

Launch an EC2 instance

Instances (1/3) [Info](#)

Instance state **Running**

Clear filters

Refresh

Connect

Instance state ▼

Actions ▼

Launch instances ▼

	Name ▼	Instance ID	Instance state ▼	Instance type ▼	Status check	Alarm status	Availability Zone ▼	Public IPv4 DNS ▼	Public IPv4 ... ▼	Elastic IP
<input type="checkbox"/>	july	i-0a028f7eb814c0403	Running	t2.micro	2/2 checks passed	No alarms +	ap-southeast-2a	ec2-54-252-196-76.ap-...	54.252.196.76	–
<input checked="" type="checkbox"/>	july	i-035be7a5d19949a55	Running	t2.micro	2/2 checks passed	No alarms +	ap-southeast-2a	ec2-13-211-219-80.ap-...	13.211.219.80	–
<input type="checkbox"/>	july	i-0fb3be38b604e85a6	Running	t2.micro	2/2 checks passed	No alarms +	ap-southeast-2c	ec2-3-26-93-231.ap-so...	3.26.93.231	–

Instance: i-035be7a5d19949a55 (july)

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

▼ Instance summary [Info](#)

Instance ID

i-035be7a5d19949a55 (july)

IPv6 address

–

Hostname type

IP name: ip-172-31-1-93.ap-southeast-2.compute.internal

Answer private resource DNS name

IPv4 (A)

Public IPv4 address

13.211.219.80 | [open address](#)

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-1-93.ap-southeast-2.compute.internal

Instance type

t2.micro

Private IPv4 addresses

172.31.1.93

Public IPv4 DNS

ec2-13-211-219-80.ap-southeast-2.compute.amazonaws.com | [open address](#)

Elastic IP addresses

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Launch a template of EC2 instance

EC2 > Launch templates

Launch templates (1/1) [Info](#)

Filter by tags or properties or search by keyword

< 1 >

⚙

Launch template ID	Launch template name	Default version	Latest version	Create time
lt-07dfd835c265e42de	julytemplate	1	1	2023-07-26T05:11:55.000Z

julytemplate (lt-07dfd835c265e42de)

⚙

✕

Launch template details

Actions

Delete template

Launch template ID lt-07dfd835c265e42de	Launch template name julytemplate	Default version 1	Owner arn:aws:iam::575985090463:root
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Create a load balancer

Create Load Balancer

Actions ▾






Filter by tags and attributes or search by keyword

1 to 1 of 1

Name	DNS name	State	VPC ID	Availability Zones	Type	Created At	Monitoring
july	july-1657813061.ap-southea...	Active	vpc-00589602bfb6615d3	ap-southeast-2b, ap-so...	application	July 26, 2023 at 10:52:42 A...	

After that create a target group for EC2

[Create target group](#) Actions ▾

⏪ ⏴ 1 to 1 of 1 ⏵ ⏩

<input type="checkbox"/>	Name	Port	Protocol	Target type	Load Balancer	VPC ID	Monitoring
<input type="checkbox"/>	july	80	HTTP	instance	july	vpc-00589602bfb6615d3	<input type="checkbox"/>

After creating autoscaling group see the state of it

EC2 > Auto Scaling groups > 24k

24k

[Details](#) | [Activity](#) | [Automatic scaling](#) | [Instance management](#) | [Monitoring](#) | [Instance refresh](#)

Group details

Edit

Auto Scaling group name 24k	Desired capacity 2	Status -	Amazon Resource Name (ARN) arn:aws:autoscaling:ap-southeast-2:575985090463:autoScalingGroup:2b79deec-3981-4961-8be0-6635e1522714:autoScalingGroupName/24k
Date created Wed Jul 26 2023 10:46:56 GMT+0530 (India Standard Time)	Minimum capacity 2		
	Maximum capacity 4		

Launch template

Edit

Launch template lt-07dfd835c265e42de julytemplate	AMI ID ami-05c3b6a7b33d2952c	Instance type t2.micro	Owner arn:aws:iam::575985090463:root
Version Default	Security groups -	Security group IDs sg-0ad56dab26c0086e2	Create time Wed Jul 26 2023 10:41:55 GMT+0530 (India Standard Time)
Description -	Storage (volumes) -	Key pair name my keypair	Request Spot Instances No

[View details in the launch template console](#)

Creating auto scaling group

EC2 > Auto Scaling groups

Auto Scaling groups (1/1) [Info](#)

[Refresh](#) [Launch configurations](#) [Launch templates](#) [Actions](#) [Create Auto Scaling group](#)

< 1 > [Settings](#)

<input checked="" type="checkbox"/>	Name ▾	Launch template/configuration ↗ ▾	Instances ▾	Status ▾	Desired capacity ▾	Min ▾	Max ▾	Availability Zones ▾
<input checked="" type="checkbox"/>	24k	julytemplate Version Default	2	-	2	2	4	ap-southeast-2b, ap-southeast-...

