

Step 1: Creating Instance with Apache Load and making an Image of it

Step2: Launch Configuration and Auto Scaling

Creating Instance with Apache Load

The screenshot displays the AWS Management Console's 'Choose an Amazon Machine Image (AMI)' step. The breadcrumb navigation at the top shows the sequence: 1. Choose AMI (active), 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review. The main heading is 'Step 1: Choose an Amazon Machine Image (AMI)', with a 'Cancel and Exit' link to the right. Below the heading, a descriptive paragraph explains that an AMI is a template containing the operating system, application server, and applications. A search bar is provided with the placeholder text 'Search for an AMI by entering a search term e.g. "Windows"'. On the left, a sidebar lists 'My AMIs', 'AWS Marketplace', and 'Community AMIs', with a 'Free tier only' filter option. The main content area shows a list of AMIs, with the first two highlighted: 'Amazon Linux 2 AMI (HVM), SSD Volume Type' and 'Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type'. Each entry includes a brief description, root device type, virtualization type, and a 'Select' button. The bottom of the console shows a footer with 'Feedback', 'English (US)', copyright information, and links to 'Privacy Policy' and 'Terms of Use'. The Windows taskbar at the very bottom shows the time as 10:38 AM on 11/21/2018.

EC2 Management Console x capgemini-sumanth-488252746 x +

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws Services Resource Groups Sumanth2_bng @ 6446-3932-... Ohio Support

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 1: Choose an Amazon Machine Image (AMI) [Cancel and Exit](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows"

Quick Start |< < 1 to 35 of 35 AMIs > >|

My AMIs	Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-02e680c4540db351e	Select
AWS Marketplace	Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.	64-bit (x86)
Community AMIs	Root device type: ebs Virtualization type: hvm	
<input type="checkbox"/> Free tier only ⓘ	Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-023c8dbf8268fb3ca	Select
	The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.	64-bit (x86)
	Root device type: ebs Virtualization type: hvm	
	Red Hat Enterprise Linux 7.5 (HVM), SSD Volume Type - ami-03291866	Select

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1. Choose AMI

2. Choose Instance Type

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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.

Filter by: All instance types Current generation Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes

Cancel

Previous

Review and Launch

Next: Configure Instance Details

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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

1

Launch into Auto Scaling Group

Purchasing option

☐ Request Spot instances

Network

vpc-e546788d (default)

Create new VPC

Subnet

No preference (default subnet in any Availability Zone)

Create new subnet

Auto-assign Public IP

Use subnet setting (Enable)

Placement group

☐ Add instance to placement group.

Capacity Reservation

Open

Create new Capacity Reservation

IAM role

None

Create new IAM role

You do not have permissions to list instance profiles. Contact your administrator, or check your IAM permissions.

Cancel

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1. Choose AMI

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Step 4: Add Storage

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.

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ	IOPS ⓘ	Throughput (MB/s) ⓘ	Delete on Termination ⓘ	Encrypted ⓘ
Root	/dev/xvda	snap-040ce2c3fd1a8f58	8	General Purpose SSD (gp2) ▾	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

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.

Cancel

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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 (127 characters maximum)	Value (255 characters maximum)	Instances ⓘ	Volumes ⓘ
This resource currently has no tags			
Choose the Add tag button or click to add a Name tag . Make sure your IAM policy includes permissions to create tags.			

Add Tag (Up to 50 tags maximum)

Cancel

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1. Choose AMI

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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:

Description:

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ
SSH ▾	TCP	22	Custom ▾ 0.0.0.0/0	e.g. SSH for Admin Desktop ✕

⚠ Warning

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.

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Assign a security group: ☒ Create a new security group ☐ Select an existing security group

Security group name:

Description:

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Anywhere 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop
HTTP	TCP	80	Custom 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop

Add Rule

Custom

Anywhere

My IP

Warning

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.

Cancel

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Assign a security group: ☒ Create a new security group ☐ Select an existing security group

Security group name:

Description:

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Anywhere 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop
HTTP	TCP	80	Anywhere 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop

Add Rule

Warning

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.

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Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

⚠

Improve your instances' security. Your security group, apache-sumanth-sg, is open to the world.
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.
You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

▼ AMI Details

Free tier eligible

Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-023c8dbf8268fb3ca

The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root Device Type: ebs Virtualization type: hvm

[Edit AMI](#)

▼ Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

[Edit instance type](#)

Cancel

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Step 7: Review Instance Launch

▼ Security Groups

Security group name

apache-sumanth-sg

Description

launch-wizard-21 created 2018-11-21T10:39:33.716+05:30

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ
SSH	TCP	22	0.0.0.0/0	
SSH	TCP	22	:::0	
HTTP	TCP	80	0.0.0.0/0	
HTTP	TCP	80	:::0	

[Edit security groups](#)

▶ Instance Details

[Edit instance details](#)

▶ Storage

[Edit storage](#)

▶ Tags

[Edit tags](#)

