

# How to Associate and Disassociate an Elastic IP to an EC2 Instance

1. Go to the [AWS Console](#) and select the EC2 Service. It will list the AWS dashboard. It lists the current running instances, snapshots and elastic IPs. Click on the “Running Instance” link or the “Instances” link in the left navigation menu.

**EC2 Dashboard**

**INSTANCES**

- Instances
- Spot Requests
- Reserved Instances

**IMAGES**

- AMIs
- Bundle Tasks

**ELASTIC BLOCK STORE**

- Volumes
- Snapshots

**NETWORK & SECURITY**

- Security Groups
- Elastic IPs
- Placement Groups
- Load Balancers
- Key Pairs
- Network Interfaces

**Getting Started**

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

[Launch Instance](#)

Note: Your instances will launch in the **us-west-2** region.

**Service Health**

Service Status

Current Status	Details
Amazon EC2 (US West - Oregon)	Service is operating normally. <a href="#">View complete service health details</a>

Availability Zone Status

Current Status	Details
us-west-2a	Availability zone is operating normally
us-west-2b	Availability zone is operating normally
us-west-2c	Availability zone is operating normally

**My Resources**

You are using the following Amazon EC2 resources in the **us-west-2** region:

- 1 Running Instance**
- 1 Elastic IP**
- 4 EBS Volumes
- 7 EBS Snapshots
- 2 Key Pairs
- 0 Load Balancers
- 0 Placement Groups
- 8 Security Groups

**Events**

US West (Oregon): 1 volume has IO disabled

**Related Links**

- Getting Started Guide
- Documentation
- All EC2 Resources
- Find software on AWS Marketplace
- Forums
- Feedback
- Report an Issue

2. The [EC2 Instances](#) dashboard displays all the instances of that region. When the instance is launched, AWS assigns a public IP to the instance.

**Launch Instance** **Actions**

Viewing: **Running Instances** | All Instance Types

Name	Instance	AMI ID	Root Device	Type	State	Status Checks	Alarm Status	Monitor
i-81435db2	i-81435db2	ami-20d75f10	ebs	t1.micro	running	2/2 checks passed	none	<a href="#">detail</a>

**1 EC2 Instance selected.**

**EC2 Instance:** i-81435db2

**ec2-50-112-58-226.us-west-2.compute.amazonaws.com**

**Description** **Status Checks** **Monitoring** **Tags**

**AMI:** AWS\_Apache\_App\_AMI (ami-20d75f10)

**Zone:** us-west-2c

**Type:** t1.micro

**Scheduled Events:** No scheduled events

**Alarm Status:** none

**Security Groups:** quick-start-1, [view rules](#)

**State:** running

**Owner:**

3. Go to Elastic IP dashboard by clicking on the “Elastic IP” in step#1. It lists all the Elastic IPs of that region. Select an elastic IP to be assigned to the instance and click on the “Associate Address” button.

Allocate New Address   Release Address   **Associate Address**   Disassociate Address

Viewing: All Addresses

	Address	Instance ID	ENI ID	Scope	Public DNS
<input checked="" type="checkbox"/>	54.245.225.250			standard	

4. It asks for the instance which will be associated with this IP. Select the instance from the list and click on “Yes, Associate”.

**Associate Address** Cancel

Select the instance to which you wish to associate this IP address (54.245.225.250).

Instance:

Cancel **Yes, Associate**

5. It will associate the elastic IP to that instance. Go to Instance dashboard and select the instance. The IP of the instance is updated to the elastic IP.

