

Elastic Beanstalk Assignment 2

Problem Statement:

You work for XYZ Corporation. Your corporation wants to launch a new web-based application and they do not want their servers to be running all the time. It should also be managed by AWS. Implement suitable solutions.

Tasks To Be Performed:

1. Create an Elastic Beanstalk environment with the runtime as PHP.
2. Upload a simple PHP file to the environment once.

SOLUTION:

1. Application created in Elastic beanstalk with runtime

The screenshot displays the AWS Elastic Beanstalk console for an environment named 'Mytestphp-env'. At the top, a green banner indicates 'Environment successfully launched.' The console shows the environment's health as 'Green' and provides details such as the Environment ID (e-e7fw2v79ua), Domain (Mytestphp-env.eba-m27its6z.us-east-1.elasticbeanstalk.com), and Application name (mytestphp). The Platform section shows 'PHP 8.2 running on 64bit Amazon Linux 2023/4.1.1' with a 'Supported' platform state. The Events section lists four recent events, all of type 'INFO', including the successful launch, application availability, health status change to GREEN, and instance deployment completion.

Time	Type	Details
April 14, 2024 17:29:35 (UTC+5:30)	INFO	Successfully launched environment: Mytestphp-env
April 14, 2024 17:29:34 (UTC+5:30)	INFO	Application available at Mytestphp-env.eba-m27its6z.us-east-1.elasticbeanstalk.com.
April 14, 2024 17:29:31 (UTC+5:30)	INFO	Environment health has been set to GREEN
April 14, 2024 17:29:19 (UTC+5:30)	INFO	Instance deployment completed successfully.

2. PHP file uploaded

The screenshot displays the AWS Elastic Beanstalk console for an environment named 'Mytestphp-env'. At the top, there are two green status bars indicating successful uploads and environment updates. The main dashboard shows the environment's health as 'Green' and provides details about its configuration, including the platform (PHP 8.2) and the current application version ('mytestphp-version-1'). Below this, a table of events shows the most recent actions, such as the successful completion of an environment update and a new configuration deployment.

Time	Type	Details
April 14, 2024 17:34:56 (UTC+5:30)	INFO	Environment update completed successfully.
April 14, 2024 17:34:56 (UTC+5:30)	INFO	Successfully deployed new configuration to environment.

3. Testing and verification

The screenshot shows a web browser window with the address bar displaying the URL 'mytestphp-env.eba-m27t56z-us-east-1.elasticbeanstalk.com'. The page content is 'Hello World', indicating that the PHP application is running successfully on the Elastic Beanstalk environment.