Cancel

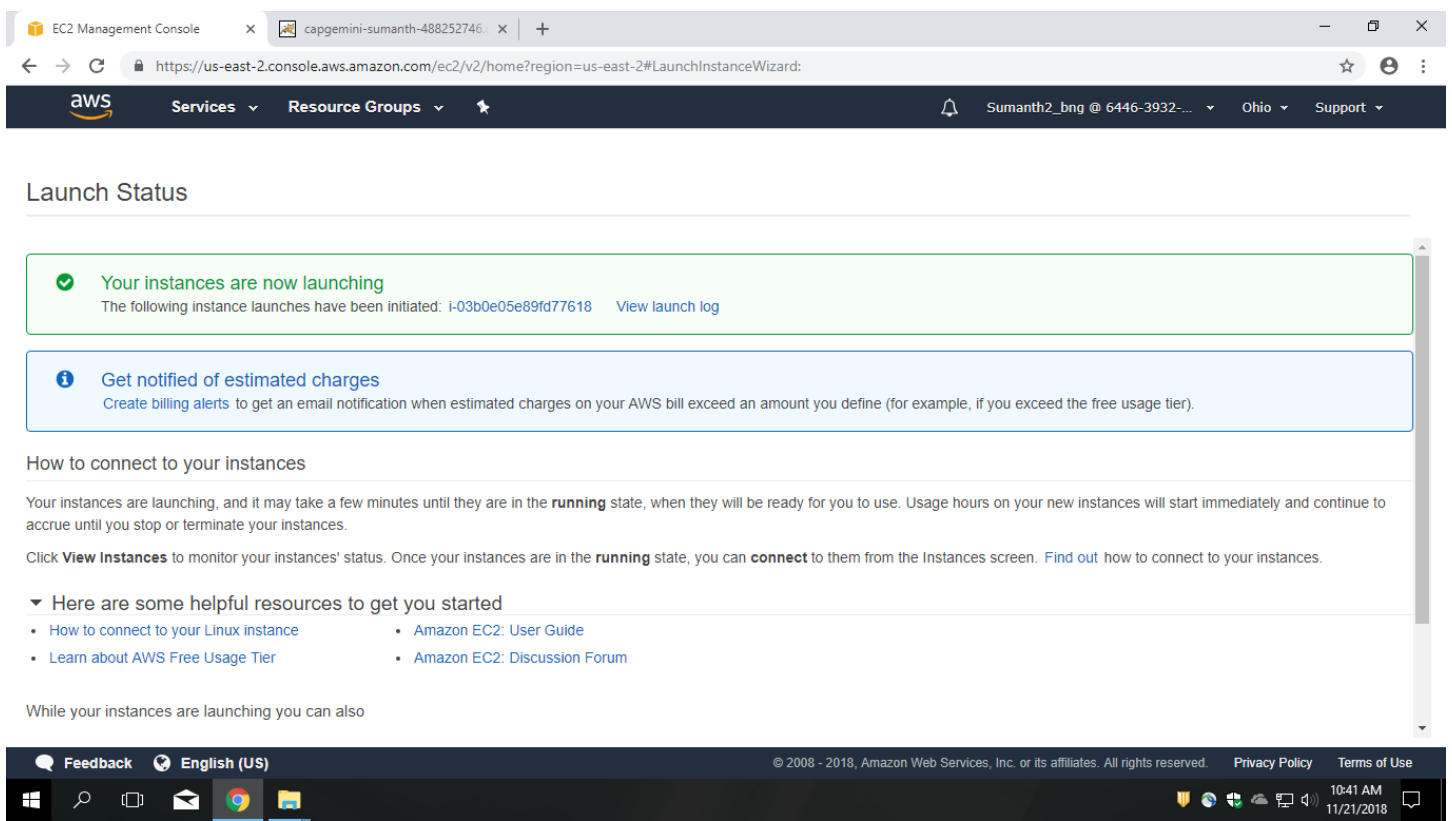
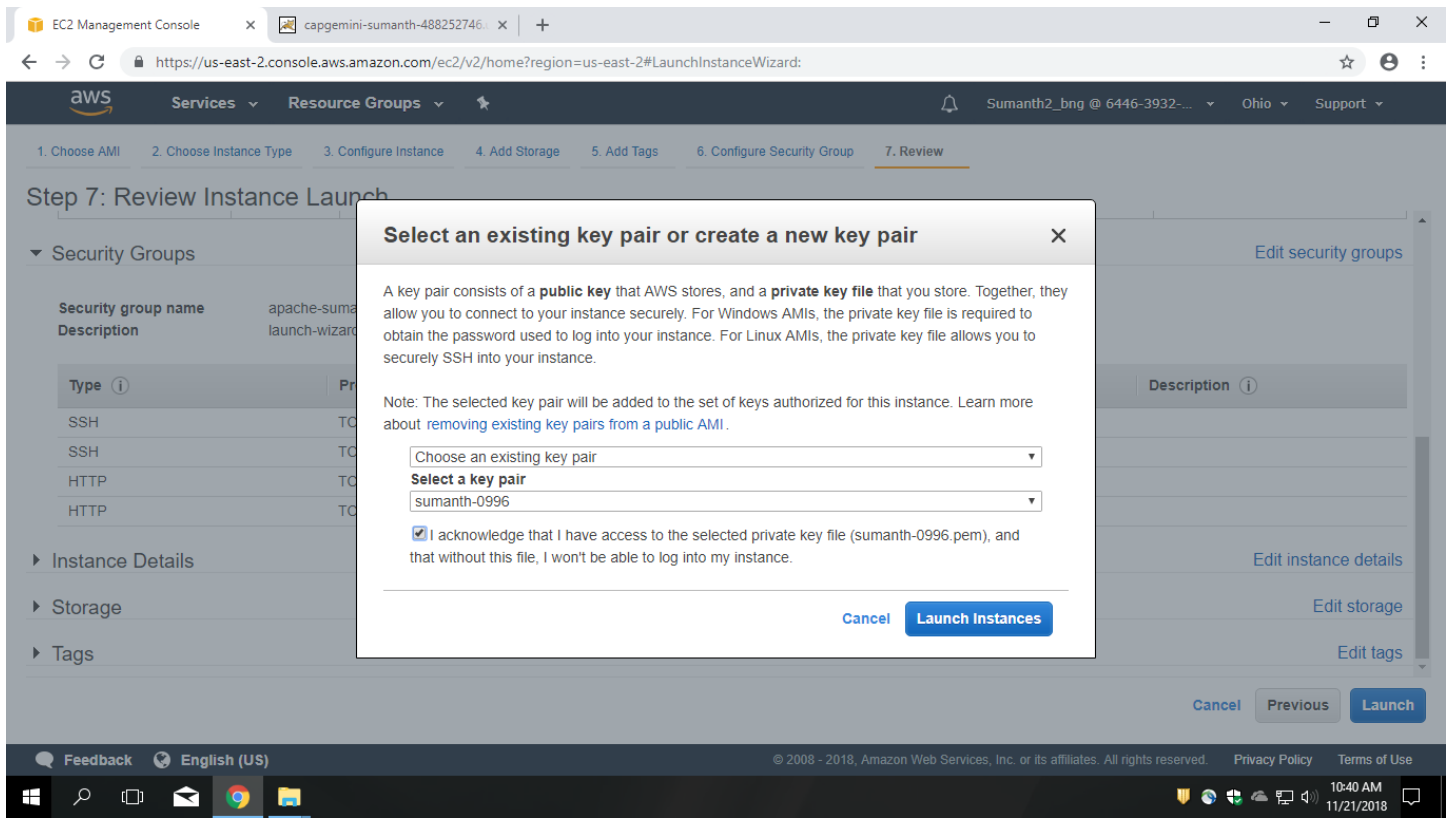
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https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:

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ELASTIC BLOCK STORE

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Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

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Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
apache-induja	i-00ed754ace3172092	t2.micro	us-east-2b	running	Initializing	None	ec2-18-222-175-7

Instance: i-03b0e05e89fd77618 (apache-sumanth)

Public DNS: ec2-18-224-18-112.us-east-2.compute.amazonaws.com

Description

Status Checks

Monitoring

Tags

Instance ID	i-03b0e05e89fd77618	Public DNS (IPv4)	ec2-18-224-18-112.us-east-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	18.224.18.112
Instance type	t2.micro	IPv6 IPs	-
Elastic IPs		Private DNS	ip-172-31-19-0.us-east-2.compute.internal
Availability zone	us-east-2b	Private IPs	172.31.19.0
Security groups	apache-sumanth-sg . view inbound rules . view outbound rules	Secondary private IPs	
Scheduled events	No scheduled events	VPC ID	vpc-e546788d
AMI ID	amzn-ami-hvm-2018.03.0.20181116-x86_64-gp2 (ami-023c8dbf8268fb3ca)	Subnet ID	subnet-594ed223
Platform	-	Network interfaces	eth0
IAM role	-	Source/dest. check	True
Key pair name	sumanth-0996	T2/T3 Unlimited	Disabled

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Installing and Configuring Apache

Commands:

1. `sudo yum install httpd -y`
2. `cd /var/www/html`
3. `sudo vi index.html` (Write some html page)
4. `sudo service httpd start`
5. `sudo chkconfig httpd on`

ec2-user@ip-172-31-19-0:~

Using username "ec2-user".

