

EC2 Instance의 Public IP

- Instance를 재기동할때 마다 Public IP가 변경된다.

단계1: Public IP 확인

EC2 Dashboard

EC2 Global View

Events

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

► Images

► Elastic Block Store

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

All states ▼

< 1 >

Refresh

Connect

Instance state ▼

Actions ▼

Launch instances

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
<input checked="" type="checkbox"/>	hello-ec2	i-0e0a30e99c1f7e3a4	Running	t2.micro	2/2 checks passed	View alarms +	ap-north

i-0e0a30e99c1f7e3a4 (hello-ec2)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

▼ Instance summary Info

Instance ID

i-0e0a30e99c1f7e3a4 (hello-ec2)

Public IPv4 address

43.202.33.26 | open address

Private IPv4 addresses

172.31.14.95

Instance state

Running

Public IPv4 DNS

단계2: Instance Stop

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, a 'Services' menu, a search bar, and a location dropdown set to 'Seoul'. Below this is a row of service icons including IAM, EC2, VPC, Lambda, API Gateway, S3, EMR, CloudFormation, Elastic Container Service, and CodePipeline.

On the left side, there's a sidebar with a search icon and a list of navigation links: 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Instances' (which is expanded to show 'Instances', 'Instance Types', 'Launch Templates', and 'Spot Requests'), and 'Spot Requests'.

The main content area is titled 'Instances (1/1) Info'. It features a search bar with the placeholder text 'Find Instance by attribute or tag (case-sensitive)'. Below the search bar is a table with the following columns: 'Name', 'Instance ID', 'Instance state', and 'Actions'. There is one instance listed: 'hello-ec2' with ID 'i-0e0a30e99c1f7e3a4' and state 'Running'.

The 'Instance state' dropdown menu is open, showing options: 'Stop instance' (highlighted with a red border), 'Start instance', 'Reboot instance', 'Hibernate instance', and 'Terminate instance'.

Stop instance?



Instance IDs

 i-0e0a30e99c1f7e3a4 (hello-ec2)



After you stop the instance, you are no longer charged usage or data transfer fees for it. However, you will still be billed for associated resources, such as attached EBS volumes and associated Elastic IP addresses.

To confirm that you want to stop the instance, choose the *Stop* button below.

Cancel

Stop

단계3: Instance Stopped > Public IP 없음

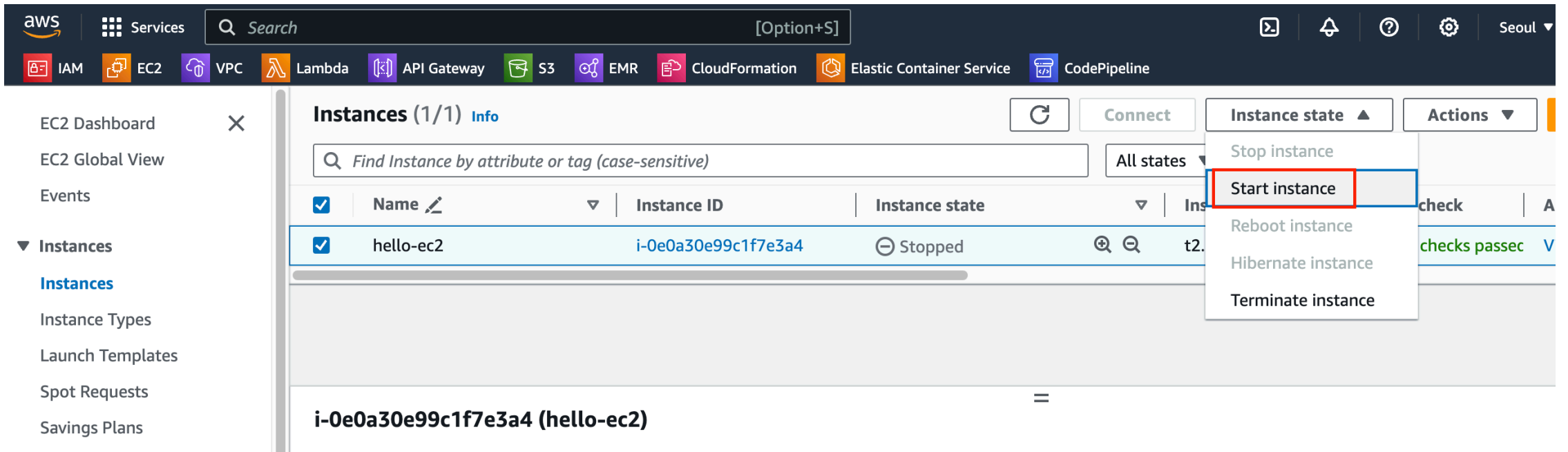
The screenshot displays the AWS Management Console interface for EC2 instances. On the left, a navigation sidebar lists various services, with 'Instances' selected. The main panel shows a list of instances with one instance, 'hello-ec2', highlighted. A red box encloses the instance's name, ID, and state. Below the list, the details for instance 'i-0e0a30e99c1f7e3a4' are shown. A red arrow points from the 'Stopped' state in the table to the 'Public IPv4 address' field in the details, which contains a hyphen, signifying that no public IP is assigned to this instance.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
hello-ec2	i-0e0a30e99c1f7e3a4	Stopped	t2.micro	2/2 checks passed	View alarms	ap-northeast-1