Create cloudwatch alarm

CloudWatch > Alarms

Alarms (4) ☐ Hide Auto Scaling alarms Clear selection Refresh Create composite alarm Actions ▼ Create alarm

Any state ▼ Any type ▼ Any actions ... ▼ < 1 > ⚙

<input type="checkbox"/>	Name ▼	State ▼	Last state update ▼	Conditions	Actions ▼
<input type="checkbox"/>	app overload noti	✔ OK	2023-07-26 06:38:35	CPUUtilization >= 40 for 1 datapoints within 1 minute	✔ Actions enabled
<input type="checkbox"/>	mahbubnagar app overload	⌚ Insufficient data	2023-07-26 05:58:31	scale out >= 40 for 1 datapoints within 1 minute	✔ Actions enabled
<input type="checkbox"/>	TargetTracking-24k-AlarmLow-0d4d322d-8be7-4886-a0b5-3a84d0764101	⚠ In alarm	2023-07-26 05:32:23	CPUUtilization < 210 for 15 datapoints within 15 minutes	✔ Actions enabled
<input type="checkbox"/>	TargetTracking-24k-AlarmHigh-8fbd4b2a-97ab-4f59-a9eb-f8c7e12c4ed4	✔ OK	2023-07-26 05:21:08	CPUUtilization > 300 for 3 datapoints within 3 minutes	✔ Actions enabled

Create a notification using SNS

Amazon SNS > Topics > myjulysns

myjulysns

Edit

Delete

Publish message

Details

Name
myjulysns

ARN
arn:aws:sns:ap-southeast-2:575985090463:myjulysns

Type
Standard

Display name
myjulysns

Topic owner
575985090463

Subscriptions

Access policy

Data protection policy

Delivery policy (HTTP/S)

Delivery status logging

Encryption

Tags

Integrations

Subscriptions (1)

Edit

Delete

Request confirmation

Confirm subscription

Create subscription

Search

< 1 > ⚙

	ID	Endpoint	Status	Protocol
<input type="radio"/>	Deleted	mohammadtameem0@gmail.com	✔ Confirmed	EMAIL

Go to cloud watch metrics page & see cpu utilization

CloudWatch > Alarms > TargetTracking-24k-AlarmHigh-8fbd4b2a-97ab-4f59-a9eb-f8c7e12c4ed4

Alarms (4)

Any state

Any type

Any actions status

☐ Hide Auto Scaling alarms

< 1 >

app overload noti
Metric alarm
Insufficient data

mahbubnagar app overload
Metric alarm
Insufficient data

TargetTracking-24k-AlarmLow-0d4d322d-8be7-4886-a0b5-3a84d0764101
Metric alarm
In alarm

TargetTracking-24k-AlarmHigh-8fbd4b2a-97ab-4f59-a9eb-f8c7e12c4ed4
Metric alarm
OK

TargetTracking-24k-AlarmHigh-8fbd4b2a-97ab-4f59-a9eb-f8c7e12c4ed4

Graph

CPUUtilization

CPUUtilization > 300 for 3 datapoints within 3 minutes

Percent

300

150

0.132

03:45 04:00 04:15 04:30 04:45 05:00 05:15 05:30 05:45 06:00 06:15 06:30

CPUUtilization

Click timeline to see the state change at the selected time.

3:45 4:00 4:15 4:30 4:45 5:00 5:15 5:30 5:45 6:00 6:15 6:30

In alarm OK Insufficient data Disabled actions

Details

Tags

Actions

History

Parent alarms

Details

Name	TargetTracking-24k-AlarmHigh-8fbd4b2a-	State	OK	Namespace	AWS/EC2	Datapoints to alarm	3 out of 3
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