

# AWS Cloud Training By Mr. Mahendran Selvakumar



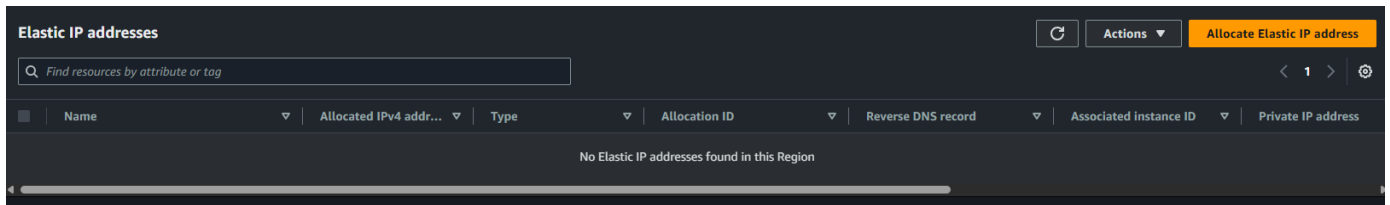
## Elastic IP Address



By:  
Saran S

# Creating an Elastic IP Addresses

1. Click **Allocate Elastic IP Address** to create an Elastic IP



2. Select the region you want and Click **Allocate**

EC2 > Elastic IP addresses > Allocate Elastic IP address

## Allocate Elastic IP address [Info](#)

### Elastic IP address settings [Info](#)

**Public IPv4 address pool**

- ☒ Amazon's pool of IPv4 addresses
- ☐ Public IPv4 address that you bring to your AWS account with BYOIP. (option disabled because no pools found) [Learn more](#)
- ☐ Customer-owned pool of IPv4 addresses created from your on-premises network for use with an Outpost. (option disabled because no customer owned pools found) [Learn more](#)
- ☐ Allocate using an IPv4 IPAM pool (option disabled because no public IPv4 IPAM pools with AWS service as EC2 were found)

**Network border group [Info](#)**

Q ap-southeast-1 X

**Global static IP addresses**

AWS Global Accelerator can provide global static IP addresses that are announced worldwide using anycast from AWS edge locations. This can help improve the availability and latency for your user traffic by using the Amazon global network. [Learn more](#)

Create accelerator

### Tags - optional

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.

No tags associated with the resource.

