# Elastic IP

Elastic IP – Elastic IP is a static IP – a web service from AWS.

Why required? AWS provides a public IP to any EC2 instance when created. But the problem is that when we restart that EC2 instance, AWS again reassign a new public IP available from the pool.

So basically we can’t rely on the AWS provided IP when we are using the EC2 instance to serve any internet facing work.

To overcome this AWS has a new service called Elastic IP, merely a fixed static IP provided to the AWS account and we can associate that IP to any instances like EC2 Instance, Internet gateway etc.