**Migrate an EC2 Instance to Another Region (Mumbai to Singapore)**

In this document, I will outline the step-by-step process I followed to migrate an Amazon EC2 instance from the **Mumbai (ap-south-1)** region to the **Singapore (ap-southeast-1)** region. This migration was done using an Amazon Machine Image (AMI) and launching a new instance in the target region.

**Step 1: Create an AMI of the Existing EC2 Instance**

1. Navigate to the **AWS EC2 Console** in the Mumbai region.
2. Select the instance to migrate.
3. Click on **Actions > Image and templates > Create image**.
4. Provide a suitable name and description for the AMI.
5. Click **Create Image** and wait for the AMI creation to complete.

**Step 2: Copy the AMI to the Singapore Region**

1. Go to **EC2 Dashboard > Images > AMIs**.
2. Select the newly created AMI.
3. Click on **Actions > Copy AMI**.
4. Choose **Singapore (ap-southeast-1)** as the destination region.
5. Click **Copy AMI** and wait for the process to complete.

**Step 3: Launch a New Instance in the Singapore Region**

1. Switch to the **Singapore (ap-southeast-1)** region in the AWS console.
2. Navigate to **EC2 Dashboard > AMIs**.
3. Select the copied AMI and click **Launch instance from AMI**.
4. Choose an instance type (**t2.micro** for free tier eligibility).
5. Configure network settings (VPC, subnet, security group as per requirement).
6. **Create a new key pair** and download it.
7. Click **Launch Instance**.

**Conclusion**

The EC2 instance was successfully migrated from **Mumbai (ap-south-1)** to **Singapore (ap-southeast-1)**. This method ensures minimal downtime and allows for easy migration using AMIs. The new instance is now fully operational in the Singapore region.