Authenticating with public key "imported-openssh-key"

```
__|  __|_ )  
_| ( _ /  Amazon Linux AMI  
__|\__|__|
```

<https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/>

[ec2-user@ip-172-31-19-0 ~]\$ sudo yum install httpd -y

ec2-user@ip-172-31-19-0:/var/www/html

Total

6.2 MB/s | 1.5 MB 00:00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

```
Installing : apr-1.5.2-5.13.amzn1.x86_64 1/5
```

```
Installing : apr-util-1.5.4-6.18.amzn1.x86_64 2/5
```

```
Installing : httpd-tools-2.2.34-1.16.amzn1.x86_64 3/5
```

```
Installing : apr-util-ldap-1.5.4-6.18.amzn1.x86_64 4/5
```

```
Installing : httpd-2.2.34-1.16.amzn1.x86_64
```

```
Verifying : httpd-tools-2.2.34-1.16.amzn1.x86_64 1/5
```

```
Verifying : apr-util-1.5.4-6.18.amzn1.x86_64 2/5
```

```
Verifying : httpd-2.2.34-1.16.amzn1.x86_64 3/5
```

```
Verifying : apr-1.5.2-5.13.amzn1.x86_64 4/5
```

```
Verifying : apr-util-ldap-1.5.4-6.18.amzn1.x86_64 5/5
```

Installed:

```
httpd.x86_64 0:2.2.34-1.16.amzn1
```

Dependency Installed:

```
apr.x86_64 0:1.5.2-5.13.amzn1
```

```
apr-util.x86 64 0:1.5.4-6.18.amzn1
```

```
apr-util-ldap.x86_64 0:1.5.4-6.18.amzn1
```

```
httpd-tools.x86_64 0:2.2.34-1.16.amzn1
```

Complete!

```
[ec2-user@ip-172-31-19-0 ~]$ cd /var/www/html/
```

```
[ec2-user@ip-172-31-19-0 html]$ sudo vi index.html
```

ec2-user@ip-172-31-19-0:/var/www/html

AutoScaling Demo

:WQ

```
ec2-user@ip-172-31-19-0:/var/www/html
Transaction test succeeded
Running transaction
  Installing : apr-1.5.2-5.13.amzn1.x86_64                                1/5
  Installing : apr-util-1.5.4-6.18.amzn1.x86_64                        2/5
  Installing : httpd-tools-2.2.34-1.16.amzn1.x86_64                    3/5
  Installing : apr-util-ldap-1.5.4-6.18.amzn1.x86_64                   4/5
  Installing : httpd-2.2.34-1.16.amzn1.x86_64                         5/5
  Verifying  : httpd-tools-2.2.34-1.16.amzn1.x86_64                    1/5
  Verifying  : apr-util-1.5.4-6.18.amzn1.x86_64                       2/5
  Verifying  : httpd-2.2.34-1.16.amzn1.x86_64                         3/5
  Verifying  : apr-1.5.2-5.13.amzn1.x86_64                            4/5
  Verifying  : apr-util-ldap-1.5.4-6.18.amzn1.x86_64                  5/5

Installed:
  httpd.x86_64 0:2.2.34-1.16.amzn1

Dependency Installed:
  apr.x86_64 0:1.5.2-5.13.amzn1          apr-util.x86_64 0:1.5.4-6.18.amzn1
  apr-util-ldap.x86_64 0:1.5.4-6.18.amzn1 httpd-tools.x86_64 0:2.2.34-1.16.amzn1

Complete!
[ec2-user@ip-172-31-19-0 ~]$ cd /var/www/html/
[ec2-user@ip-172-31-19-0 html]$ sudo vi index.html
[ec2-user@ip-172-31-19-0 html]$ sudo service httpd start
Starting httpd: [ OK ]
[ec2-user@ip-172-31-19-0 html]$ sudo chkconfig httpd on
```

- Using public ipv4 view output

```
EC2 Management Console x capgemini-sumanth-488252746 x 18.224.18.112 x +
← → ↻ ⓘ Not secure | 18.224.18.112 ☆ ⓘ ⋮
```

AutoScaling Demo



Creating Image of the Instance

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Reports, Limits, INSTANCES, IMAGES, ELASTIC BLOCK STORE, and Lifecycle Manager. The main content area displays a list of EC2 instances. The instance 'apache-sumanth' with ID 'i-03b0e05e89fd77618' is selected. The 'Actions' menu is open, showing options like 'Connect', 'Create Template From Instance', 'Launch More Like This', 'Instance State', 'Instance Settings', 'Image', 'Networking', and 'CloudWatch Monitoring'. The 'Image' option is expanded, showing 'Create Image' and 'Bundle Instance (instance store AMI)'. The instance details show it is in the 'us-east-2b' Availability Zone, 'running' state, with '2/2 checks ...' and 'None' alarm status. The public DNS is 'ec2-18-222-128-252.us-east-2.compute.amazonaws.com'.

The screenshot shows the 'Create Image' dialog box in the AWS Management Console. The dialog box contains the following fields and options:

- Instance ID:** i-03b0e05e89fd77618
- Image name:** sumanth-apache-image
- Image description:** (empty field)
- No reboot:** ☐

Instance Volumes:

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encrypted
Root	/dev/xvda	snap-040ce2c3f0d1a8f58	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

Total size of EBS Volumes: 8 GiB
When you create an EBS image, an EBS snapshot will also be created for each of the above volumes.

Cancel **Create Image**

EC2 Management Console

18.222.128.252

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:search=i-03b0e05e89fd77618:sort=tag:Name

aws Services Resource Groups

EC2 Dashboard

Events

Tags

Reports

Limits

INSTANCES

Instances

Launch Templates

Spot Requests

Reserved Instances

Dedicated Hosts

Capacity Reservations

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Snapshots

Lifecycle Manager

Launch Instance Connect Actions

search: i-03b0e05e89fd77618 Add filter

Name Instance ID Instance Type Availability Zone Instance State Status Checks Alarm Status Public DNS (IPv4)

ec2-18-222-128-252

Create Image

✓ Create Image request received.
[View pending image ami-0f496b77a5e430fd6](#)

Any snapshots backing your new EBS image can be managed on the [snapshots screen](#) after successful image creation.

