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### Lab 5: Networking

#### Setting up an Application Load Balancer

Step 1: Cheking region with allowed capacity

As there is a restriction of only 20 load balancers per region, I searched the region which has load balancers less than the 20. **ap-southeast-2** had the 50 load balancers already. So, I decided to choose **ap-northeast-1** which had only 2 at the time of my report.

Name	ARN	Status	VPC ID	Availability Zones	Type	Date created
23771397-lb	arn:aws:elasticloadbalancing:ap-northeast-1:23771397:loadbalancer/app/23771397-lb	Active	vpc-0123456789abcdef	2 Availability Zones	application	September 25, 2023, 14:50 UTC+0800
23771397-lb	arn:aws:elasticloadbalancing:ap-northeast-1:23771397:loadbalancer/app/23771397-lb	Active	vpc-0123456789abcdef	2 Availability Zones	application	September 25, 2023, 23:08 UTC+0800

Name	ARN	Status	VPC ID	Availability Zones	Type	Date created
23771397-lb	arn:aws:elasticloadbalancing:ap-southeast-2:23771397:loadbalancer/app/23771397-lb	Active	vpc-0123456789abcdef	2 Availability Zones	application	September 25, 2023, 14:50 UTC+0800
23771397-lb	arn:aws:elasticloadbalancing:ap-southeast-2:23771397:loadbalancer/app/23771397-lb	Active	vpc-0123456789abcdef	2 Availability Zones	application	September 25, 2023, 23:08 UTC+0800

Step 2: Finding the current region configured to aws

```
aws configure get region
```

I could see **ap-southeast-2** is the current region. I configured the new region by following command.