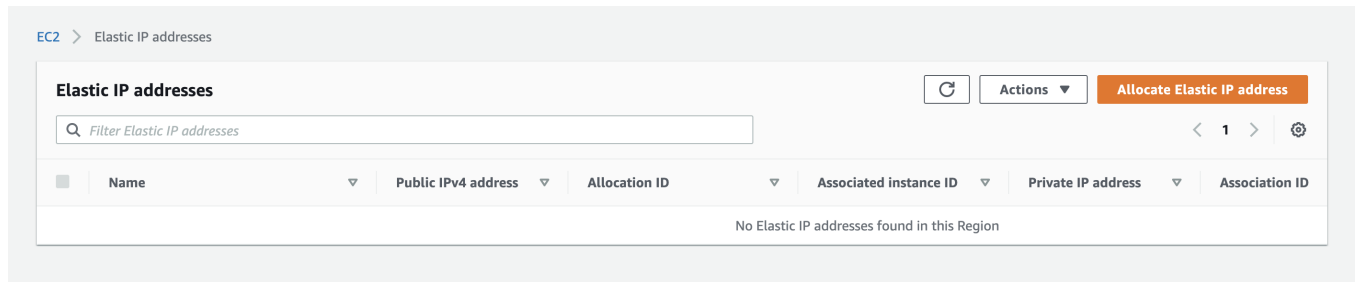


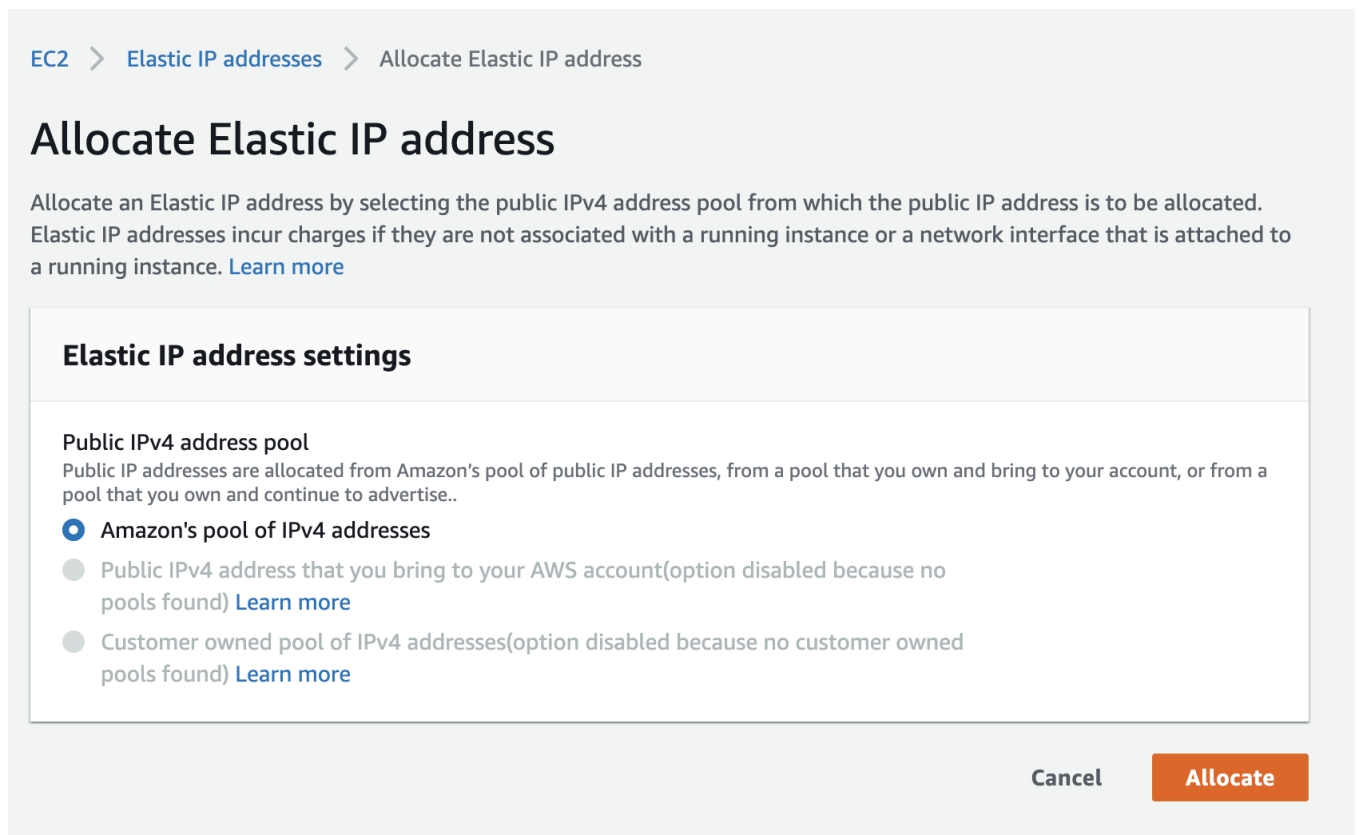
By default, EC2 instances do not get a public IP address. Even If you do assign an automatic public IP address in the Launch Wizard, the address will change on the next restart.