Add new tag

You can add up to 50 more tag

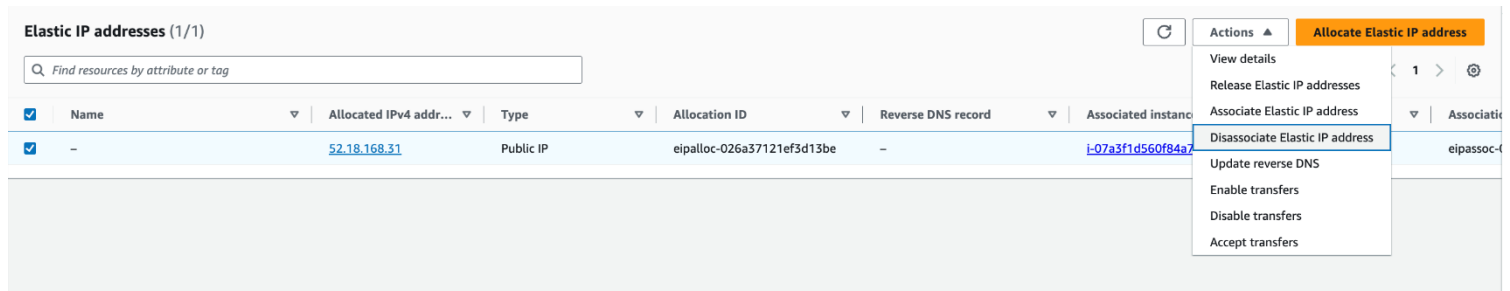
Cancel Allocate

## Manage Elastic IP Addresses

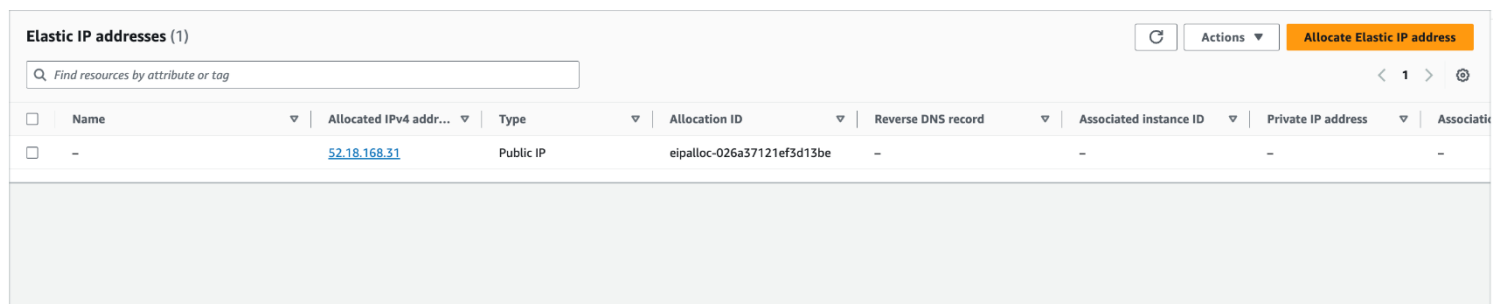
After Creating an Elastic IP Address

### To Disassociate Elastic IP:

1. Select the Elastic IP and Click **Actions** → **Disassociate Elastic IP Address** to detach it from a EC2 Instance

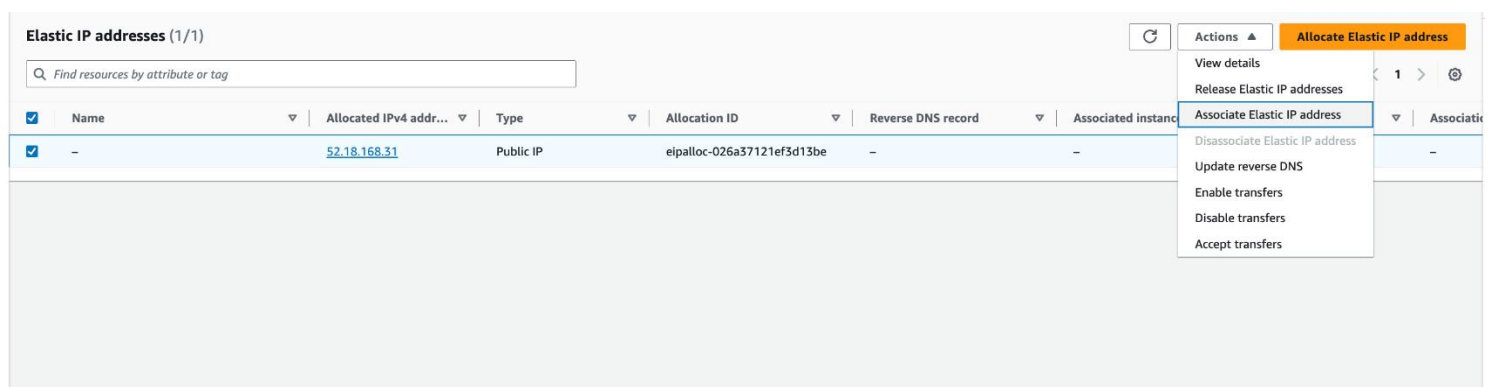


This is how it looks after disassociating the Elastic IP,



### To Associate Elastic IP Address:

1. Select the Elastic IP and Click **Actions** → **Associate Elastic IP Address** to assign it to a EC2 Instance



2. Enter the **Instance ID** of the EC2 Instance that you want to assign the Elastic IP to

[EC2](#) > [Elastic IP addresses](#) > [Associate Elastic IP address](#)

### Associate Elastic IP address<sup>Info</sup>

Choose the instance or network interface to associate to this Elastic IP address (52.18.168.31)

**Elastic IP address: 52.18.168.31**

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

If no private IP address is specified, the Elastic IP address will be associated with the primary private IP address.

