Launch a Sample Application using Elastic Beanstalk
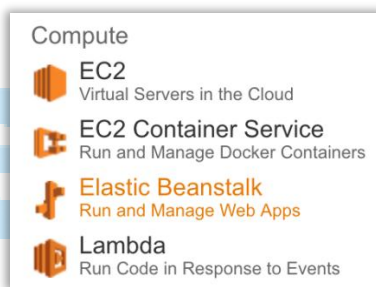
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Overview

This lab tutorial will help you get started with Elastic Beanstalk to create, view, deploy, and update your application as well as edit and terminate your environment. You'll use the AWS Management Console, a point-and-click web-based interface, to complete these tasks.
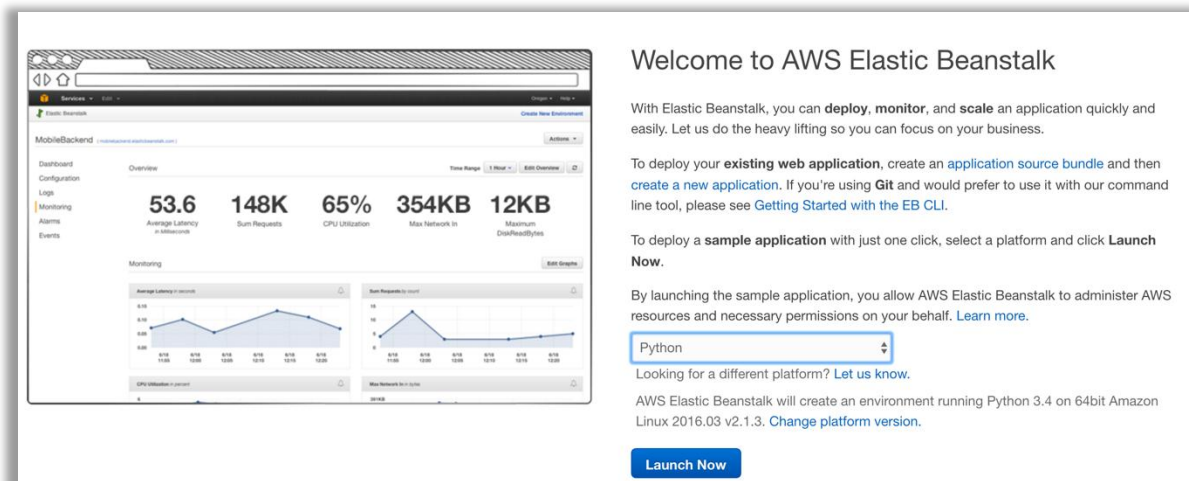
Create an Application

Over here, you will create and deploy a sample application. For this step, you use a sample application that is already prepared. If any Elastic Beanstalk applications already exist in the region in which you want to create and deploy an application, you must follow different procedures to create a new application.

1. Open the Elastic Beanstalk Console by clicking on Elastic Beanstalk under Compute section.

2. Select a platform and then choose Launch Now.

During the environment creation process, the console tracks its progress and displays health information and events:
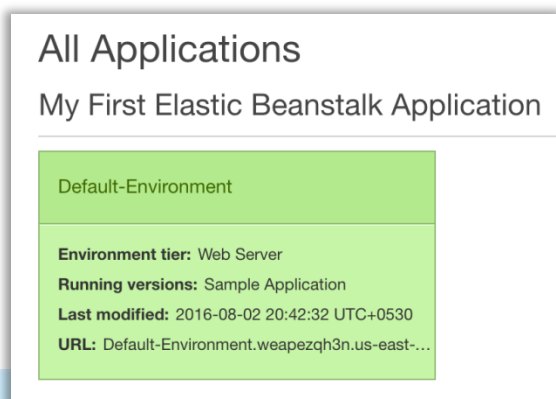
When all of the resources finish launching and the EC2 instances running the application pass health checks, the environment's health changes to Ok and the website becomes ready to use.

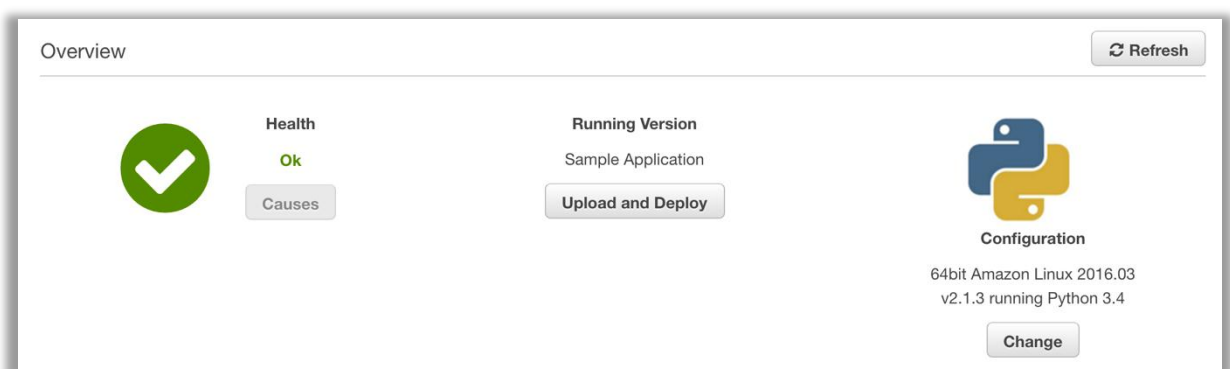View information about your environment

After you create the Elastic Beanstalk application, you can view information about the application you deployed and its provisioned resources by going to the environment dashboard in the AWS Management Console. The dashboard shows the health of your application's environment, the running version, and the environment configuration.

While Elastic Beanstalk creates your AWS resources and launches your application, the environment will be in a Pending state. Status messages about launch events are displayed in the environment's dashboard.

3. Choose Default-Environment.

The dashboard shows a subset of useful information about your environment including its current health status, the name of the currently deployed application version, its five most recent events, and the platform configuration on which the application runs.

On the left hand side of the console is a navigation bar that links to other pages, which contain more detailed information about your environment and provide access to additional features. Explore the following pages to see the current state of your environment:

→ The Configuration page shows the resources provisioned for this environment, such as Amazon EC2 instances that host your application. This page also lets you configure some of the provisioned resources.

→ The Health page shows the status and detailed health information about the EC2 instances running your application.

→ The Monitoring page shows the statistics for the environment, such as average latency and CPU utilization. This page also lets you create alarms for the metrics that you are monitoring.

→ The Events page shows any informational or error messages from services that this environment is using.

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