Create a subnet**

At the bottom are "Cancel", "Previous", "Skip to review", and "Next" buttons.

The screenshot shows the AWS EC2 Management console with the same URL as the previous screenshot. The sidebar now includes "Add notifications" and "Step 7 Review". The main content area is titled "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

**Additional settings - optional**

**Monitoring** Info  
 Enable group metrics collection within CloudWatch

At the bottom are "Cancel", "Previous", "Skip to review", and "Next" buttons.

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Choose group size

The screenshot shows the AWS Auto Scaling configuration interface. On the left, a sidebar lists 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 (which is selected and expanded), Step 5 (optional) Add notifications, Step 6 (optional) Add tags, and Step 7 (Review). The main content area is titled "Configure group size and scaling policies". It contains a section for "Group size - optional" where users can specify desired, minimum, and maximum capacity. The "Desired capacity" is set to 2, "Minimum capacity" is 1, and "Maximum capacity" is 5. Below this is a section for "Scaling policies - optional" which is currently empty.

## Select scaling policy

The screenshot shows the "Select scaling policy" step. The sidebar now shows Step 1 through Step 7, with Step 7 (Review) selected. The main content area is titled "Scaling policies - optional". It asks if a scaling policy should be used to resize the group. Two options are shown: "Target tracking scaling policy" (selected) and "None". Under "Target tracking scaling policy", there are fields for "Scaling policy name" (set to "Target Tracking Policy"), "Metric type" (set to "Average CPU utilization"), "Target value" (set to 90), and "Instances need" (set to 60 seconds warm up before including in metric).

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Add tags Info

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.

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

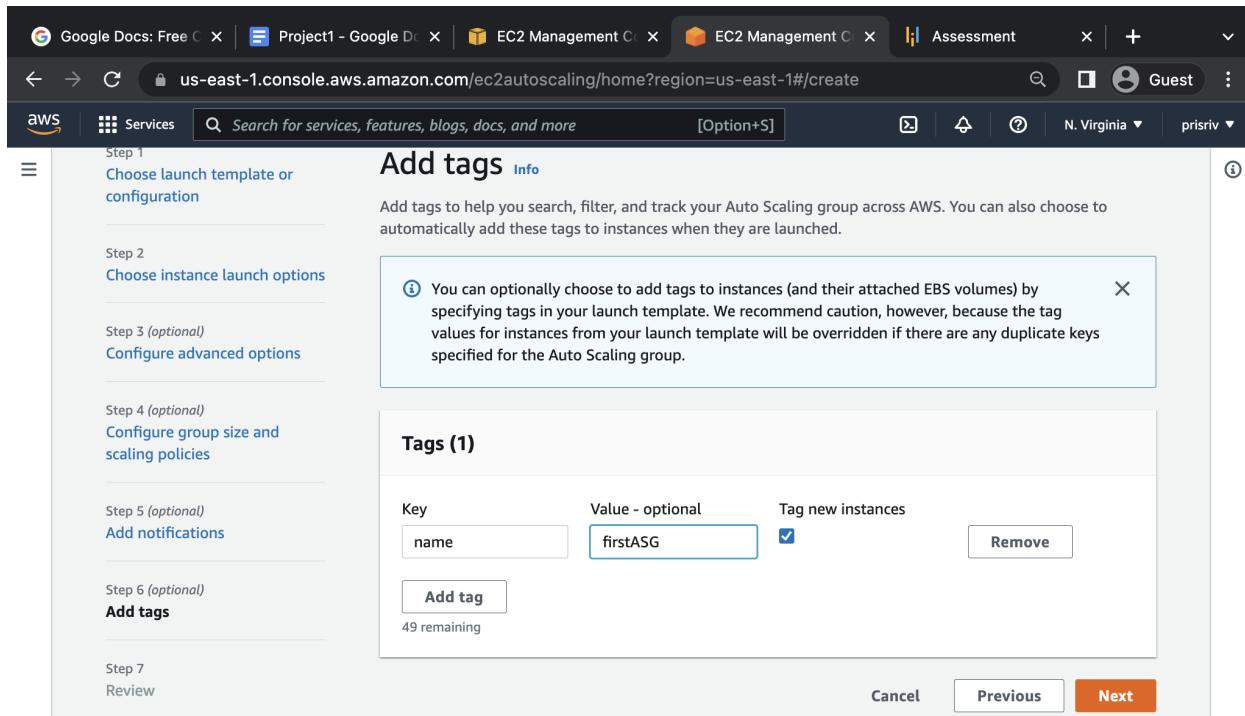
**Tags (1)**

Key	Value - optional	Tag new instances
name	firstASG	<input checked="" type="checkbox"/>