**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

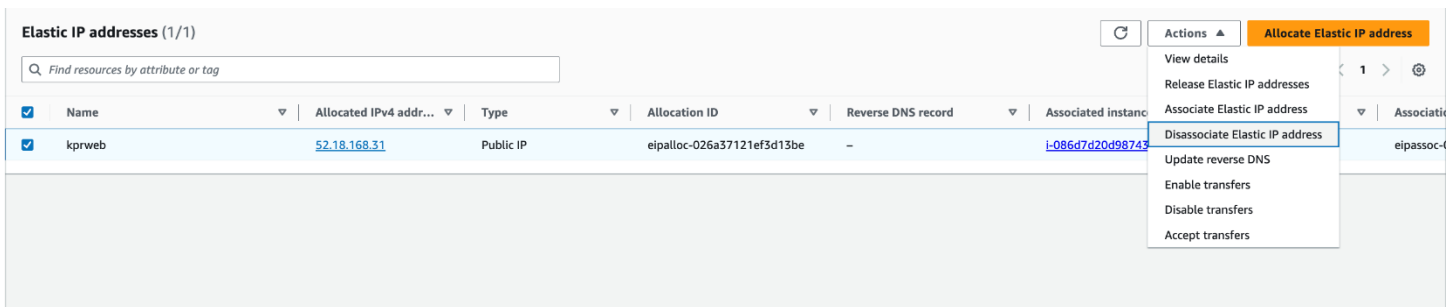
Associate

Elastic IP addresses (1)									
<div><input type="text" value="Find resources by attribute or tag"/></div> <div><div>Public IPv4 address: 52.18.168.31</div><div>Clear filters</div></div>									
<div>&lt; 1 &gt; </div>									
<input type="checkbox"/>	Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record	Associated instance ID	Private IP address	Associations	
<input type="checkbox"/>	-	<a href="#">52.18.168.31</a>	Public IP	eipalloc-026a37121ef3d13be	-	<a href="#">i-086d7d20d9874351a</a>	172.31.36.124	eipassoc-0	

After Assigning,

## To Release/Delete Elastic IP

1. Select the Elastic IP Address and Click **Actions** → **Disassociate Elastic IP Address**

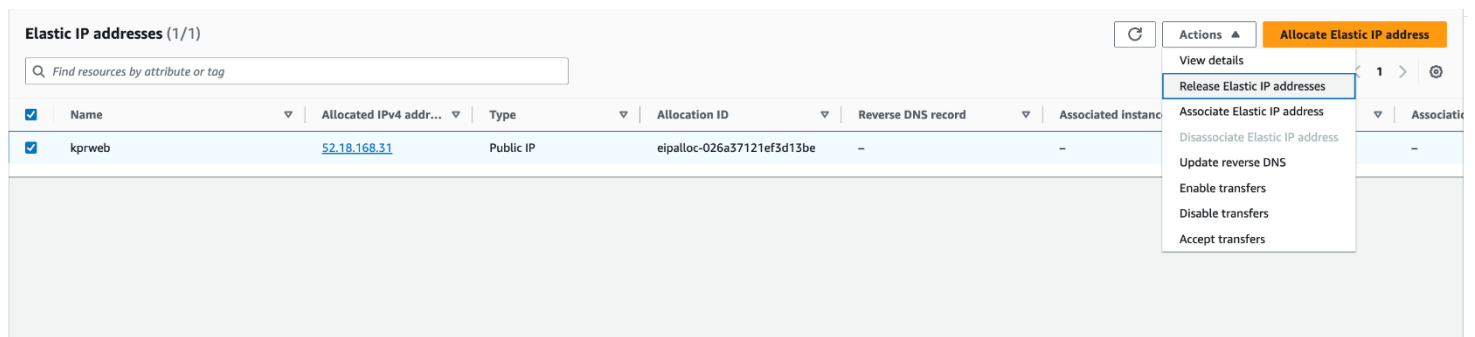


The screenshot shows the AWS Elastic IP addresses console. A table lists one Elastic IP address named 'kprweb' with the allocated IPv4 address '52.18.168.31'. The 'Actions' menu is open, and 'Disassociate Elastic IP address' is highlighted.

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record	Associated instance
kprweb	52.18.168.31	Public IP	eipalloc-026a37121ef3d13be	-	i-086d7d20d98743...

**Note:** Disassociate Elastic IP Address before Releasing an Elastic IP

5. Select the Elastic IP Address and Click **Actions** → **Release Elastic IP Address**.



The screenshot shows the AWS Elastic IP addresses console. The 'Release Elastic IP addresses' action is highlighted in the 'Actions' menu.

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record	Associated instance
kprweb	52.18.168.31	Public IP	eipalloc-026a37121ef3d13be	-	-

Elastic IP addresses released.  
Elastic IP addresses 52.18.168.31

Elastic IP addresses

Find resources by attribute or tag

< 1 >

Name

Allocated IPv4 address

Type

Allocation ID

Reverse DNS record

Associated instance ID

Private IP address

Associated instance ID

No Elastic IP addresses found in this Region

Allocate Elastic IP address

Click **Release** to confirm the action

Release Elastic IP addresses

Will be released

If you release the following Elastic IP addresses, they will no longer be allocated to your account and you can no longer associate them with your resources.

Name	IPv4 address	Allocation ID	Address type
kprweb	52.18.168.31	eipalloc-026a37121ef3d13be	Public

Cancel

Release

After Releasing the Elastic IP Address,