

Creating Auto Scaling Group and Application Load Balancer in AWS:

Create an Application Load Balancer

The screenshot shows the AWS EC2 Management Console dashboard. The left sidebar includes links for EC2 Dashboard, Instances, Images, and Elastic Block Store. The main area displays resource counts: Instances (running) 0, Auto Scaling Groups 0, Dedicated Hosts 0, Elastic IPs 0, Instances 0, Key pairs 3, Load balancers 0, Placement groups 0, Security groups 1, Snapshots 0, and Volumes 0. A central box for launching instances is present. The right sidebar shows account attributes like Default VPC (vpc-0b76d4c1f5eb96f27), Settings, EBS encryption, Zones, EC2 Serial Console, Default credit specification, and Console experiments. The bottom status bar shows the URL https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:, the date © 2023, Amazon Web Services India Private Limited or its affiliates., Privacy, Terms, Cookie preferences, and system information (21°C Haze, 10:39 AM, 3/17/2023).

Click on Load balancers

Screenshot of the AWS EC2 Load Balancers management console.

The left sidebar shows the navigation menu:

- EC2 Dashboard
- EC2 Global View
- Events
- Tags
- Limits
- Instances
- Images
 - AMIs
 - AMI Catalog
- Elastic Block Store
 - Volumes
 - Snapshots
 - Lifecycle Manager

The main content area displays the "Load balancers" page with the following details:

- Load balancers**: Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.
- Actions** button
- Create load balancer** button
- Filter by property or value** search bar
- Table Headers**: Name, DNS name, State, VPC ID, Availability Zone
- Message**: 0 load balancers selected. Select a load balancer above.
- Feedback**, **Language**, **Type here to search** (Windows taskbar), **Privacy**, **Terms**, **Cookie preferences**, **21°C Haze**, **10:39 AM**, **3/17/2023**

Create load balancer

Screenshot of the "Create AWS Load Balancer and..." wizard.

The main content area displays the "Load balancer types" section:

- Application Load Balancer**: Info
- Network Load Balancer**: Info
- Gateway Load Balancer**: Info

Each type is illustrated with a diagram:

- Application Load Balancer**: Shows a client connecting to an ALB (Application Load Balancer) which then routes traffic to three targets (Lambda function, Database, Container).
- Network Load Balancer**: Shows a client connecting to an NLB (Network Load Balancer) which then routes traffic via TCP, UDP, or TLS to three targets (ALB, Lambda function, Container).
- Gateway Load Balancer**: Shows a client connecting to a GWLB (Gateway Load Balancer) which then routes traffic to three targets (TLS, Lambda function, Container).

Feedback, Language, Type here to search (Windows taskbar), Privacy, Terms, Cookie preferences, 21°C Haze, 10:40 AM, 3/17/2023

Create Application Load Balancer

Enter parameters

The screenshot shows the AWS Lambda console with the URL us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard. The page is titled "Basic configuration".

Load balancer name: HOLALB

Scheme: Internet-facing (selected)

IP address type: IPv4 (selected)

Network mapping: A dropdown menu shows "vpc-0b76d4c1f5eb96f27" and "IPv4: 172.31.0.0/16".

The screenshot shows the AWS Lambda console with the URL us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard. The page is titled "Network mapping".

VPC: A dropdown menu shows "vpc-0b76d4c1f5eb96f27" and "IPv4: 172.31.0.0/16".

Mappings: "us-east-1a (use1-az1)" is selected.

Subnet: "subnet-0327067faba738f50" is selected.

IPv4 settings: "Assigned by AWS"

Load balancers | EC2 Management | Create AWS Load Balancer and A | + | us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard:

Services Search [Alt+S] N. Virginia Kumar8792

Select at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Availability Zones that are not supported by the load balancer or the VPC are not available for selection.

us-east-1a (use1-az1)

Subnet: subnet-0327067faba738f50

IPv4 settings
Assigned by AWS

us-east-1b (use1-az2)

us-east-1c (use1-az4)

us-east-1d (use1-az6)

us-east-1e (use1-az3)

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Load balancers | EC2 Management | Create AWS Load Balancer and A | + | us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard:

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Security groups Info

A security group is a set of firewall rules that control the traffic to your load balancer.

Security groups
Select up to 5 security groups Create new security group C

default sg-071f208fd97b943e1 X
VPC: vpc-0b76d4c1f5eb96f2

Listeners and routing Info

A listener is a process that checks for connection requests using the port and protocol you configure. The rules that you define for a listener determine how the load balancer routes requests to its registered targets.

▼ Listener HTTP:80 Remove

Protocol	Port	Default action	Info
HTTP	: 80	Forward to	Select a target group C

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Create new security group

The screenshot shows the AWS EC2 Management Console interface for creating a new security group. The top navigation bar includes tabs for Load balancers, EC2 Management Console, and Create AWS Load Balancer and... The main title is "Create security group".

Basic details

- Security group name: ALBSG (Info)
- Description: ALBSG (Info)
- VPC: vpc-0b76d4c1f5eb96f27 (Info)

Inbound rules (Info)

Type	Protocol	Port range	Source	Description - optional
HTTP	TCP	80	Anywhere	0.0.0.0/0

Add rule

Outbound rules (Info)

Type	Protocol	Port range	Destination	Description - optional
All traffic	All	All	Custom	0.0.0.0/0

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Screenshot of the AWS EC2 Management Console showing the creation of a new security group.

The top navigation bar includes tabs for Load balancers, EC2 Management Console, and Create AWS Load Balancer and... The URL is us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateSecurityGroup.

The main interface shows a table for defining security rules:

Type	Info	Protocol	Port range	Info	Destination	Info	Description - optional	Info
All traffic	▼	All	All	Custom	Custom	0.0.0.0/0	X	Delete

Below the table, there is a section for "Tags - optional" with a note: "A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs." It shows "No tags associated with the resource" and a button to "Add new tag". A note says "You can add up to 50 more tags".

At the bottom right are "Cancel" and "Create security group" buttons.

Screenshot of the AWS EC2 Management Console showing the successful creation of a new security group.

The top navigation bar includes tabs for Load balancers, EC2 Management Console, and Create AWS Load Balancer and... The URL is us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SecurityGroup:groupId=sg-08c937363ebf17806.

A green success message box is displayed: "Security group (sg-08c937363ebf17806 | ALBSG) was created successfully".

The main interface shows the details of the newly created security group "sg-08c937363ebf17806 - ALBSG".

Security group name	Security group ID	Description	VPC ID
ALBSG	sg-08c937363ebf17806	ALBSG	vpc-0b76d4c1f5eb96f27

Owner: 304083684030, Inbound rules count: 1 Permission entry, Outbound rules count: 1 Permission entry.

Navigation links on the left include: EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Images (AMIs, AMI Catalog), and Elastic Block Store (Volumes, Snapshots, Lifecycle Manager).

At the bottom right are "Actions" and "Details" buttons.

Load balancers | EC2 Management Console | EC2 Management Console | Create AWS Load Balancer and ...

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard:

Services Search [Alt+S]

N. Virginia Kumar8792

Security groups Info

A security group is a set of firewall rules that control the traffic to your load balancer.

