



LOGICLABS TECHNOLOGIES

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Amazon Web Services

Assign Elastic IP

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Assign Elastic IP

- Every time we stop and restart the EC2 instance the public IP changes. To avoid this, we can use Elastic IP address provided by AWS. Elastic IP address is static IP address or permanent address provided by AWS.
- **Elastic IP / Static IP:** An Elastic IP address is a reserved public IP address that you can assign to any EC2 instance in a particular region, until you choose to release it.
- **Dynamic IP:** A dynamic IP address is a temporary address for devices connected to a network that continually changes over time.

Assign Elastic IP

- Create EC2 Machine
- Note down the public IP
- Select the EC2 Machine

Instance State



Stop Instance

- Click on Stop
- Now check the EC2 machine

Assign Elastic IP

- System has automatically released the IP Address
- Now start the EC2 machine

Instance State



Start Instance

- Now we got the new IP Address for our EC2 machine

Assign Elastic IP

- Create Elastic IP

Network & Security



Elastic IPs

- Click on Allocate Elastic IP Address
- Click on Allocate
- Assign the Elastic IP to EC2 machine
- Select the Elastic IP

Actions



Associate Elastic IP Address

Assign Elastic IP

- Select the EC2 machine & Private IP address of the machine
- Click on Associate
- Now check the EC2 machine Public IP
- Now try to stop the machine & start the machine.
- **Note: After Practice make sure you release the Elastic IP Address otherwise you will get the bill of Elastic IP.**

Assign Elastic IP

- Go to Elastic IP
- Select the elastic IP

Actions



Disassociate Elastic IP Address

- Click on Disassociate.
- **Release the Elastic IP**

- Select the Elastic IP

Actions



Release Elastic IP Address

Assign Elastic IP

- Click on Release.
- Terminate the EC2 Machine.
- **Note: If we reboot our machine then system will not change the Dynamic / Elastic IP Address**



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