i-0e0a30e99c1f7e3a4 (hello-ec2)

- Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags
- Instance summary Info
 - Instance ID: i-0e0a30e99c1f7e3a4 (hello-ec2)
 - IPv6 address: -
 - Public IPv4 address: -
 - Instance state: Stopped
 - Private IPv4 addresses: 172.31.14.95
 - Public IPv4 DNS: -

단계4: Instace Start



The screenshot displays the AWS Management Console interface for the EC2 service. The top navigation bar includes the AWS logo, a 'Services' menu, a search bar, and a list of services like IAM, EC2, VPC, Lambda, API Gateway, S3, EMR, CloudFormation, Elastic Container Service, and CodePipeline. The left sidebar shows the 'Instances' section selected, with sub-links for 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', and 'Savings Plans'. The main content area is titled 'Instances (1/1) Info' and features a search bar and a table of instances. The table has columns for 'Name', 'Instance ID', 'Instance state', and 'Actions'. One instance, 'hello-ec2' with ID 'i-0e0a30e99c1f7e3a4', is listed with a 'Stopped' state. The 'Instance state' dropdown menu is open, showing options: 'Stop instance', 'Start instance' (highlighted with a red box), 'Reboot instance', 'Hibernate instance', and 'Terminate instance'. Below the table, the instance details for 'i-0e0a30e99c1f7e3a4 (hello-ec2)' are partially visible.

Name	Instance ID	Instance state
hello-ec2	i-0e0a30e99c1f7e3a4	Stopped

단계5: Public IP 확인

- 기존 Public IP와 값이 다름

The screenshot displays the AWS Management Console interface for EC2 instances. On the left, a navigation sidebar lists various services like EC2 Dashboard, EC2 Global View, Events, and Instances. The main content area shows a list of instances with columns for Name, Instance ID, Instance state, Instance type, Status check, and Alarm status. One instance, 'hello-ec2', is highlighted with a red box, showing its ID as 'i-0e0a30e99c1f7e3a4' and its state as 'Running'. Below this, the details for this specific instance are shown, with tabs for Details, Status and alarms, Monitoring, Security, Networking, Storage, and Tags. The 'Details' tab is active, showing an 'Instance summary' section. A red arrow points from the 'Running' state in the instance list to the 'Public IPv4 address' field in the instance details, which displays the value '52.78.127.48'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
hello-ec2	i-0e0a30e99c1f7e3a4	Running	t2.micro	2/2 checks passed	View alarms

i-0e0a30e99c1f7e3a4 (hello-ec2)

Instance summary

Field	Value
Instance ID	i-0e0a30e99c1f7e3a4 (hello-ec2)
Public IPv4 address	52.78.127.48 open address
Private IPv4 addresses	172.31.14.95
IPv6 address	
Instance state	
Public IPv4 DNS	

Elastic IP

- Elastic IP 주소는 동적 클라우드 컴퓨팅을 위해 고안된 정적 IPv4 주소입니다.
- Elastic IP 요금

단계1: Allocate Elastic IP address

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, a 'Services' menu, a search bar, and a list of services including IAM, EC2, VPC, Lambda, API Gateway, S3, EMR, CloudFormation, Elastic Container Service, and CodePipeline. The user's location is set to Seoul, and the account ID is 4266-5374-2146.

On the left sidebar, under the 'Network & Security' section, the 'Elastic IPs' link is highlighted with a red box. A red arrow points from this link to the 'Allocate Elastic IP address' button in the top right corner of the 'Elastic IP addresses' main content area.

The main content area is titled 'Elastic IP addresses' and features a search bar with the placeholder text 'Find resources by attribute or tag'. Below the search bar is a table with columns: Name, Allocated IPv4 addr..., Type, Allocation ID, and Reverse DNS record. The table is currently empty, displaying the message 'No Elastic IP addresses found in this Region'.

At the bottom of the console, there is a light blue informational banner that reads: 'View IP address usage and recommendations to release unused IPs with [Public IP insights](#)'.