Security groups

Select up to 5 security groups

Q |

Name	Description	ID
default	VPC: vpc-0b76d4c1f5eb96f27	sg-071f208fd97b943e1
ALBSG	VPC: vpc-0b76d4c1f5eb96f27	sg-08c937365ebf17806

Listeners and routing Info

A listener is a process that checks for connection requests using the port and protocol you configure. The rules that you define for a listener determine how the load balancer routes requests to its registered targets.

▼ Listener HTTP:80

Protocol: HTTP Port: 80 Default action: Info

Forward to: Select a target group

Remove

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Load balancers | EC2 Management Console | EC2 Management Console | Create AWS Load Balancer and ...

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard:

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▼ Listener HTTP:80

Protocol: HTTP Port: 80 Default action: Info

Forward to: Select a target group

Create target group

Listener tags - optional

Consider adding tags to your listener. Tags enable you to categorize your AWS resources so you can more easily manage them.

Add listener tag

You can add up to 50 more tags.

Add listener

▼ Add-on services - optional

Additional AWS services can be integrated with this load balancer at launch. You can also add these and other services after your load balancer is created by reviewing the "Integrated Services" tab for the selected load balancer.

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Create target group

Step 1
Specify group details

Step 2
Register targets

Basic configuration
Settings in this section cannot be changed after the target group is created.

Choose a target type

Instances

- Supports load balancing to instances within a specific VPC.
- Facilitates the use of [Amazon EC2 Auto Scaling](#) to manage and scale your EC2 capacity.

IP addresses

- Supports load balancing to VPC and on-premises resources.
- Facilitates routing to multiple IP addresses and network interfaces on the same instance.
- Offers flexibility with microservice based architectures, simplifying inter-application communication.
- Supports IPv6 targets, enabling end-to-end IPv6 communication, and IPv4-to-IPv6 NAT.

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Type here to search

Load balancers | EC2 Management Console | Target groups | EC2 Management Create AWS Load Balancer and A | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateTargetGroup;protocol=HTTP;vpc=vpc-0b76d4c1f5eb96f27

EC2 Services Search [Alt+S]

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ALBTG

maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

Protocol Port

HTTP : 80

VPC Select the VPC with the instances that you want to include in the target group.

vpc-0b76d4c1f5eb96f27
IPv4: 172.31.0.0/16

Protocol version

HTTP1 Send requests to targets using HTTP/1.1. Supported when the request protocol is HTTP/1.1 or HTTP/2.

HTTP2 Send requests to targets using HTTP/2. Supported when the request protocol is HTTP/2 or gRPC, but gRPC-specific features are not available.

gRPC Send requests to targets using gRPC. Supported when the request protocol is gRPC.

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Type here to search

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Screenshot of the AWS EC2 Management Console showing the 'Health checks' configuration page for a target group.

Health check protocol: HTTP

Health check path: /

Advanced health check settings:

- Port:** Traffic port (selected)
- Healthy threshold:** 5

Unhealthy threshold: 2

Timeout: 5 seconds

Restore defaults button

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Screenshot of the AWS EC2 Management Console showing the 'Advanced health check settings' configuration page for a target group.

Port: Traffic port (selected)

Healthy threshold: 5

Unhealthy threshold: 2

Timeout: 5 seconds

Restore defaults button

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The screenshot shows the AWS EC2 Management Console interface for creating a target group. The 'Interval' field is set to 30 seconds, and the 'Success codes' field contains 200.

Interval
The approximate amount of time between health checks of an individual target
30
seconds
5-300

Success codes
The HTTP codes to use when checking for a successful response from a target. You can specify multiple values (for example, "200,202") or a range of values (for example, "200-299").
200

Attributes

Certain default attributes will be applied to your target group. You can view and edit them after creating the target group.

Tags - optional
Consider adding tags to your target group. Tags enable you to categorize your AWS resources so you can more easily manage them.

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The screenshot shows the AWS EC2 Management Console interface for creating a target group. The 'Success codes' field contains 200.

5-300

Success codes
The HTTP codes to use when checking for a successful response from a target. You can specify multiple values (for example, "200,202") or a range of values (for example, "200-299").
200

Attributes

Certain default attributes will be applied to your target group. You can view and edit them after creating the target group.

Tags - optional
Consider adding tags to your target group. Tags enable you to categorize your AWS resources so you can more easily manage them.

Cancel Next

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Screenshot of the AWS EC2 Management Console showing the "Create target group" step. The left sidebar shows "Step 1 Specify group details" and "Step 2 Register targets". The main area is titled "Register targets" with the sub-instruction "This is an optional step to create a target group. However, to ensure that your load balancer routes traffic to this target group you must register your targets." Below this is a table titled "Available instances (0)" with columns: Instance ID, Name, State, Security groups, Zone, and Subnet ID. A message "No Available instances" is displayed. Under "Ports for the selected instances", a port value of "80" is entered in a box, with the note "1-65535 (separate multiple ports with commas)". A button "Include as pending below" is visible.

Screenshot of the AWS EC2 Management Console showing the "Review targets" step. The main area is titled "Review targets" and contains a table titled "Targets (0)" with columns: Remove, Health status, Instance ID, Name, Port, State, Security groups, Zone, and Subnet ID. A message "No instances added yet" is displayed, followed by the instruction "Specify instances above, or leave the group empty if you prefer to add targets later." At the bottom, there is a summary "0 pending" and buttons for "Cancel", "Previous", and a prominent orange "Create target group" button.

Screenshot of the AWS EC2 Management Console showing the Target groups page. The navigation bar includes tabs for Load balancers, EC2 Management Console, Target groups, and Create AWS Load Balancer and A. The main content area shows a table of target groups with one entry: ALBTG (arn:aws:elasticloadbalancing:us-east-1:123456789012:targetgroup/ALBTG). The left sidebar lists various EC2 services like EC2 Dashboard, Instances, Images, and Elastic Block Store.

Name	ARN	Port	Protocol	Target type
ALBTG	arn:aws:elasticloadbalancing:us-east-1:123456789012:targetgroup/ALBTG	80	HTTP	Instance

Screenshot of the AWS EC2 Management Console showing the Create ALB Wizard - Listener configuration step. The navigation bar includes tabs for Load balancers, EC2 Management Console, Target groups, and Create AWS Load Balancer and A. The main content area shows a configuration for Listener HTTP:80. The 'Default action' dropdown is set to 'Forward to' and a search bar is active, showing 'ALBTG'. Below it, a table shows 'Listener tags - optional' and an 'Add listener tag' button. At the bottom, there's an 'Add listener' button and a section for 'Add-on services - optional'.

Protocol	Port	Default action
HTTP	80	Forward to <input type="text" value="Select a target group"/> Create target

Basic configuration

HOLALB

- Internet-facing
- IPv4

Security groups

ALBSG
sg-08c937363ebf17806

Network mapping

VPC vpc-0b76d4c1f5eb96f27

- us-east-1a subnet-0327067faba738f50
- us-east-1e subnet-0dff063281025cc2a

Listeners and routing

- HTTP:80 defaults to ALBTG

Add-on services

None

Tags

None

Attributes

Certain default attributes will be applied to your load balancer. You can view and edit them after creating the load balancer.

