Ex. No. 4

DEVELOP A SIMPLE APPLICATION TO UNDERSTAND THE CONCEPT OF PAAS USING AMAZON ELASTIC BEANSTALK

AIM:

To develop a simple application to understand the concept of PAAS using Amazon Elastic Beanstalk.

PROCEDURE:

Creating an AWS Account:

1.   Go to AWS Signup and click "Create an AWS Account."

2.   Enter your email address and choose a password for your new AWS account.

3.   Provide your full name, and select "Personal" or "Professional" account type.

4.   Enter your contact information, including phone number and address.

5.   Choose your billing plan (Free Tier is a good starting point) and enter payment details.

6.   Verify your phone number by entering the code sent to you via SMS.

7.   Choose a support plan (Basic Support is free) and complete the account creation.

Deploying a Web Application on AWS Elastic Beanstalk:

1.   Log in to the AWS Management Console and navigate to Elastic Beanstalk.

2.   Click "Create a new environment" and select "Web server environment."

3.   Choose the platform for your application (e.g., Node.js, Python, Java).

4.   Upload your application code as a .zip file or specify a GitHub repository.

5.   Configure the environment settings, such as the environment name, domain, and instance type.

6. Review your environment configuration and click "Create environment."

7. Wait for AWS to provision the resources and deploy your application (this may take a few minutes).

8. Once the deployment is complete, access your application using the provided domain URL.

9. Monitor your application's health and performance through the Elastic Beanstalk dashboard.

10. Optionally, configure auto-scaling, environment variables, and load balancing for your application.

11. To update your application, upload a new version of your code and redeploy it via the Elastic Beanstalk console.

RESULT:

Thus, a simple application to understand the concept of PAAS using Amazon Elastic Beanstalk has been completed successfully.