Close

Instance: i-03b0e05e89fd77618 (apache-sumanth) Public DNS: ec2-18-222-128-252.us-east-2.compute.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID i-03b0e05e89fd77618 Public DNS (IPv4) ec2-18-222-128-252 us-east-

Feedback English (US)

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11:29 AM 11/21/2018

EC2 Management Console

18.222.128.252

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Images:sort=name

aws Services Resource Groups

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IMAGES

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Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Snapshots

Lifecycle Manager

Launch Actions

Owned by me Filter by tags and attributes or search by keyword

1 to 17 of 17

	Name	AMI Name	AMI ID	Source	Owner	Visibility	Status	Creation Date
<input type="checkbox"/>		alshay-apache...	ami-059fe3377c51cd048	644639328406/...	644639328406	Private	available	November 21, 2018 at 11:28...
<input type="checkbox"/>		Deepa-apache...	ami-061745373ecd226c0	644639328406/...	644639328406	Private	available	November 21, 2018 at 11:28...
<input type="checkbox"/>		hari-apache-ami	ami-0165c53a340e49c46	644639328406/...	644639328406	Private	available	November 21, 2018 at 11:28...
<input type="checkbox"/>		indu-apache-ami	ami-0a58be8e319f65974	644639328406/...	644639328406	Private	available	November 21, 2018 at 11:29...
<input type="checkbox"/>		kavya-apache...	ami-0e1dc13cf3ae44c9b	644639328406/...	644639328406	Private	available	November 21, 2018 at 11:29...
<input type="checkbox"/>		nidhi-apache-ami	ami-03ac02ba64df76705	644639328406/...	644639328406	Private	available	November 21, 2018 at 11:29...
<input type="checkbox"/>		pavan-chay-ap...	ami-0ca1a72927468049c	644639328406/...	644639328406	Private	available	November 21, 2018 at 11:29...
<input type="checkbox"/>		pavani-apache...	ami-027f713515bd19e64	644639328406/...	644639328406	Private	available	November 21, 2018 at 11:28...
<input type="checkbox"/>		radhadivya-ap...	ami-06aed1fac5a351c6a	644639328406/...	644639328406	Private	available	November 21, 2018 at 11:29...
<input type="checkbox"/>		shubh-apache...	ami-070c139267c774046	644639328406/...	644639328406	Private	available	November 21, 2018 at 11:29...

Select an AMI above

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Launch Configuration and Auto Scaling

The screenshot shows the AWS EC2 Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, INSTANCES, IMAGES, ELASTIC BLOCK STORE, and other services. The main content area shows a notification about Launch Templates, buttons for 'Create launch configuration', 'Create Auto Scaling group', and 'Copy to launch template'. Below these is a filter bar and a table header for launch configurations, but no configurations are listed. The bottom of the console shows a task bar with various application icons and system information.

• Choose My AMIs

The screenshot shows the 'Create Launch Configuration' wizard in the AWS EC2 Management Console. The '1. Choose AMI' step is active, displaying a list of available AMIs. The list includes Amazon Linux 2, Amazon Linux 2018.03.0, Red Hat Enterprise Linux 7.5, and SUSE Linux Enterprise Server 15. Each entry shows the AMI name, description, root device type, and virtualization type. A 'Select' button is provided for each AMI. The left sidebar shows the navigation menu, and the bottom of the console shows the task bar with various application icons and system information.

EC2 Management Console

18.222.128.252

+

https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateLaunchConfiguration:CreationFlowType=

aws

Services

Resource Groups

Sumanth2_bng @ 6446-3932-...

Ohio

Support

1. Choose AMI

2. Choose Instance Type

3. Configure details

4. Add Storage

5. Configure Security Group

6. Review

Create Launch Configuration

Root device type: ebs

Virtualization type: hvm

Owner: 644639328406

pavan-chay-apache-amo - ami-0ca1a72927468049c

Select

Root device type: ebs

Virtualization type: hvm

Owner: 644639328406

64-bit

vai-apache-ami - ami-0d16fd6b39de8814

Select

Root device type: ebs

Virtualization type: hvm

Owner: 644639328406

64-bit

kavya-apache-ami - ami-0e1dc13cf3ae44c9b

Select

Root device type: ebs

Virtualization type: hvm

Owner: 644639328406

64-bit

sumanth-apache-image - ami-0f496b77a5e430fd6

Select

Root device type: ebs

Virtualization type: hvm

Owner: 644639328406

64-bit

Cancel and Exit

Select

Feedback

English (US)

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EC2 Management Console

18.222.128.252

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https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateLaunchConfiguration:CreationFlowType=

aws

Services

Resource Groups

Sumanth2_bng @ 6446-3932-...

Ohio

Support

1. Choose AMI

2. Choose Instance Type

3. Configure details

4. Add Storage

5. Configure Security Group

6. Review

Create Launch Configuration

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.

Filter by:

All instance types

Current generation

Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate
<input checked="" type="checkbox"/>	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate

Cancel

Previous

Next: Configure details

Feedback

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EC2 Management Console

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https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateLaunchConfiguration:CreationFlowType=

aws

Services

Resource Groups

Sumanth2_bng @ 6446-3932-...

Ohio

Support

1. Choose AMI

2. Choose Instance Type

3. Configure details

4. Add Storage

5. Configure Security Group

6. Review

Create Launch Configuration

Name

Purchasing option

☐ Request Spot Instances

IAM role

Loading...

Monitoring

☐ Enable CloudWatch detailed monitoring

[Learn more](#)

Advanced Details

Later, if you want to use a different launch configuration, you can create a new one and apply it to any Auto Scaling group. Existing launch configurations cannot be edited.

Cancel

Previous

Skip to review

Next: Add Storage

Feedback

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https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateLaunchConfiguration:CreationFlowType=

aws

Services

Resource Groups

Sumanth2_bng @ 6446-3932-...

Ohio

Support

1. Choose AMI

2. Choose Instance Type

3. Configure details

4. Add Storage

5. Configure Security Group

6. Review

Create Launch Configuration

Name

sumanth-apache-ic

Purchasing option

☐ Request Spot Instances

IAM role

Loading...

Monitoring

☐ Enable CloudWatch detailed monitoring

[Learn more](#)

Advanced Details

Later, if you want to use a different launch configuration, you can create a new one and apply it to any Auto Scaling group. Existing launch configurations cannot be edited.

Cancel

Previous

Skip to review

Next: Add Storage

Feedback

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https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateLaunchConfiguration:CreationFlowType=

aws

Services

Resource Groups

Sumanth2_bng @ 6446-3932-...

Ohio

Support

1. Choose AMI

2. Choose Instance Type

3. Configure details

4. Add Storage

5. Configure Security Group

6. Review

Create Launch Configuration

Name

sumanth-apache-lc

Purchasing option

☐ Request Spot Instances

IAM role

Loading...

Monitoring

☐ Enable CloudWatch detailed monitoring

[Learn more](#)

Advanced Details

Later, if you want to use a different launch configuration, you can create a new one and apply it to any Auto Scaling group. Existing launch configurations cannot be edited.