Create load balancer

Successfully created load balancer: HOLALB

Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.

EC2 > Load balancers > HOLALB > Create Application Load Balancer

Create Application Load Balancer

Suggested next steps

- Review, customize, or enable attributes for your load balancer and listeners using the **Description** and **Listeners** tabs within **HOLALB**.
- Discover other services that you can integrate with your load balancer. Visit the **Integrated services** tab within **HOLALB**.

View load balancer

Create a Launch Template

The screenshot shows the AWS EC2 Management Console interface. The top navigation bar includes tabs for Load balancers, EC2 Management, Dashboard, Target groups, and Create AWS Load Balancer. The main content area is titled "Resources" and displays a summary of Amazon EC2 resources in the US East (N. Virginia) Region. The resource counts are:

Resource Type	Count
Instances (running)	0
Auto Scaling Groups	0
Dedicated Hosts	0
Elastic IPs	0
Instances	0
Key pairs	2
Load balancers	1
Placement groups	0
Security groups	2
Snapshots	0
Volumes	0

Below the resource summary, there are two sections: "Launch instance" and "Service health". The "Launch instance" section contains a note: "To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud." The "Service health" section shows a status icon. To the right of the main content, there is a sidebar titled "Account attributes" listing supported platforms (VPC), default VPC (vpc-0b76d4c1f5eb96f27), settings, EBS encryption, zones, EC2 Serial Console, default credit specification, and console experiments. At the bottom of the page, there is an "Explore AWS" section with a "10 Things You Can Do Today to..." link.

Click on Key pairs.

The screenshot shows the AWS EC2 Management Console with the 'Key pairs' page open. The left sidebar includes links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Images (AMIs, AMI Catalog), and Elastic Block Store (Volumes, Snapshots, Lifecycle Manager). The main content area displays a table of key pairs:

Name	Type	Created	Fingerprint
pra1	rsa	2023/03/13 12:41 GMT+5:30	a8:1d:80:04:38:f7:23:bb:69:83:82:0a
pra3	rsa	2023/03/13 20:13 GMT+5:30	3f:bcae:5d:63:97:47:51:f2:91:b0:93:c

At the top right, there are 'Actions' and 'Create key pair' buttons. The bottom navigation bar includes links for Feedback, Language, and various system icons.

Create key pair

The screenshot shows the 'Create key pair' wizard step. The left sidebar is identical to the previous screenshot. The main content area has a title 'Create key pair' and a sub-section 'Key pair'. It explains that a key pair consists of a private key and a public key used for identity verification. The form fields are as follows:

- Name:** ALBKP (highlighted with a blue border)
- Key pair type:** RSA (selected radio button)
- Private key file format:** .ppk (selected radio button)
- Tags - optional:** No tags associated with the resource.

At the bottom, there are 'Feedback', 'Language', and 'Cookie preferences' links, along with a system status bar showing the date and time.

Load balancers | EC2 Management Console | Create key pair | Target groups | EC2 Management | Create AWS Load Balancer | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateKeyPair:

Name: ALBKP

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type: RSA

Private key file format: .ppk

Tags - optional: No tags associated with the resource.

Add new tag

You can add up to 50 more tags.

Cancel Create key pair

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Load balancers | EC2 Management Console | Key pairs | EC2 Management | Target groups | EC2 Management | Create AWS Load Balancer | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#KeyPairs:

New EC2 Experience Tell us what you think

Key pairs (3) info

Name	Type	Created	Fingerprint
pra1	rsa	2023/03/13 12:41 GMT+5:30	a8:1d:80:04:38:f7:23:bb:69:83:82:0a
pra3	rsa	2023/03/13 20:13 GMT+5:30	3f:bc:ae:5d:63:97:47:51:f2:91:b0:93:c
ALBKP	rsa	2023/03/17 10:57 GMT+5:30	2a:57:a5:bb:2d:2e:14:09:e3:cb:3f:93

Actions Create key pair

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Create a Security group for EC2 Instances

The screenshot shows the AWS EC2 Dashboard. On the left, there's a sidebar with links like EC2 Dashboard, Instances, Images, and Elastic Block Store. The main area displays 'Resources' with counts for Instances (running), Auto Scaling Groups, Dedicated Hosts, Elastic IPs, Instances, Key pairs, Load balancers, Placement groups, Security groups, Snapshots, and Volumes. To the right, the 'Account attributes' section lists supported platforms (VPC), default VPC (vpc-0b76d4c1f5eb96f27), settings, EBS encryption, zones, EC2 Serial Console, default credit specification, and console experiments. At the bottom, there's a search bar and a taskbar.

Click Security groups

The screenshot shows the AWS Security Groups page. The sidebar includes links for EC2 Dashboard, Instances, Images, and Elastic Block Store. The main content area shows a table titled 'Security Groups (2)'. The table has columns for Name, Security group ID, Security group name, VPC ID, and Description. It lists two groups: 'ALBSG' (sg-08c937363ebf17806) and 'default' (sg-071f208fd97b943e1). There are buttons for Actions, Export security groups to CSV, and Create security group. The bottom of the screen shows a taskbar.

The screenshot shows the 'Create security group' page in the AWS EC2 Management Console. The 'Basic details' section is visible, containing fields for the security group name (EC2WEBSG), description (Allows SSH access to developers), and VPC (vpc-0b76d4c1f5eb96f27). The browser tab is titled 'Create security group'.

The screenshot shows the 'Inbound rules' configuration page in the AWS EC2 Management Console. It lists three rules: one for SSH (TCP port 22) allowing 0.0.0.0/0, another for SSH (TCP port 22) allowing ::/0, and one for HTTP (TCP port 80) allowing 0.0.0.0/0. A 'Delete' button is shown next to each rule. The browser tab is titled 'Create security group'.

The screenshot shows the AWS EC2 Management Console with the URL us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateSecurityGroup. The page is titled "Create security group". It features a search bar and navigation buttons. The main area has tabs for "Info", "Inbound rules", and "Outbound rules". Under "Info", there's a dropdown for "All traffic" set to "Custom" with a rule for "0.0.0.0/0". A "Delete" button is visible. Below this is a "Tags - optional" section with a note about tags being optional labels for resources. It shows "No tags associated with the resource" and a "Add new tag" button. A note says "You can add up to 50 more tags". At the bottom are "Cancel" and "Create security group" buttons.

The screenshot shows the AWS EC2 Management Console with the URL us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SecurityGroup:groupId=sg-0eecca7c8a290eee7. The page title is "Security group (sg-0eecca7c8a290eee7 | EC2WEBSG) was created successfully". The left sidebar shows the EC2 Experience feedback section and a navigation menu with categories like EC2 Dashboard, Instances, Images, and Elastic Block Store. The main content area displays the details for the newly created security group "sg-0eecca7c8a290eee7 - EC2WEBSG". The "Details" table includes fields for Security group name (EC2WEBSG), Security group ID (sg-0eecca7c8a290eee7), Description (ALLOW SSH), Owner (304083684030), Inbound rules count (3 Permission entries), and Outbound rules count (1 Permission entry). Below the table are tabs for "Inbound rules", "Outbound rules", and "Tags". The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time.

