**Amazon Elastic Bean Stack(EBS):**

* Pre-configured EC2 server and automatically provisions to run Web Applications.
* EC2 is Infrastructure as a Service(IaaS)
* EBS is Platform as a Service(PaaS)
* Allows users to directly use a pre-configured server.
* We can change the existing configuration.
* Scales automatically using Auto-Scaling
* It can integrate with MySQL, Oracle, etc.
* We can provide Access control via Identity and Access Management(IAM).

**Components:**

***Application:***

* It directly takes our project code.

***Application environments:***

* Users can create DEV, UAT and PROD environments to run application.

***Environment Health:***

* Automatic health checks on all EC@ deployments.
* Developers can schedule to ping the application to get the response as 200.

1. Red – All checks failed
2. Yellow – Some checks failed
3. Gray – App is updating
4. Green – All checks passed

***Elastic Load Balancing:***

* All the incoming requests hit the Elastic Load Balancing(ELB), it balances the load across all the instances.

***Automatic Provisioning:***

* Appropriate services and security groups are configured automatically.
* Since Auto-Scaling is used, it can handle any amount of internet traffic.