##################
Elastic Beanstalk
#################

-> End-to-end web application management services in AWS

-> In AWS, Elastic Beanstalk provides Platform As a Service (PaaS)

-> Easily we can run our web aplications on AWS cloud using Elastic Beanstalk service.

-> We just need to upload our project code to Elastic Beanstalk it will take care of deployment

-> Elastic Beanstack will take care of softwares and servers which are required to run our application.

-> Elastic Beanstalk will take care of deployment, capacity provisioning, load balancer and auto scaling

-> To deploy one java web application manually we need to perform below operations

1) Create Security Group

2) Create Network

3) Create Virtual Machine (s)

4) Install Java software in Virtual machine

5) Install Webserver to run java web application

6) Deploy application to server

7) Re-start the server

8) Create LBR

9) Create AutoScaling etc...

-> AWS providing infrastructure, we are creating platform using AWS infrastructure to run our java application (IaaS Model)

=> Instead of we are preparing platform to run our application, we can use Elastic Beanstalk service to run our web applications.

=> Elastic Beanstalk is providing Platform as a service.

+++++++++++++++++++++++++++++
Advantages with Elastic Beanstalk
+++++++++++++++++++++++++++++

1) Fast and simple to begin

2) Developer productivity

3) Impossible to outgrow

4) Complete resource control

++++++++++++++++++++++++++
Elastic Beanstalk Pricing
+++++++++++++++++++++++++

Thereâ€™s no additional charge for Elastic Beanstalk. You pay for Amazon Web Services resources that we create to store and run your web application, like Amazon S3 buckets and Amazon EC2 instances.

+++
Procedure to deploy java-spring-boot-application
++

1) Create one application in Beanstalk
2) Choose Platform as Java
3) Select Upload Your Code option and upload spring-boot-jar file
4) Once environment got created -> Go to Configuration -> Go to Software -> Add PORT as 8080

-> Once Environment got refreshed access your application using URL given by Beanstalk