Elastic IP is a way to maintain the same external public IP address for an Instance or application.


From the EC2 console sidebar menu, under the **Network & Security** section click on **Elastic IPs** .



Click on the **Allocate Elastic IP Address** button to allocate a new IP address out of the AWS IPv4 pool.



Click on the **Allocate** button.

 Elastic IP address allocated.
Elastic IP address 34.196.229.190

Associate this Elastic IP address

×

EC2 > Elastic IP addresses

Elastic IP addresses (1/1)

Filter Elastic IP addresses

Public IPv4 address: 34.196.229.190

Clear filters

⌂

Actions

Allocate Elastic IP address

< 1 > ⚙

<input checked="" type="checkbox"/>	Name	Public IPv4 address	Allocation ID	Associated instance ID	Private IP address	Association ID
<input checked="" type="checkbox"/>		34.196.229.190	eipalloc-0b1229122febd7cc9	-	-	-

The newly-created Elastic IP address is not associated with any instance. Click on the **Associate this Elastic IP address** button, or select it and from the **Actions** dropdown and choose **Associate Elastic IP Address**.

In the next window, in the instance field, select the instance with which you want to associate the Elastic IP address.

EC2 > Elastic IP addresses > Associate Elastic IP address

Associate Elastic IP address

Choose the instance or network interface to associate to this Elastic IP address (34.196.229.190)


Elastic IP address: 34.196.229.190

Resource type

Choose the type of resource with which to associate the Elastic IP address.

☒ Instance

☐ Network interface

 If you associate an Elastic IP address to an instance that already has an Elastic IP address associated, this previously associated Elastic IP address will be disassociated but still allocated to your account. [Learn more.](#)

Instance

×

↺

Private IP address

The private IP address with which to associate the Elastic IP address.

Reassociation

Specify whether the Elastic IP address can be reassociated with a different resource if it already associated with a resource.

☐ Allow this Elastic IP address to be reassociated

Cancel

Associate

Elastic IP address associated.

Elastic IP address 34.196.229.190

EC2 > Elastic IP addresses

Elastic IP addresses (1/1)

Filter Elastic IP addresses

Public IPv4 address: 34.196.229.190 X

Clear filters

Actions

Allocate Elastic IP address

< 1 >

<input checked="" type="checkbox"/>	Name	Public IPv4 address	Allocation ID	Associated instance ID	Private IP address	Association ID
<input checked="" type="checkbox"/>		34.196.229.190	eipalloc-0b1229122febd7cc9	i-01c8c94257b83b5cc	172.31.39.198	eipassoc-0cc6a94

Once the instance is associated, you can click on **Associated Instance ID** to see the instance's details. On that screen, you can see the Elastic IP next to the instance ID. You can also verify that the Elastic IP address is the same as the instance's IPv4 Public IP.

Instance: [i-01c8c94257b83b5cc](#) Elastic IP: 34.196.229.190

Description

Status Checks

Monitoring

Tags

Instance ID

i-01c8c94257b83b5cc

Instance state

running

Instance type

t2.micro

Public DNS (IPv4)

ec2-34-196-229-190.compute-1.amazonaws.com

IPv4 Public IP

34.196.229.190

Private IP

172.31.39.198