

Elastic Beanstalk

Elastic Beanstalk is a platform as a service (PaaS) used for deploying and scaling web applications. It is easier to deploy the application code to the AWS cloud without worrying about the infrastructure that runs those applications.

Once the code is deployed , It will handle all the background work such as deployment, load-balancing, scaling of the application automatically, provisioning the capacity, etc.

The applications that are developed with Python, Java, PHP, Node.js, and Docker can easily be deployed on commonly used servers such as Apache, Nginx, etc.

In simpler terms , first we need to create a local application platform, which can be Java,Python,PHP, Node.js etc. Then create an application in Elastic Beanstalk with an environment where we can upload the local application.

Benefits:

Operates the infrastructure and manages the application stack

Focus on writing code rather than configuring servers, load balancers, networks , etc.

Auto-adjustable settings that easily scale the application.

Don't need any resource configuration or infrastructure to make the application ready to use.

No need to pay any extra charges as its comes under AWS.