Create EC2 Instance

The screenshot shows the 'Name and tags' section of the 'Launch an instance' wizard. It includes a 'Name' input field containing 'Linux' and a 'Add additional tags' link.

Name and tags [Info](#)

Name
Linux [Add additional tags](#)

Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

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The screenshot shows the 'Instance type' section of the 'Launch an instance' wizard. It lists the 't2.micro' instance type as selected, showing its details: Family: t2, 1 vCPU, 1 GiB Memory. Pricing options include On-Demand Windows, SUSE, RHEL, and Linux pricing. A 'Compare instance types' link is also present.

Instance type [Info](#)

Instance type
t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory
On-Demand Windows pricing: 0.0162 USD per Hour
On-Demand SUSE pricing: 0.0116 USD per Hour
On-Demand RHEL pricing: 0.0716 USD per Hour
On-Demand Linux pricing: 0.0116 USD per Hour

[Compare instance types](#)

Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required
ALBKP [Create new key pair](#)

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Load balancers | EC2 Management | Key pairs | EC2 Management | EC2 Management | Target groups | Create AWS Load

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Services Search [Alt+S] N. Virginia Kumar8792

Network settings Info Edit

Network **Info**
vpc-0b76d4c1f5eb96f27

Subnet **Info**
No preference (Default subnet in any availability zone)

Auto-assign public IP **Info**
Enable

Firewall (security groups) **Info**
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Security groups **Info**
Select security groups

EC2WEBSG sg-0eeca7c8a290eee7 X
VPC: vpc-0b76d4c1f5eb96f27

Compare security group rules

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Load balancers | EC2 Management | Key pairs | EC2 Management | EC2 Management | Target groups | Create AWS Load

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

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Configure storage Info Advanced

1x 8 GiB gp2 Root volume (Not encrypted)

Info Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage X

Add new volume

0 x File systems Edit

Advanced details Info

Summary

Number of instances **Info**
1

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Load balancers | EC2 Management | Key pairs | EC2 Management | EC2 Management | Target groups | Create AWS Load ...

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Services Search [Alt+S]

N. Virginia Kumar8792

Summary

Number of instances [Info](#)
1

Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI... [read more](#)
ami-005f9685cb30f234b

Virtual server type (instance type)
t2.micro

Firewall (security group)
EC2WEBSG

Storage (volumes)
1 volume(s) - 8 GiB

Cancel Launch instance

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21°C Haze 11:08 AM 3/17/2023

Load balancers | EC2 Management | Key pairs | EC2 Management | Instances | Target groups | Create AWS Load ...

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

New EC2 Experience Tell us what you think

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Services Search [Alt+S]

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Instances (1) Info Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
Linux	i-03249108d226a440c	Running	t2.micro	Initializing	No alarms