- Allocate

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](#)

Network border group [Info](#)

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](#)

- 생성 확인

aws

Services

Search

[Option+S]

Seoul

admin @ 4266-5374-2146

IAM

EC2

VPC

Lambda

API Gateway

S3

EMR

CloudFormation

Elastic Container Service

CodePipeline

EC2 Dashboard

EC2 Global View

Events

▶ Instances

▶ Images

▶ Elastic Block Store

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

Elastic IP addresses (1)

⌂

Actions

Allocate Elastic IP address

Find resources by attribute or tag

Public IPv4 address : 3.34.84.14

Clear filters

< 1 >

<input type="checkbox"/>	Name	Allocated IPv4 addr...	Type	Allocation ID	Reverse DNS record
<input type="checkbox"/>	-	3.34.84.14	Public IP	eipalloc-0d3b8cc44ba3440a7	-

View IP address usage and recommendations to release unused IPs with [Public IP insights](#)

단계2: Associate elastic ip with ec2 instance

EC2 Dashboard ×

EC2 Global View

Events

► Instances

► Images

► Elastic Block Store

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

Elastic IP addresses (1/1)

Find resources by attribute or tag

<input checked="" type="checkbox"/>	Name	Allocated IPv4 addr...	Type	Allocation ID	
<input checked="" type="checkbox"/>	-	3.34.84.14	Public IP	eipalloc-0d3b8	<div>Actions ▲</div> <div><div>Associate Elastic IP address</div><div>Disassociate Elastic IP address</div><div>Update reverse DNS</div><div>Enable transfers</div><div>Disable transfers</div><div>Accept transfers</div></div>

View IP address usage and recommendations to release unused IPs with [Public IP insights](#)

단계3: Associate

- ec2의 public ip에 elastic ip 연결

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

i-0e0a30e99c1f7e3a4 (hello-ec2) - running

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

단계4: ec2 public ip

- 생성한 elastic ip가 ec2의 public ip와 같음

The screenshot displays the AWS Management Console interface for the EC2 service. On the left, the navigation pane shows the 'Instances' section selected. The main content area shows a list of instances with the following columns: Instance status, Availability Zone, Public IPv4 DNS, Public IPv4 address, Elastic IP, IPv6 IPs, Monitoring, and Security group name. A single instance is listed with the ID 'i-0e0a30e99c1f7e3a4 (hello-ec2)', located in 'ap-northeast-2a', with a public IPv4 address of '3.34.84.14' and an Elastic IP of '3.34.84.14'. Below the list, the 'Details' tab for the selected instance is shown. It includes the Instance ID 'i-0e0a30e99c1f7e3a4 (hello-ec2)', the Public IPv4 address '3.34.84.14' with a link to 'open address', the Instance state 'Running', and the Private IPv4 address '172.31.14.95'. Red boxes and arrows highlight the 'Instances' link in the navigation pane, the instance row in the table, the instance ID, and the public IPv4 address in the details panel, illustrating the connection between the instance and its public IP.

Instance status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs	Monitoring	Security group name
Running	ap-northeast-2a	ec2-3-34-84-14.ap-nort...	3.34.84.14	3.34.84.14	-	disabled	hello-ec2-sg

Instance details for i-0e0a30e99c1f7e3a4 (hello-ec2):

- Instance ID: i-0e0a30e99c1f7e3a4 (hello-ec2)
- Public IPv4 address: 3.34.84.14 | [open address](#)
- Instance state: Running
- Private IPv4 addresses: 172.31.14.95
- Public IPv4 DNS: [icon]

단계5: ec2 stop

- ec2 stopped가 되었지만 public ip 존재함

The screenshot displays the AWS Management Console interface for EC2 instances. On the left, a navigation sidebar lists various services like EC2 Dashboard, Global View, Events, and Instances. The main panel shows a list of instances with columns for Name, Instance ID, Instance state, Instance type, Status check, and Alarm. One instance, 'hello-ec2' with ID 'i-0e0a30e99c1f7e3a4', is highlighted with a red box and is in a 'Stopped' state. Below the list, the details for this instance are shown, including tabs for Details, Status and alarms, Monitoring, Security, Networking, Storage, and Tags. The 'Details' tab is active, showing the 'Instance summary' section. A red arrow points from the 'Stopped' status in the instance list to the 'Public IPv4 address' field in the instance details, which displays the IP address 3.34.84.14 with a link to 'open address'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm
hello-ec2	i-0e0a30e99c1f7e3a4	Stopped	t2.micro	-	View a

i-0e0a30e99c1f7e3a4 (hello-ec2)

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0e0a30e99c1f7e3a4 (hello-ec2)	3.34.84.14 open address	172.31.14.95

