

SPECIAL ISSUE 2: What Happens When You Reboot an Instance

Problem Statement

When an EC2 instance is stopped and restarted, the public IPv4 address changes. This breaks any published URLs and makes the website inaccessible. The solution to this problem is to use **Elastic IP**.

Elastic IP is a static, public ipv4 address that remains tied to your AWS account until you release it.

Remains allocated to your AWS account until you release it. Stays associated with your instance through stop/start cycles. Can be quickly remapped to different instances for failover. Provides a permanent URL for public access.

Implementation

1. Go to **EC2 Console**
2. Navigate to **Elastic IPs**
3. Click **Allocate Elastic IP address**

Allocated IP: 44.214.24.29

| Elastic IP addresses (1) Info | | | |
|--|------|------------------------------|-----------|
| <input type="text" value="Find elastic IP addresses by attribute or tag"/> | | | |
| <input type="checkbox"/> | Name | Allocated IPv4 addr... | Type |
| <input type="checkbox"/> | - | 44.214.24.29 | Public IP |

Costs Involved

Elastic IP Pricing: \$0.005 per hour (~\$3.60 per month)