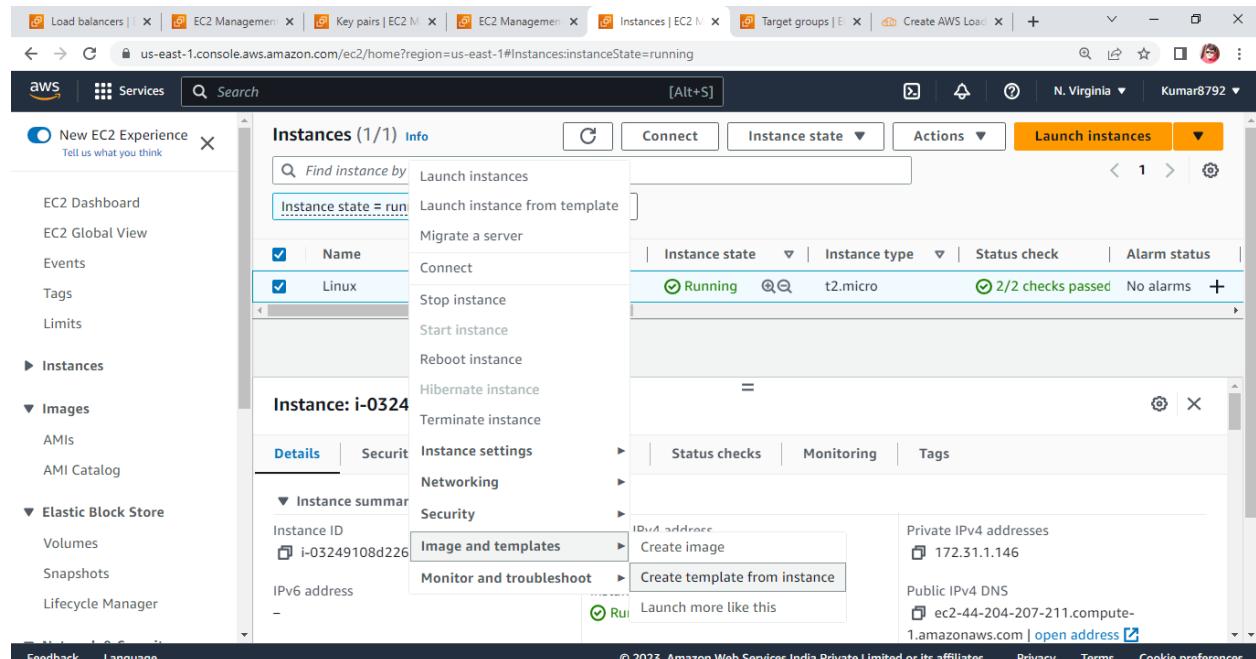
Select an instance

EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager

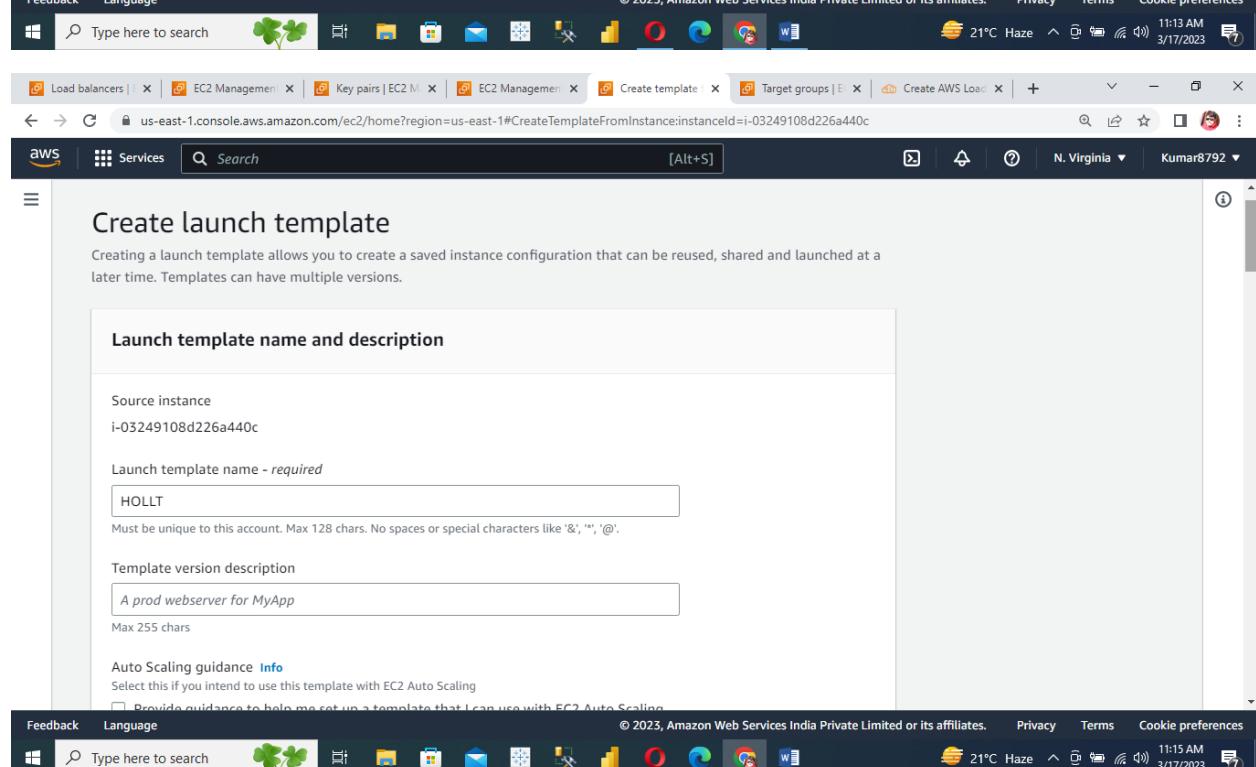
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Create a Launch Template from this EC2 Instance



The screenshot shows the AWS EC2 Instances page. On the left, there's a navigation sidebar with links like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Images, AMIs, AMI Catalog, and Elastic Block Store. The main area displays one instance: **i-0324**, which is **Running** and of type **t2.micro**. It has **2/2 checks passed** and no alarms. Below the instance details, there are tabs for Details, Security, Instance settings, Networking, and Status checks. Under the Details tab, there are sections for Instance ID (i-03249108d226a440c), IPv4 address (172.31.1.146), and IPv6 address. A context menu is open over the instance, with the 'Image and templates' option selected. In this menu, the 'Create template from instance' option is highlighted.



The screenshot shows the 'Create launch template' wizard. Step 1: Launch template name and description. It asks for the source instance, which is set to **i-03249108d226a440c**. It also asks for a launch template name, which is **HOLT**. A note says it must be unique to this account and can't contain '&', '*', or '@'. It also asks for a template version description, which is **A prod webserver for MyApp**. There's a note that says the description can't be longer than 255 characters. At the bottom, there's an 'Auto Scaling guidance' section with a link to 'Info' and a checkbox to 'Provide guidance to help me set up a template that I can use with EC2 Auto Scaling'.

Screenshot of the AWS Lambda console showing the creation of a new Lambda function. The search bar at the top contains "Create AWS Lambda". The main area shows the "Lambda function configuration" section with fields for "Function name" (set to "HelloWorld"), "Runtime" (set to "Node.js 16.x"), and "Handler" (set to "index.handler"). The "Code" tab is selected, showing the "Upload" button and the "Edit on GitHub" link. The "Environment" tab is also visible.

Screenshot of the AWS Lambda console showing the creation of a new Lambda function. The search bar at the top contains "Create AWS Lambda". The main area shows the "Lambda function configuration" section with fields for "Function name" (set to "HelloWorld"), "Runtime" (set to "Node.js 16.x"), and "Handler" (set to "index.handler"). The "Code" tab is selected, showing the "Upload" button and the "Edit on GitHub" link. The "Environment" tab is also visible.

Screenshot of the AWS EC2 instance creation template configuration page.

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name

ALBKP Template value

Network settings Info

Subnet Info

subnet-0327067faba738f50
VPC: vpc-0b76d4c1f5eb96f27 Owner: 304083684030 Availability Zone: us-east-1a
IP addresses available: 4089 CIDR: 172.31.0.0/20

Select existing security group

Common security groups Info

Select security groups

EC2WEBSG sg-0eecca7c8a290eee7 X
VPC: vpc-0b76d4c1f5eb96f27

When you specify a subnet, a network interface is automatically added to your template.

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Select existing security group

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Screenshot of the AWS EC2 instance creation template configuration page.

Common security groups Info

Select security groups

EC2WEBSG sg-0eecca7c8a290eee7 X
VPC: vpc-0b76d4c1f5eb96f27

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Advanced network configuration

Storage (volumes) Info

EBS Volumes Hide details

Volume 1 (Template and AMI Root) (8 GiB, EBS, General purpose SSD (gp2))
AMI Volumes are not included in the template unless modified

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The screenshot shows the AWS EC2 instance creation wizard at step 3, titled "Configure Instance Details". The "Storage (volumes)" section is open, displaying an "EBS Volumes" table with one row: "Volume 1 (Template and AMI Root) (8 GiB, EBS, General purpose SSD (gp2))". A tooltip indicates that free-tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Below the table is a "Add new volume" button. The "Resource tags" section is also visible, with a search bar set to "Linux". The top navigation bar includes tabs for Load balancers, EC2 Management, Key pairs, Create template, Target groups, and Create AWS Load.

The screenshot shows the AWS EC2 instance creation wizard at step 4, titled "Review Instance Configuration". The "Advanced details" section is open, showing the selected instance type "t2.micro". The "Summary" section lists the configuration: Software Image (AMI) - Amazon Linux 2 Kernel 5.10 AMI...read more; Virtual server type (instance type) - t2.micro; Firewall (security group) - EC2WEBSG; and Storage (volumes). The bottom navigation bar includes tabs for Load balancers, EC2 Management, Key pairs, Create template, Target groups, and Create AWS Load.

Click on Advanced details

Type below code in userdata

```
#!/bin/bash

yum update -y

yum install -y httpd

yum install -y wget

cd /var/www/html

wget https://raw.githubusercontent.com/ACloudGuru-Resources/Course-Certified-Solutions-Architect-Associate/master/labs/creating-an-auto-scaling-group-and-app-load-balancer-aws/index.html

wget https://raw.githubusercontent.com/ACloudGuru-Resources/Course-Certified-Solutions-Architect-Associate/master/labs/creating-an-auto-scaling-group-and-app-load-balancer-aws/acg.jpg

service httpd start
```

Load balancers | EC2 Management | Key pairs | EC2 Management | Create template | Target groups | Create AWS Load

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateTemplateFromInstance:instanceId=i-03249108d226a440c

Services Search [Alt+S]

Allow tags in metadata [Info](#)

Disable

User data - optional [Info](#)