Cancel

Previous

Skip to review

Next: Add Storage

Feedback

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https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateLaunchConfiguration:CreationFlowType=

aws

Services

Resource Groups

Sumanth2_bng @ 6446-3932-...

Ohio

Support

1. Choose AMI

2. Choose Instance Type

3. Configure details

4. Add Storage

5. Configure Security Group

6. Review

Create Launch Configuration

Name

sumanth-apache-lc

Purchasing option

☐ Request Spot Instances

IAM role

Loading...

Monitoring

☐ Enable CloudWatch detailed monitoring

[Learn more](#)

Advanced Details

Later, if you want to use a different launch configuration, you can create a new one and apply it to any Auto Scaling group. Existing launch configurations cannot be edited.

Cancel

Previous

Skip to review

Next: Add Storage

Feedback

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EC2 Management Console

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https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateLaunchConfiguration:CreationFlowType=

aws

Services

Resource Groups

Sumanth2_bng @ 6446-3932-...

Ohio

Support

1. Choose AMI

2. Choose Instance Type

3. Configure details

4. Add Storage

5. Configure Security Group

6. Review

Create Launch Configuration

☐

sg-005b2db503d749788

apache-prajwal-sg

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:37.556+05:30

Copy to new

☐

sg-00f5a96cfb45fed22

apache-preetham-sg

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:36.448+05:30

Copy to new

☐

sg-0b09b8b6953a13f89

apache-radhadivya-sg

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:39.850+05:30

Copy to new

☐

sg-099e7c75b1119e64c

apache-rtr-150

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:49.399+05:30

Copy to new

☐

sg-0d91f472517351da

apache-safura-sg

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:32.158+05:30

Copy to new

☐

sg-00432abeeb9defc35

apache-shubh-sg

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:32.118+05:30

Copy to new

☐

sg-0326775a06e0ebffc

apache-somesh-sg

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:32.538+05:30

Copy to new

☒

sg-09395bdb74d4d4c49

apache-sumanth-sg

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:33.716+05:30

Copy to new

☐

sg-04862eb9a856ee329

apache-unicorn-sg

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:34.672+05:30

Copy to new

☐

sg-075239f0c34552b0b

apache-vai-sg

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:37.263+05:30

Copy to new

☐

sg-05d172909d417b08a0

apache-vai-sg

vpc-e546788d

launch-wizard-21 created 2018-11-21T10:39:30.670+05:30

Copy to new

Inbound rules for sg-09395bdb74d4d4c49 Selected security groups: sg-09395bdb74d4d4c49.

Type	Protocol	Port Range	Source
HTTP	TCP	80	0.0.0.0/0
SSH	TCP	22	0.0.0.0/0

Cancel

Previous

Review

Feedback

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EC2 Management Console

18.222.128.252

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https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateLaunchConfiguration:CreationFlowType=

aws

Services

Resource Groups

Sumanth2_bng @ 6446-3932-...

Ohio

Support

1. Choose AMI

2. Choose Instance Type

3. Configure details

4. Add Storage

5. Configure Security Group

6. Review

Create Launch Configuration

Review the details of your launch configuration. You can return to any step at any time.

Improve security of instances launched from AMIs

Your instances may be accessible from the Internet. You can also open additional ports in your security groups.

sumanth-apache-image - ami

Root device type: ebs Virtualization Type: paravirtual

Instance Type

t2.micro

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Choose an existing key pair

Select a key pair

akshay

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

Cancel

Create launch configuration

sumanth-sg, is open to the world.

Edit security groups

Edit AMI

Edit instance type

Instance Storage (GiB)	EBS-Optimized Available	Network Performance
EBS only	-	Low to Moderate

Cancel

Previous

Create launch configuration

Feedback

English (US)

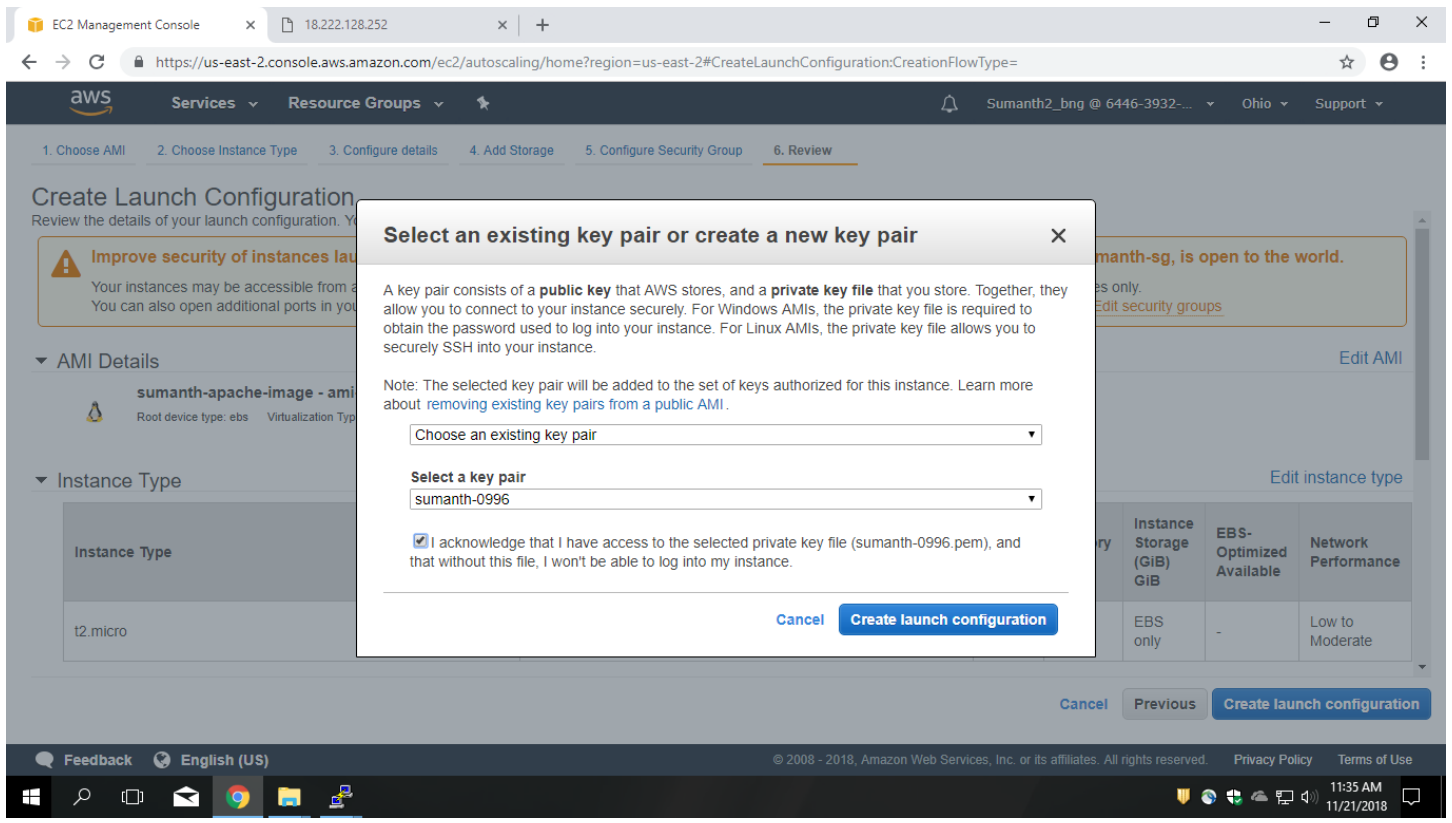
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11/21/2018