Launch Instance   Actions

Viewing: Running Instances   All Instance Types   1 to 1 of 1 Instances

Name	Instance	AMI ID	Root Device	Type	State	Status Checks	Alarm Status
AWS Linux Instance 1	i-81435db2	ami-20d75f10	ebs	t1.micro	running	2/2 checks passed	none

1 EC2 Instance selected.

EC2 Instance:  54.245.225.250

Description   Status Checks   Monitoring   Tags

AMI:	AWS_Apache_App_AMI (ami-20d75f10)	Alarm Status:	none
Zone:	us-west-2c	Security Groups:	quick-start-1, view rules
Type:	t1.micro	State:	running
Scheduled Events:	No scheduled events	Owner:	

6. To disassociate the instance, select the instance and click on “Disassociate IP Address” from the Actions menu.

The screenshot shows the AWS Management Console interface. At the top, there is a 'Launch Instance' button and an 'Actions' dropdown menu. The 'Actions' menu is open, displaying a list of actions under 'Instance Management'. The 'Disassociate IP Address' option is highlighted with a red box. Below the 'Actions' menu, there is a table of instances. The first instance is selected, and its details are shown on the left. The instance's public IP address is 54.245.225.250. The instance's state is 'running'.

**Launch Instance** **Actions** ▾

Viewing: Running Instances

Name	Type	State
...	t1.micro	running

**1 EC2 Instance selected.**

**EC2 Instance:** 54.245.225.250

**Description** **Status Check**

**AMI:**

**Zone:**

**Type:**

**Scheduled Events:**

**VPC ID:**

**Source/Dest. Check:**

**Placement Group:**

**RAM Disk ID:**

**Key Pair Name:**

**Monitoring:**

**Instance Management**

- Connect
- Get System Log
- Get Windows Admin Password
- Create Image (EBS AMI)
- Add/Edit Tags
- Change Security Group
- Change Source/Dest. Check
- Bundle Instance (instance store AMI)
- Launch More Like This
- Disassociate IP Address**
- Change Termination Protection
- View/Change User Data
- Change Instance Type
- Change Shutdown Behavior
- Attach Network Interface
- Detach Network Interface
- Manage Private IP Addresses

**Actions**

- Terminate
- Reboot
- Stop
- Start

**CloudWatch Monitoring**

- Enable Detailed Monitoring
- Disable Detailed Monitoring
- Add/Edit Alarms

**Alarm Status:**

**Security Groups:**

**State:**

**Owner:**

**Subnet ID:**

**Virtualization:**

**Reservation:**

**Platform:**

**Kernel ID:**

**AMI Launch Index:**

7. AWS will ask for a confirmation before disassociating the address. Click on “Yes, Disassociate”.

The screenshot shows a confirmation dialog box titled 'Disassociate Address'. The dialog asks if the user is sure they wish to disassociate the IP address 54.245.225.250 from the instance i-81435db2. The 'Yes, Disassociate' button is highlighted with a red box.

**Disassociate Address** Cancel X

Are you sure that you wish to disassociate this IP address?




**Public IP:** 54.245.225.250

**Instance ID:** i-81435db2

Cancel **Yes, Disassociate**

8. The elastic IP address associated with the instance will be disassociated. The above mentioned IP can be reassigned to any other instance. If the IP address is unassigned, it will cost the user. Release the IP address if the user does not require it.

The figure given below demonstrates the instance with the new public IP after the elastic IP has been disassociated.

<input checked="" type="checkbox"/>	Name	Instance	AMI ID	Root Device	Type	State	Status Checks	Alarm S
<input type="checkbox"/>		 i-81435db2	ami-20d75f10	ebs	t1.micro	 running	 2/2 checks passed	none

1 EC2 Instance selected.

 **EC2 Instance:** [View EC2 Instance 1 \(i-81435db2\)](#) 

[ec2-54-245-133-138.us-west-2.compute.amazonaws.com](https://ec2-54-245-133-138.us-west-2.compute.amazonaws.com)

Description

Status Checks

Monitoring

Tags

**AMI:** [AWS\\_Apache\\_App\\_AMI \(ami-20d75f10\)](#)  
**Zone:** us-west-2c  
**Type:** t1.micro

**Alarm Status:** none  
**Security Groups:** [quick-start-1](#), [view rules](#)  
**State:** running