Enter user data in the field.

```
#!/bin/bash
yum update -y
yum install -y httpd
yum install -y wget
cd /var/www/html
wget https://raw.githubusercontent.com/ACloudGuru-Resources/Course-Certified-Solutions-Architect-Associate/master/labs/creating-an-auto-scaling-group-and-app-load-balancer-aws/index.html
wget https://raw.githubusercontent.com/ACloudGuru-Resources/Course-Certified-Solutions-Architect-Associate/master/labs/creating-an-auto-scaling-group-and-app-load-balancer-aws/acg.jpg
service httpd start
```

User data has already been base64 encoded

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Load balancers | EC2 Management | Key pairs | EC2 Management | Create template | Target groups | Create AWS Load

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateTemplateFromInstance:instanceId=i-03249108d226a440c

Services Search [Alt+S]

Summary

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI... [read more](#)

ami-005f9685cb30f234b

Virtual server type (instance type)

t2.micro

Firewall (security group)

EC2WEBSG

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month. 30 GiB of EBS storage. 2 million IOPS. 1 GB of snapshots, and 100 GB of

[Cancel](#) [Create launch template](#)

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The screenshot shows the AWS EC2 console with a success message: "Successfully created HOLLT (lt-01cf0a1d1b0d40595)". Below this, there are "Next steps" links for launching an instance, creating an Auto Scaling group, and more.

Success
Successfully created [HOLLT \(lt-01cf0a1d1b0d40595\)](#)

[Actions log](#)

Next steps

[Launch an instance](#)
With On-Demand Instances, you pay for compute capacity by the second (for Linux, with a minimum of 60 seconds) or by the hour (for all other operating systems) with no long-term commitments or upfront payments. Launch an On-Demand Instance from your launch template.

[Launch instance from this template](#)

[Create an Auto Scaling group from your template](#)
Amazon EC2 Auto Scaling helps you maintain application availability and allows you to scale your Amazon EC2 capacity up or down automatically according to conditions you define. You can use Auto Scaling to help ensure that you are running your desired number of Amazon EC2 instances during demand spikes to maintain performance and decrease capacity during lulls to reduce costs.

[Create Auto Scaling group](#)

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Type here to search 21°C 11:18 AM 3/17/2023

Create an Auto Scaling Group

The screenshot shows the AWS EC2 Dashboard. On the left, a sidebar menu includes 'EC2 Dashboard', 'Instances' (selected), 'Images', 'Elastic Block Store', and other options like 'Events', 'Tags', 'Limits', 'AMIs', 'AMI Catalog', 'Volumes', 'Snapshots', and 'Lifecycle Manager'. The main 'Resources' section displays a grid of metrics:

Instances (running)	1	Auto Scaling Groups	0
Dedicated Hosts	0	Elastic IPs	0
Instances	1	Key pairs	3
Load balancers	1	Placement groups	0
Security groups	3	Snapshots	0
Volumes	1		

The 'Account attributes' sidebar lists supported platforms (VPC), default VPC (vpc-0b76d4c1f5eb96f27), settings, EBS encryption, zones, EC2 Serial Console, default credit specification, and console experiments.

Click Auto Scaling Groups

The screenshot shows the 'Amazon EC2 Auto Scaling' landing page. The main title is 'Amazon EC2 Auto Scaling' followed by the subtitle 'helps maintain the availability of your applications'. A call-to-action button says 'Create Auto Scaling group'. Below this, a paragraph explains that Auto Scaling groups are collections of Amazon EC2 instances that enable automatic scaling and fleet management features. The page also features sections for 'How it works' and 'Pricing'.

Create Auto Scaling group

The screenshot shows the AWS Management Console with the URL us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup. The page title is "Create Auto Scaling group". 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), Step 5 - optional (Add notifications), and Step 6 - optional (Add tags). The main content area is titled "Choose launch template or configuration" with a sub-instruction: "Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group. If you currently use launch configurations, you might consider migrating to launch templates." A "Name" input field contains "HOLASG". Below it, a "Auto Scaling group name" input field also contains "HOLASG", with a note: "Must be unique to this account in the current Region and no more than 255 characters." At the bottom right of the main content area, there are "Launch template" and "Switch to launch configuration" buttons.

The screenshot shows the continuation of the AWS Create Auto Scaling group wizard. The URL remains the same. The sidebar now includes Step 5 - optional (Add notifications) and Step 6 - optional (Add tags). The main content area is titled "Launch template" with a sub-instruction: "Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups." An "HOLLT" dropdown menu is open. Below it, there are sections for "Create a launch template" (button), "Version" (dropdown set to "Default (1)", "Create a launch template version" button), and "Description" (dropdown set to "-"). To the right, there are columns for "Launch template" (set to "HOLLT"), "Instance type" (set to "t2.micro"), "AMI ID" (set to "ami-005f9685cb30f234b"), "Security groups" (dropdown set to "-"), "Request Spot Instances" (checkbox set to "No"), "Key pair name" (set to "ALBKP"), and "Security group IDs" (dropdown set to "sg-Deecca7c8a290eee7"). The footer includes standard AWS navigation links and a status bar showing "21°C Haze" and the date "3/17/2023".

Load balancer | EC2 Manager | Key pairs | EC2 Manager | Create template | Create Auto Scaling group | Target group | Create AWS Lambda | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

Services | Search [Alt+S] N. Virginia Kumar8792

Default (1) Create a launch template version

Description	Launch template HOLLT lt-01cf0a1d1b0d40595	Instance type t2.micro
AMI ID	ami-005f9685cb30f234b	Security groups
Key pair name	ALBKP	Security group IDs sg-0eecca7c8a290eee7
Additional details		
Storage (volumes)	Date created /dev/xvda Fri Mar 17 2023 11:18:23 GMT+0530 (India Standard Time)	

Cancel Next

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Load balancer | EC2 Manager | Instances | EC2 Manager | Create template | Create Auto Scaling group | Target group | Create AWS Lambda | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

Services | Search [Alt+S] N. Virginia Kumar8792

Configure group size and scaling policies

Step 5 - optional Add notifications

Step 6 - optional Add tags

Step 7 Review

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

vpc-0b76d4c1f5eb96f27 172.31.0.0/16 Default

Create a VPC

Availability Zones and subnets

Select Availability Zones and subnets

us-east-1a | subnet-0327067faba738f50 172.31.0.0/20 Default

us-east-1e | subnet-0dff063281025cc2a 172.31.48.0/20 Default

Create a subnet

Instance type requirements Info Override launch template

You can keep the same instance attributes or instance type from your launch template, or you can choose to override the launch template by specifying different instance attributes or manually adding instance types.

Launch template	Version	Description
HOLLT	Default	-

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The screenshot shows the AWS EC2 Auto Scaling Group creation wizard at Step 7: Instance type requirements. The interface includes a search bar, navigation buttons, and tabs for 'Add tags' and 'Review'. Two subnets are listed: 'us-east-1a | subnet-0327067faba738f50' (172.31.0.0/20) and 'us-east-1e | subnet-0dff063281025cc2a' (172.31.48.0/20). A 'Create a subnet' button is available. Below this, 'Instance type requirements' are shown, allowing users to override launch template settings. The current configuration shows a launch template named 'HOLT' (version Default, ID lt-01cf0a1d1b0d40595), and an instance type set to 't2.micro'. Buttons for 'Cancel', 'Skip to review', 'Previous', and 'Next' are at the bottom.

