=> Elastic Beanstalk

1) IaaS --> Infrastructure as a Service ex: EC2, S3, RDS, VPC.....

2) PaaS -->Platform as a Service ex: Elastic Beanstalk

3) SaaS --> Software as a Service ex: Zoom, Teams....

Web-app --> Deployment
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1) Create Network VPC
2)Create Security Groups
3)Enable Inbound Rules
4)Create EC2 Instances
5)Install Required Softwares to run our app code
Exam: Java, Tomcat, IIS.....
6)Load Balancer
7) Setup Auto Scaling Groups for high availability
8)Deploy our APP

Elastic Beanstalk--> provides Platform as a Service--> Ready made platform to run our app

End-to-end web application management.

Note : When ever we go with AWS Elastic Bean stack service then thee first 7 steps of above given list will be taken care by Elastic bean stack and we will be taking care only application deployment

--> No Specific or fixed price for Elastic Bean however Price is applicable for the resources getting created by Elastic Bean stalk ---ex: EC2 instances, LBS, ASG ,,.....

Lab/Practical TASK on Elastic Beanstalk
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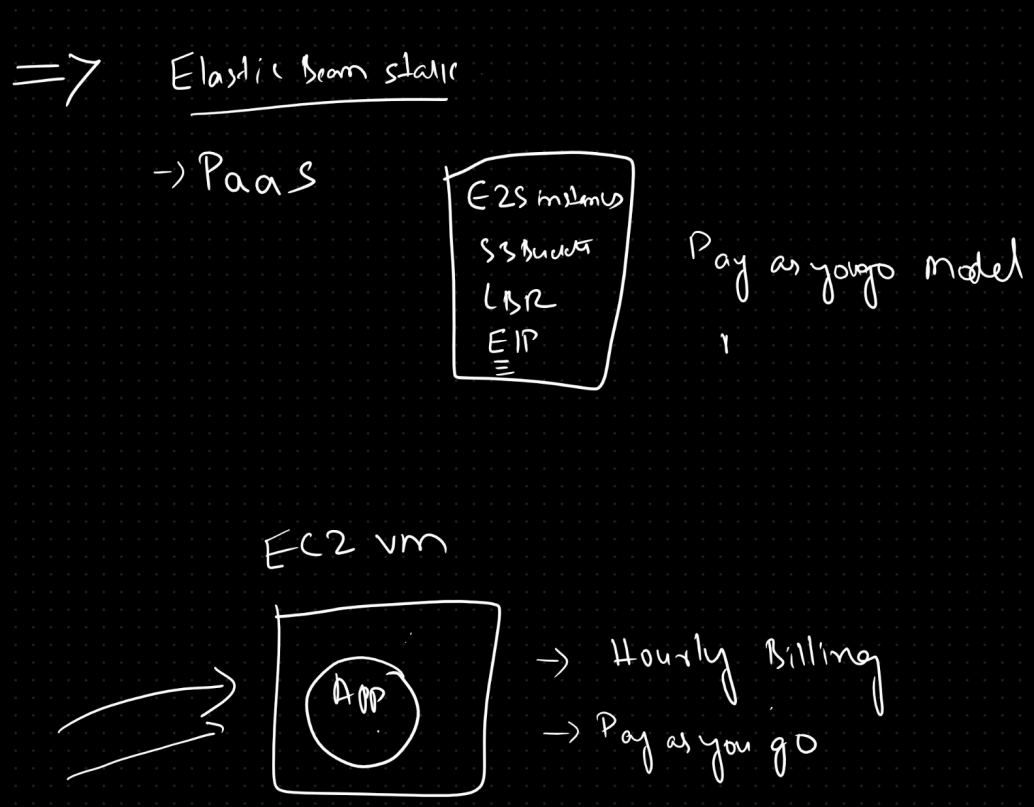
1) Create an IAM Role with following policies :

-> AWSElasticBeanstalkMulticontainerDocker
->AWSElasticBeanstalkWebTier
->AWSElasticBeanStalkWorkerTier

2) Create Application using Beanstalk (as demonstrated in live class)

3) Create Environment for the application by choosing required Runtime

After The environment is created it will generate DNS to access our application



AWS Lambdas
==> Pay as you use
If code is executed only then bill should be generated

If code executed for 10 minute then bill should be generated for only 10 minutes

---Serverless Computing--
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Run your application without thinking about servers

You pay only for the compute time that you consume — there is no charge when your code is not running.

AWS Lambdas are used to implement Serverless computing

AWS Lambda is a way to run code without creating, managing or paying for servers

We pay for it for the time AWS Runs and nothing more

AWS will scale our code depending on number of requests we receive

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