Launch configuration creation status

 **Successfully created launch configuration: sumanth-apache-1c**
[View creation log](#)

View

- [View your launch configurations](#)
- [View your Auto Scaling groups](#)

Here are some helpful resources to get you started

[Create an Auto Scaling group using this launch configuration](#) [Close](#)

EC2 Management Console

18.222.128.252

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← → ↻ https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#LaunchConfigurations:id=sumanth-apache-ic ☆ ⓘ ⋮

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ELASTIC BLOCK STORE

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Lifecycle Manager

📘 Launch Templates have arrived!

The EC2 Auto Scaling console now has full support for launch templates. Launch templates can be updated and versioned, and include support for the latest features of Amazon EC2. Create an Auto Scaling group to get started or [Learn more](#).

Create launch configuration

Create Auto Scaling group

Copy to launch template

Actions ▾

🔄 ⚙️ ⓘ

Filter: 🔍 Filter launch configurations... ✕

⏪ < 1 to 1 of 1 Launch Configurations > ⏩

<input type="checkbox"/>	Name ▴	AMI ID ▾	Instance Type ▾	Spot Price ▾	Creation Time ▾
<input checked="" type="checkbox"/>	sumanth-apac...	ami-0f496b77a...	t2.micro		November 21, 2018 at 11:35:10 ...

Launch Configuration: sumanth-apache-ic ⋮ ⏪ ⏩

Feedback ⓘ English (US)

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🔒 🌐 📶 🔊 🕒 11:35 AM 11/21/2018 🗨️

Creating Auto Scaling

- Select Your Instance and Create Auto Scaling Group

The screenshot shows the AWS EC2 Management Console interface. On the left is a navigation sidebar with categories like INSTANCES, IMAGES, and ELASTIC BLOCK STORE. The main content area displays a list of launch configurations. A notification banner at the top states 'Launch Templates have arrived!'. Below it, there are buttons for 'Create launch configuration', 'Create Auto Scaling group', 'Copy to launch template', and 'Actions'. The table lists various launch configurations, with 'sumanth-apache-ic' highlighted. The table columns include Name, AMI ID, Instance Type, Spot Price, and Creation Time.

	Name	AMI ID	Instance Type	Spot Price	Creation Time
<input type="checkbox"/>	somesh-apach...	ami-066a1b95...	t2.micro		November 21, 2018 at 11:35:21 ...
<input type="checkbox"/>	vai-apache-ic	ami-023c8dbf8...	t2.micro		November 21, 2018 at 11:35:16 ...
<input type="checkbox"/>	kavya-apache-ic	ami-0e1dc13cf...	t2.micro		November 21, 2018 at 11:35:16 ...
<input type="checkbox"/>	vaish-apache	ami-068683a3...	t2.micro		November 21, 2018 at 11:35:14 ...
<input type="checkbox"/>	Deepa-apache-ic	ami-06174537...	t2.micro		November 21, 2018 at 11:35:13 ...
<input type="checkbox"/>	unique-apache-ic	ami-023c8dbf8...	t2.micro		November 21, 2018 at 11:35:11 ...
<input checked="" type="checkbox"/>	sumanth-apac...	ami-0f496b77a...	t2.micro		November 21, 2018 at 11:35:10 ...
<input type="checkbox"/>	vignesh-apach...	ami-03c55257...	t2.micro		November 21, 2018 at 11:35:09 ...
<input type="checkbox"/>	pooja-apache-ic	ami-048d6213...	t2.micro		November 21, 2018 at 11:35:09 ...
<input type="checkbox"/>	alshay-apache-ic	ami-059fe3377...	t2.micro		November 21, 2018 at 11:35:09 ...

The screenshot shows the 'Create Auto Scaling Group' wizard in the AWS EC2 Management Console. The wizard is divided into five steps: 1. Configure Auto Scaling group details, 2. Configure scaling policies, 3. Configure Notifications, 4. Configure Tags, and 5. Review. The first step is active. The 'Group name' is set to 'sumanth_auto_scaling' and the 'Launch Configuration' is 'sumanth-apache-ic'. The 'Group size' is set to 'Start with 1 instances'. The 'Network' is set to 'vpc-e546788d (172.31.0.0/16) (default)'. The 'Subnet' dropdown is open, showing options like 'subnet-b09354fc (172.31.32.0/20) | Default in us-east-2c'. There are buttons for 'Create new VPC' and 'Create new subnet'. The 'Advanced Details' section is collapsed. At the bottom, there are 'Cancel' and 'Next: Configure scaling policies' buttons.

EC2 Management Console x 18.222.128.252 x +

https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateAutoScalingGroup:source=lc;launchConfigurationName=sumanth-apache-ic

aws Services Resource Groups Sumanth2_bng @ 6446-3932-... Ohio Support

1. Configure Auto Scaling group details 2. Configure scaling policies 3. Configure Notifications 4. Configure Tags 5. Review

Create Auto Scaling Group

Group name

Launch Configuration

Group size Start with instances

Network [Create new VPC](#)

Subnet

subnet-b09354fc(172.31.32.0/20) | Default in us-east-2c

subnet-594ed223(172.31.16.0/20) | Default in us-east-2b

subnet-bf1432d7(172.31.0.0/20) | Default in us-east-2a

[Create new subnet](#)

Each instance in this Auto Scaling group will be assigned a public IP address.

Advanced Details

[Cancel](#) [Next: Configure scaling policies](#)

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EC2 Management Console x 18.222.128.252 x +

https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateAutoScalingGroup:source=lc;launchConfigurationName=sumanth-apache-ic

aws Services Resource Groups Sumanth2_bng @ 6446-3932-... Ohio Support

1. Configure Auto Scaling group details 2. Configure scaling policies 3. Configure Notifications 4. Configure Tags 5. Review

Create Auto Scaling Group

You can optionally add scaling policies if you want to adjust the size (number of instances) of your group automatically. A scaling policy is a set of instructions for making such adjustments in response to an Amazon CloudWatch alarm that you assign to it. In each policy, you can choose to add or remove a specific number of instances or a percentage of the existing group size, or you can set the group to an exact size. When the alarm triggers, it will execute the policy and adjust the size of your group accordingly. [Learn more](#) about scaling policies.