The screenshot shows the AWS EC2 Auto Scaling group configuration wizard at Step 1: Configure advanced options - optional. The interface includes a search bar, navigation buttons, and tabs for 'Choose launch template or configuration', 'Choose instance launch options', 'Configure advanced options', 'Configure group size and scaling policies', 'Add notifications', and 'Add tags'. The 'Configure advanced options' tab is active. It displays a section titled 'Load balancing - optional' with three options: 'No load balancer' (selected), 'Attach to an existing load balancer', and 'Attach to a new load balancer'. A note states: 'Choose a load balancer to distribute incoming traffic for your application across instances to make it more reliable and easily scalable. You can also set options that give you more control over health check replacements and monitoring.' A 'Configure advanced options' button is located at the bottom right.

Load balancer | EC2 Manager | Instances | EC2 Manager | Create template | Create Auto Scaling group | Target group | Create AWS Lambda | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

Services Search [Alt+S]

Add notifications Step 6 - optional Add tags

Step 7 Review

Attach to an existing load balancer

Select the load balancers that you want to attach to your Auto Scaling group.

Choose from your load balancer target groups
This option allows you to attach Application, Network, or Gateway Load Balancers.

Choose from Classic Load Balancers

Existing load balancer target groups
Only instance target groups that belong to the same VPC as your Auto Scaling group are available for selection.

Select target groups

ALBTG | HTTP X
Application Load Balancer: HOLALB

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Load balancer | EC2 Manager | Instances | EC2 Manager | Create template | Create Auto Scaling group | Target group | Create AWS Lambda | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

Services Search [Alt+S]

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

Default instance warmup [Info](#)
The amount of time that CloudWatch metrics for new instances do not contribute to the group's aggregated instance metrics, as their usage data is not reliable yet.

Enable default instance warmup

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The screenshot shows the 'Additional settings - optional' step of the AWS EC2 Auto Scaling wizard. It includes sections for Monitoring (with a checked checkbox for CloudWatch Metrics collection), Default instance warmup (with an unchecked checkbox for enabling it), and a 'Skip to review' button.

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

Default instance warmup [Info](#)
The amount of time that CloudWatch metrics for new instances do not contribute to the group's aggregated instance metrics, as their usage data is not reliable yet.
 Enable default instance warmup

Cancel Skip to review Previous Next

The screenshot shows the 'Configure group size and scaling policies - optional' step of the AWS EC2 Auto Scaling wizard. It includes sections for Group size (with input fields for Desired capacity, Minimum capacity, and Maximum capacity), and a 'Skip to review' button.

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

Configure group size and scaling policies - optional [Info](#)

Set the desired, minimum, and maximum capacity of your Auto Scaling group. You can optionally add a scaling policy to dynamically scale the number of instances in the group.

Group size - optional [Info](#)

Specify the size of the Auto Scaling group by changing the desired capacity. You can also specify minimum and maximum capacity limits. Your desired capacity must be within the limit range.

Desired capacity
2

Minimum capacity
2

Maximum capacity
4

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Load balancer | EC2 Manager | Instances | EC2 | EC2 Manager | Create template | Create Auto S... | Target group | Create AWS L... | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

aws Services Search [Alt+S] N. Virginia Kumar8792

Review Scaling policies - optional

Choose whether to use a scaling policy to dynamically resize your Auto Scaling group to meet changes in demand. [Info](#)

Target tracking scaling policy
Choose a desired outcome and leave it to the scaling policy to add and remove capacity as needed to achieve that outcome.

None

Scaling policy name
Target Tracking Policy

Metric type
Average CPU utilization

Target value
30

Instances need
300 seconds warm up before including in metric

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Type here to search

11:28 AM 21°C Haze

Load balance | EC2 Manager | Instances | EC2 | EC2 Manager | Create template | Create Auto Scaling group | Target group | Create AWS Lambda | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

aws Services Search [Alt+S]

Average CPU utilization ▾

Target value
30

Instances need
300 seconds warm up before including in metric

Disable scale in to create only a scale-out policy

Instance scale-in protection - optional

Instance scale-in protection
If protect from scale in is enabled, newly launched instances will be protected from scale in by default.

Enable instance scale-in protection

Cancel Skip to review Previous Next

Screenshot of the AWS EC2 Auto Scaling group creation wizard, Step 5: Add notifications - optional.

The left sidebar shows 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), and Step 6 (optional: Add tags).

The main content area displays the "Add notifications - optional" section. It includes a note: "Send notifications to SNS topics whenever Amazon EC2 Auto Scaling launches or terminates the EC2 instances in your Auto Scaling group." A "Add notification" button is present.

Buttons at the bottom right include: Cancel, Skip to review, Previous, and Next (highlighted in orange).

The Windows taskbar at the bottom shows various pinned icons and the date/time: 11:29 AM 3/17/2023.

Screenshot of the AWS EC2 Auto Scaling group creation wizard, Step 6: Add tags - optional.

The left sidebar shows 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), and Step 6 (optional: Add tags).

The main content area displays the "Add tags - optional" section. It includes a note: "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."

A callout box provides information: "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."

A "Tags (0)" section contains an "Add tag" button and a note: "50 remaining".

Buttons at the bottom right include: Cancel, Previous, and Next (highlighted in orange).

The Windows taskbar at the bottom shows various pinned icons and the date/time: 11:29 AM 3/17/2023.

Load balancer | EC2 Manager | Instances | EC2 Manager | Create template | Create Auto Scaling group | Target group | Create AWS Lambda | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

Services Search [Alt+S] N. Virginia Kumar8792

EC2 > Auto Scaling groups > Create Auto Scaling group

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

Review Info

Step 1: Choose launch template or configuration

Group details

Auto Scaling group name: HOLASG

Launch template

Launch template	Version	Description
HOLLT	Default	lt-01cf0a1d1b0d40595

Step 2: Choose instance launch options

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Type here to search 11:29 AM 21°C Haze 3/17/2023

Load balancer | EC2 Manager | Instances | EC2 Manager | Create template | Create Auto Scaling group | Target group | Create AWS Lambda | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