**Add tag**

49 remaining

Cancel Previous Next



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Enable instance protection from scale in

Step 5: Add notifications Edit

**Notifications**

No notifications

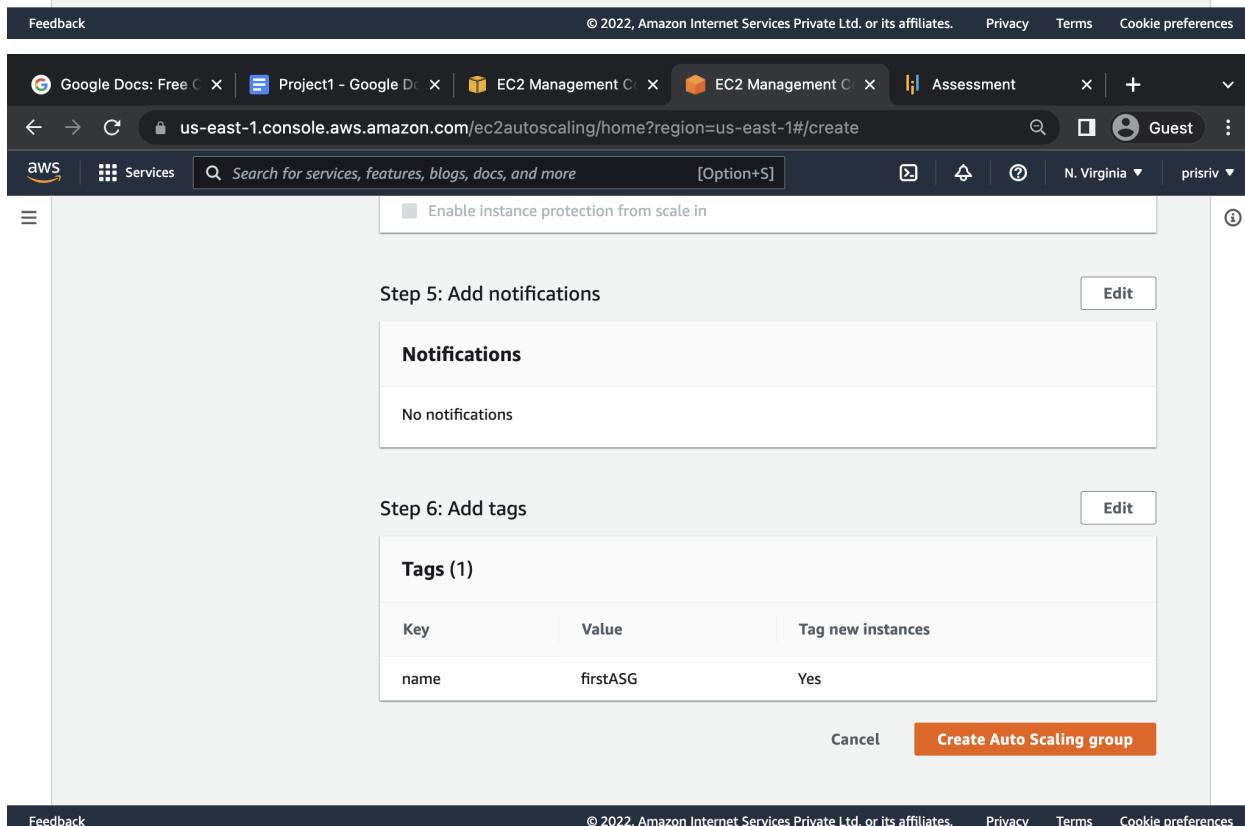
Step 6: Add tags Edit

**Tags (1)**

Key	Value	Tag new instances
name	firstASG	Yes

Cancel Create Auto Scaling group

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The screenshot shows the AWS EC2 Management console with the URL [us-east-1.console.aws.amazon.com/ec2autoscaling/home?region=us-east-1#/details](https://us-east-1.console.aws.amazon.com/ec2autoscaling/home?region=us-east-1#/details). The interface includes a sidebar with links like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, and Auto Scaling groups. A prominent green banner at the top right indicates "testASG, 1 Scaling policy created successfully". The main content area displays the "Auto Scaling groups (1)" section with a table showing one entry: "testASG" with "test-launch-config", "0" instances, and "Updating capacity".

## Auto scaling group created successfully

The screenshot shows the AWS EC2 Management console with the URL [us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances](https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances). The sidebar includes links for Instances, AMIs, and Images. The main content shows the "Instances (1/3)" section with a table listing three instances: "ec2-instance" (running, t2.micro), an unnamed instance (running, t2.micro), and another unnamed instance (running, t2.micro). The details for the third instance are expanded, showing its tags: "name: firstASG" and "aws:autoscaling:groupName: testASG".