☐ Keep this group at its initial size

☒ Use scaling policies to adjust the capacity of this group

Scale between and instances. These will be the minimum and maximum size of your group.

Scale Group Size

Name:

Metric type:

Target value:

Instances need: seconds to warm up after scaling

Disable scale-in: ☐

[Cancel](#) [Previous](#) [Review](#) [Next: Configure Notifications](#)

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- Click on Scale the auto scaling group using step or simple scaling policies

EC2 Management Console

18.222.128.252

https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateAutoScalingGroup:source=lc:launchConfigurationName=sumanth-apache-lc

aws Services Resource Groups

1. Configure Auto Scaling group details 2. Configure scaling policies 3. Configure Notifications 4. Configure Tags 5. Review

Create Auto Scaling Group

size. When the alarm triggers, it will execute the policy and adjust the size of your group accordingly. [Learn more](#) about scaling policies.

☐ Keep this group at its initial size

☒ Use scaling policies to adjust the capacity of this group

Scale between and instances. These will be the minimum and maximum size of your group.

Scale Group Size

Name:

Metric type:

Target value:

Instances need: seconds to warm up after scaling

Disable scale-in: ☐

[Scale the Auto Scaling group using step or simple scaling policies](#)

[Cancel](#) [Previous](#) [Review](#) [Next: Configure Notifications](#)

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- Click on Add New Alarm

EC2 Management Console

18.222.128.252

https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateAutoScalingGroup:source=lc:launchConfigurationName=sumanth-apache-lc

aws Services Resource Groups

1. Configure Auto Scaling group details 2. Configure scaling policies 3. Configure Notifications 4. Configure Tags 5. Review

Create Auto Scaling Group

☒ Use scaling policies to adjust the capacity of this group

Scale between and instances. These will be the minimum and maximum size of your group.

Increase Group Size

Name:

Execute policy when: [Add new alarm](#)

Take the action:

[Add step](#)

Instances need: seconds to warm up after each step

[Create a simple scaling policy](#)

Decrease Group Size

[Cancel](#) [Previous](#) [Review](#) [Next: Configure Notifications](#)

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EC2 Management Console | 18.222.128.252 | https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateAutoScalingGroup:source=lc;launchConfigurationName=sumanth-apache-ic

Services | Resource Groups | Sumanth2_bng @ 6446-3932-... | Ohio | Support

1. Configure Auto Scaling group details | 2. Configure scaling policies | 3. Configure Notifications | 4. Configure Tags | 5. Review

Create Auto Scaling Group

☐ Keep this group as is | ☒ Use scaling policy

Scale between 1 and 1

Increase Group Size

Name: sumanth-apache-ic

Execute policy when: No alarm selected

Take the action: Remove 0 instances

Instances need: 300 seconds to warm up after each step

Create a simple scaling policy

Create Alarm

You can use CloudWatch alarms to be notified automatically whenever metric data reaches a level you define. To edit an alarm, first choose whom to notify and then define when the notification should be sent.

☐ Send a notification to: No SNS topics found...

Whenever: Average of CPU Utilization

Is: >= 80 Percent

For at least: 1 consecutive period(s) of 5 Minutes

Name of alarm: sec2-sumanth-auto-scaling-CPU-Utilization-sumanth

CPU Utilization Percent

sumanth_auto_scaling

Cancel Create Alarm

Cancel Previous Review Next: Configure Notifications

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Services | Resource Groups | Sumanth2_bng @ 6446-3932-... | Ohio | Support

1. Configure Auto Scaling group details | 2. Configure scaling policies | 3. Configure Notifications | 4. Configure Tags | 5. Review

Create Auto Scaling Group

[Add step](#)

Instances need: 300 seconds to warm up after each step

[Create a simple scaling policy](#)

Decrease Group Size

Name: Decrease Group Size-sumanth

Execute policy when: No alarm selected [Add new alarm](#)

Take the action: Remove 0 instances

[Add step](#)

[Create a simple scaling policy](#)

Scale the Auto Scaling group using a target tracking scaling policy

Cancel Previous Review Next: Configure Notifications

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Services | Resource Groups | Sumanth2_bng @ 6446-3932-... | Ohio | Support

1. Configure Auto Scaling group details | 2. Configure scaling policies | 3. Configure Notifications | 4. Configure Tags | 5. Review

Create Auto Scaling Group

Instances need: 10 seconds to warm up after each step

Create a simple scaling policy (i)

Decrease Group Size

Name: Decrease Group Size-sumanth

Execute policy when: awsec2-sumanth-auto-scaling-High-CPU-Utilization-sumanth Edit Remove
breaches the alarm threshold: CPUUtilization <= 30 for 300 seconds
for the metric dimensions AutoScalingGroupName = sumanth_auto_scaling

Take the action: Remove 1 instances when 30 >= CPUUtilization > -infinity
Add step (i)

Create a simple scaling policy (i)

Scale the Auto Scaling group using a target tracking scaling policy (i)

Create Alarm

You can use CloudWatch alarms to be notified automatically whenever metric data reaches a level you define.
To edit an alarm, first choose whom to notify and then define when the notification should be sent.

☐ Send a notification to: No SNS topics found...

Whenever: Average of CPU Utilization

Is: <= 30 Percent

For at least: 1 consecutive period(s) of 5 Minutes

Name of alarm: sumanth-auto-scaling-High-CPU-Utilization-sumanth

CPU Utilization Percent

Cancel Create Alarm

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EC2 Management Console | 18.222.128.252 | <https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateAutoScalingGroup:source=lc&launchConfigurationName=sumanth-apache-ic>

Services | Resource Groups | Sumanth2_bng @ 6446-3932-... | Ohio | Support

1. Configure Auto Scaling group details | 2. Configure scaling policies | 3. Configure Notifications | 4. Configure Tags | 5. Review

Create Auto Scaling Group

Instances need: 10 seconds to warm up after each step

Create a simple scaling policy (i)

Decrease Group Size

Name: Decrease Group Size-sumanth

Execute policy when: awsec2-sumanth-auto-scaling-High-CPU-Utilization-sumanth Edit Remove
breaches the alarm threshold: CPUUtilization <= 30 for 300 seconds
for the metric dimensions AutoScalingGroupName = sumanth_auto_scaling

Take the action: Remove 1 instances when 30 >= CPUUtilization > -infinity
Add step (i)

Create a simple scaling policy (i)

Scale the Auto Scaling group using a target tracking scaling policy (i)

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EC2 Management Console

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https://us-east-2.console.aws.amazon.com/ec2/autoscaling/home?region=us-east-2#CreateAutoScalingGroup:source=lc;launchConfigurationName=sumanth-apache-lc

aws

Services

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1. Configure Auto Scaling group details

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5. Review

Create Auto Scaling Group

Configure your Auto Scaling group to send notifications to a specified endpoint, such as an email address, whenever a specified event takes place, including: successful launch of an instance, failed instance launch, instance termination, and failed instance termination.