Elastic IP 삭제

단계1: Disassociate Elastic IP

The screenshot shows the AWS Management Console interface. At the top, a green banner indicates "Successfully initiated stopping of i-0e0a30e99c1f7e3a4". The main content area displays the "Instances (1/1)" page. A table lists the instance "hello-ec2" with ID "i-0e0a30e99c1f7e3a4" and state "Stopped". A red box highlights the "Instances" link in the left sidebar, and another red box highlights the "hello-ec2" instance in the table. A red arrow points from the instance name to the "Networking" tab in the instance details pane. The "Networking" tab is also highlighted with a red box. Within the "Networking" tab, the "Disassociate Elastic IP address" option is highlighted with a red box. A red arrow points from this option to the "Networking" section in the "Actions" dropdown menu on the right. The "Actions" dropdown menu is also open, showing various options like "Connect", "View details", "Attach network interface", etc.

EC2 Dashboard
EC2 Global View
Events

▼ Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations

▼ Images

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

All states ▼

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status
<input checked="" type="checkbox"/>	hello-ec2	i-0e0a30e99c1f7e3a4	Stopped	t2.micro	-

i-0e0a30e99c1f7e3a4 (hello-ec2)

Details | Status and alarms | Monitoring | Security | Networking | Storage

▼ Instance summary Info

Instance ID | Public IPv4 address

Actions ▲

- Connect
- View details
- Manage instance state
- Instance settings
- Networking
- Security
- Image and templates
- Monitor and troubleshoot

Launch instances

Attach network interface

Detach network interface

Connect RDS database

Disaster recovery for your instances

Change source/destination check

Disassociate Elastic IP address

Manage IP addresses

Elastic IP address details

Associated Instance ID

 [i-0e0a30e99c1f7e3a4 \(hello-ec2\)](#)

Associated Network interface


 [eni-053b5e49009544471](#)

Elastic IP address

 [3.34.84.14](#)

Type

Public IP

 Charges apply for disassociated Elastic IP addresses that remain allocated to your account.

Cancel

Disassociate Elastic IP address

Disassociate Elastic IP address



Are you sure that you want to disassociate this Elastic IP address?

Elastic IP address

 3.34.84.14

To confirm disassociation, enter *proceed* in the field.

proceed

Cancel

 **Disassociate**

단계2: 결과 확인

EC2 Dashboard

EC2 Global View

Events

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

► Images

► Elastic Block Store

Disassociated Elastic IP address (3.34.84.14) successfully

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

All states

< 1 >

Connect

Instance state

Actions

Launch instances

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability zone
<input checked="" type="checkbox"/>	hello-ec2	i-0e0a30e99c1f7e3a4	Stopped	t2.micro	-	View alarms	ap-northeast-2

i-0e0a30e99c1f7e3a4 (hello-ec2)

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

▼ Instance summary Info

Instance ID

i-0e0a30e99c1f7e3a4 (hello-ec2)

IPv6 address

Public IPv4 address

-

Instance state

Stopped

Private IPv4 addresses

172.31.14.95

Public IPv4 DNS

단계3: Elastic IP 삭제

EC2 Dashboard X

EC2 Global View

Events

► Instances

► Images

► Elastic Block Store

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

✔ Elastic IP address associated successfully.
Elastic IP address 3.34.84.14 has been associated with instance i-0e0a30e99c1f7e3a4

Elastic IP addresses (3/1)

Find resources by attribute or tag

<input checked="" type="checkbox"/>	Name	Allocated IPv4 addr...	Type	Allocation ID
<input checked="" type="checkbox"/>	-	3.34.84.14	Public IP	eipalloc-0d3b8

Actions ▲

Allocate Elastic IP

View details

Release Elastic IP addresses

Associate Elastic IP address

Disassociate Elastic IP address

Update reverse DNS

Enable transfers

Disable transfers

Accept transfers

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
–	3.34.84.14	eipalloc-0d3b8cc44ba3440a7	Public

Cancel

Release

- 결과 확인

- EC2 Dashboard
- EC2 Global View
- Events
- ▶ Instances
- ▶ Images
- ▶ Elastic Block Store
- ▼ Network & Security
 - Security Groups
 - Elastic IPs
 - Placement Groups

×

✓ Elastic IP addresses released.
Elastic IP addresses 3.34.84.14

Elastic IP addresses

↻

Actions ▼

Allocate Elastic IP address

🔍 Find resources by attribute or tag

< 1 > ⚙️

■	Name ▼	Allocated IPv4 addr... ▼	Type ▼	Allocation ID ▼	Reverse DNS record ▼
No Elastic IP addresses found in this Region					
<div></div>					