Services Search [Alt+S] N. Virginia Kumar8792

Step 5: Add notifications

Notifications

No notifications

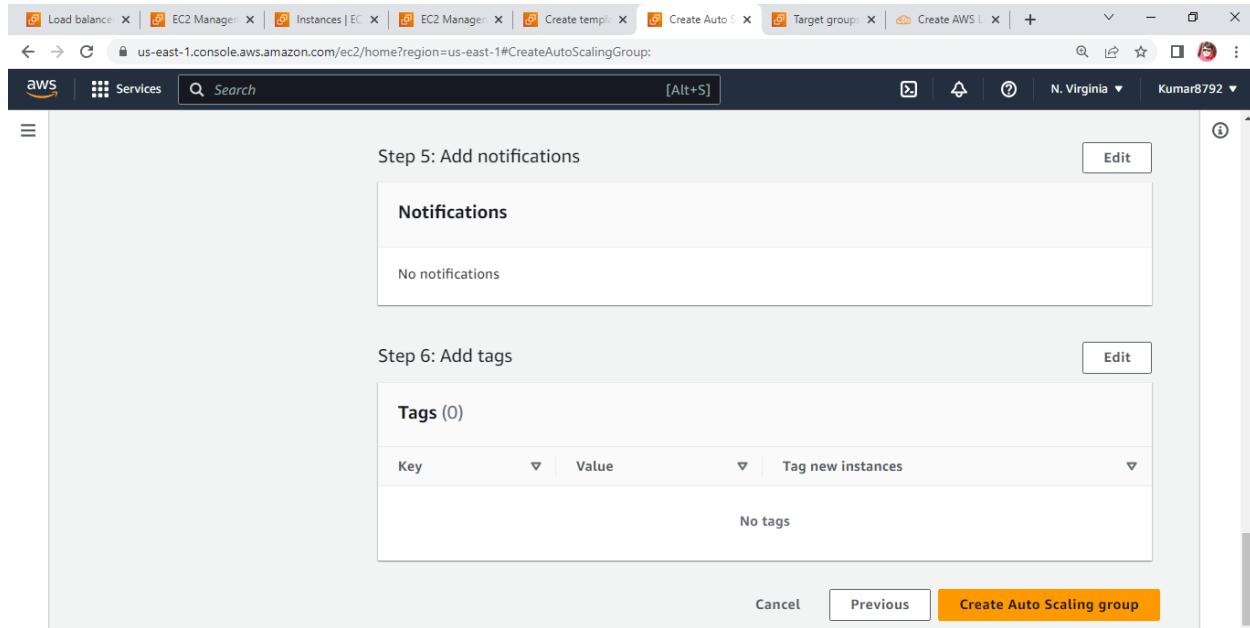
Step 6: Add tags

Tags (0)

Key Value Tag new instances

No tags

Cancel Previous Create Auto Scaling group



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Load balancer | EC2 Manager | Instances | EC2 Manager | Create template | Auto Scaling | Target group | Create AWS Lambda | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#AutoScalingGroups:

Services Search [Alt+S] N. Virginia Kumar8792

HOLASG, 1 Scaling policy created successfully. Group metrics collection is enabled.

EC2 > Auto Scaling groups

Auto Scaling groups (1) Info

Search your Auto Scaling groups

Name	Launch template/configuration	Instances	Status	Desired capacity
HOLASG	HOLLT Version Default	2	-	2

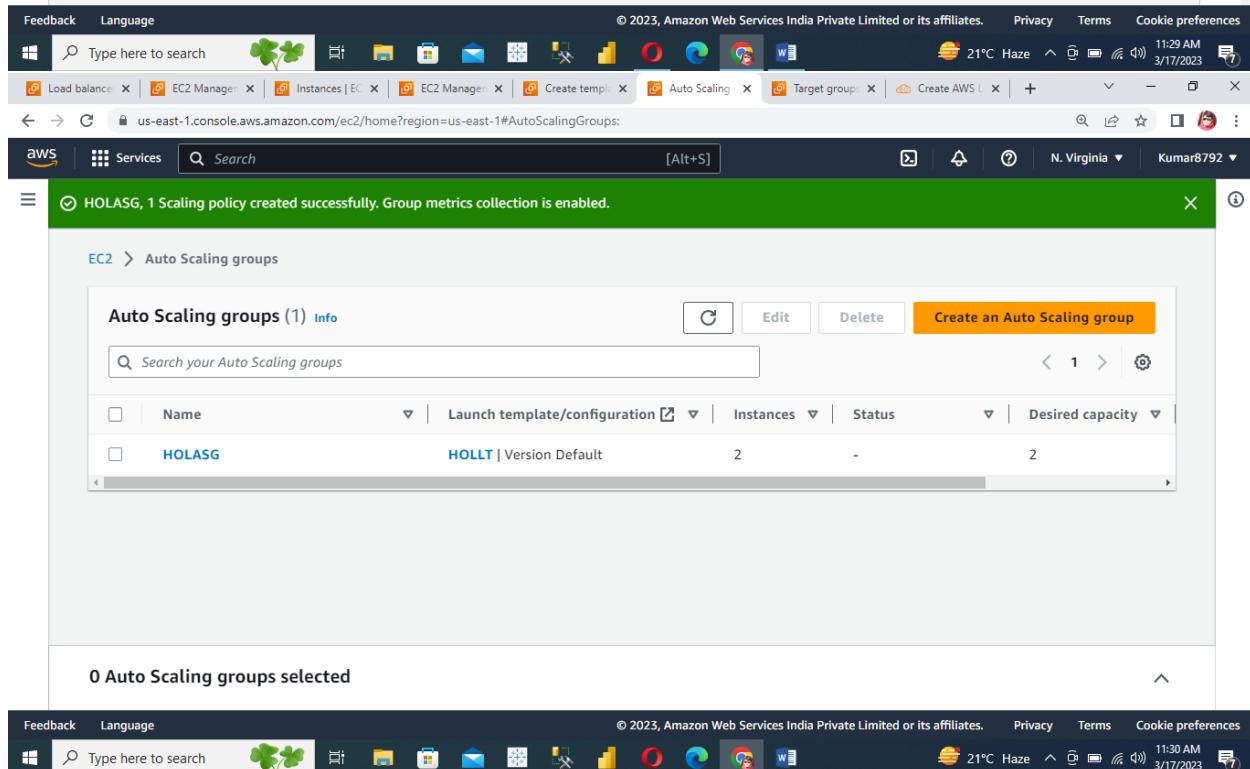
0 Auto Scaling groups selected

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Load balancer | EC2 Manager | Instances | EC2 Manager | Create template | Create Auto Scaling group | Target group | Create AWS Lambda | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#AutoScalingGroups:

Services Search [Alt+S] N. Virginia Kumar8792



The screenshot shows the AWS EC2 Instances page. The left sidebar includes links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (selected), Images (AMIs, AMI Catalog), and Elastic Block Store (Volumes, Snapshots, Lifecycle Manager). The main content area displays a table of instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
Linux	i-0cbc762dcbe7e32	Running	t2.micro	-	-
Linux	i-03249108d226a440c	Running	t2.micro	-	-
Linux	i-0df233aa74f034ef4	Running	t2.micro	-	-

A modal window titled "Select an instance" is open at the bottom, listing the three instances.

YOU WILL FOUND 2 INSTANCES ARE CREATED AUTOMATICALLY

Terminate one of the instance

The screenshot shows the AWS EC2 Instances page. The left sidebar includes links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (selected), Images (AMIs, AMI Catalog), and Elastic Block Store (Volumes, Snapshots, Lifecycle Manager). The main content area displays a table of instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
Linux	i-0a7ffbac6b30f05a41	Running	t2.micro	Initializing	No alarms
Linux	i-03249108d226a440c	Running	t2.micro	2/2 checks passed	No alarms
Linux	i-0df233aa74f034ef4	Running	t2.micro	2/2 checks passed	No alarms

A modal window titled "Select an instance" is open at the bottom, listing the three instances.

It will automatically create a new instance after 1 or 2 mins because min capacity=2