If you created a new topic, check your email for a confirmation message and click the included link to confirm your subscription. Notifications can only be sent to confirmed addresses.

Add notification

Cancel

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aws

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Create Auto Scaling Group

A tag consists of a case sensitive key-value pair that you can use to identify your group. For example, you could define a tag with Key = Environment and Value = Production. You can optionally choose to apply these tags to instances in the group when they launch. [Learn more](#).

Key	Value	Tag New Instances
Name	ASG_sumanth	<input checked="" type="checkbox"/>

Add tag 49 remaining

Cancel

Previous

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Services | Resource Groups | Sumanth2_bng @ 6446-3932-... | Ohio | Support

1. Configure Auto Scaling group details | 2. Configure scaling policies | 3. Configure Notifications | 4. Configure Tags | 5. Review

Create Auto Scaling Group

Group name	sumanth_auto_scaling
Group size	1
Minimum Group Size	1
Maximum Group Size	2
Subnet(s)	subnet-b09354fc, subnet-594ed223, subnet-bf1432d7
Health Check Grace Period	300
Detailed Monitoring	No
Instance Protection	None
Service-Linked Role	AWSServiceRoleForAutoScaling

▼ Scaling Policies [Edit scaling policies](#)

Increase Group Size-sumanth With alarm = awsec2-sumanth-auto-scaling-CPU-Utilization-sumanth; Add 1 instances and 10 seconds for instances to warm up

Decrease Group Size-sumanth With alarm = awsec2-sumanth-auto-scaling-High-CPU-Utilization-sumanth; Remove 1 instances

▼ Notifications [Edit notifications](#)

▼ Tags [Edit tags](#)

Name	ASG_sumanth	tag new instances
------	-------------	-------------------


[Cancel](#) [Previous](#) [Create Auto Scaling group](#)

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Services | Resource Groups | Sumanth2_bng @ 6446-3932-... | Ohio | Support

Auto Scaling group creation status

 **Successfully created Auto Scaling group**
[View creation log](#)

▼ View

- [View your Auto Scaling groups](#)
- [View your launch configurations](#)

► Here are some helpful resources to get you started

[Close](#)

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The screenshot shows the AWS Management Console interface. On the left is a navigation menu with categories like EC2 Dashboard, INSTANCES, IMAGES, and ELASTIC BLOCK STORE. The main content area displays the 'Auto Scaling Group: sumanth_auto_scaling' details. At the top, there's a 'Create Auto Scaling group' button and a filter bar. Below the filter, a table lists the group's details: Name (sumanth_auto...), Launch Configuration (sumanth-apache-ic), Instances (1), Desired (1), Min (1), Max (2), Availability Zones (us-east-2a, us-east-2b, us-east-2c), Default Cooldown (300), and Health Check Grace Period (300). The 'Details' tab is selected, showing configuration parameters like Launch Configuration, Availability Zone(s), Subnet(s), Classic Load Balancers, Target Groups, Health Check Type, Health Check Grace Period, and Instance Protection.

- Actions->Edit
- Add Created Classic Loader Balancer (ELB)

This screenshot shows the 'Edit details - sumanth_auto_scaling' dialog box overlaid on the console. The dialog allows for modifying the group's configuration. Fields include:

- Min:** 1
- Max:** 2
- Availability Zone(s):** us-east-2a, us-east-2b, us-east-2c
- Subnet(s):** subnet-b09354fc (172.31.32.0/20), subnet-594ed223 (172.31.16.0/20), subnet-bf1432d7 (172.31.0.0/20)
- Classic Load Balancers:** capgemini-sumanth
- Target Groups:** (empty field)
- Health Check Type:** EC2
- Health Check Grace Period:** EC2
- Instance Protection:** (checkbox, currently unchecked)
- Termination Policies:** Default

 At the bottom of the dialog are 'Cancel' and 'Save' buttons. The background shows the same console interface as the first screenshot, but with the dialog box open.

- Navigate To Load Balancers

The screenshot shows the AWS Management Console interface. On the left, the navigation pane is visible with categories like SECURITY, LOAD BALANCING, and AUTO SCALING. The 'Load Balancers' link is selected. The main content area displays a table of load balancers. The 'capgemini-sumanth' load balancer is highlighted. An 'Actions' dropdown menu is open over this load balancer, with 'Edit health check' being the selected option. Below the table, the 'Basic Configuration' section for 'capgemini-sumanth' is visible, showing details like Name, DNS name, Type (Classic), and Scheme (internet-facing).

- Change Ping Path to “/index.html”

This screenshot shows the 'Configure Health check' dialog box in the AWS Management Console. The dialog provides instructions on how health checks work and allows for customization. Under the 'Basic Configuration' section, the 'Ping Protocol' is set to 'HTTP', the 'Ping Port' is '80', and the 'Ping Path' is '/myapp/index.js'. The 'Advanced Details' section shows 'Response Timeout' at 2 seconds, 'Interval' at 30 seconds, 'Unhealthy threshold' at 2, and 'Healthy threshold' at 2. 'Cancel' and 'Save' buttons are at the bottom right of the dialog.

EC2 Management Console x 18.222.128.252 x EC2 Management Console x +

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LoadBalancers:sort=loadBalancerName

aws Services Resource Groups

Security Groups Elastic IPs Placement Groups Key Pairs Network Interfaces

LOAD BALANCING

Load Balancers

Target Groups

AUTO SCALING

Launch Configurations Auto Scaling Groups

SYSTEMS MANAGER SERVICES

Run Command State Manager Configuration Compliance Automations Patch Compliance Patch Baselines

Create Load Balancer Actions

Filter by tags and attributes or search by keyword

1 to 19 of 19

Name DNS name State VPC ID Availability Zones Type

Edit listeners

The following listeners are currently configured for this load balancer:

Load Balancer Protocol	Load Balancer Port	Instance Protocol	Instance Port	Cipher	SSL Certificate
HTTP	80	HTTP	80	N/A	N/A

Add

Cancel Save

HTTP 80 HTTP 8080 N/A N/A

Edit

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aws Services Resource Groups

Security Groups Elastic IPs Placement Groups Key Pairs Network Interfaces

LOAD BALANCING

Load Balancers

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Create Load Balancer Actions

Filter by tags and attributes or search by keyword

1 to 19 of 19

Name DNS name State VPC ID Availability Zones Type

Edit listeners

Updating existing listeners

Removed listener on port: 80.
Create listener on port: 80.
Set policy for port: 80.

✓ Finished updating listeners.
Your listeners have been successfully updated.

Close

us-east-2a, us-east-2b, ... classic

us-east-2a, us-east-2b, ... classic

us-east-2a, us-east-2b, ... classic

us-east-2a, us-east-2b, ... classic

us-east-2a, us-east-2b, ... classic

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