

Launch a Sample Application using Elastic Beanstalk

edureka!

edureka!

© Brain4ce Education Solutions Pvt. Ltd.

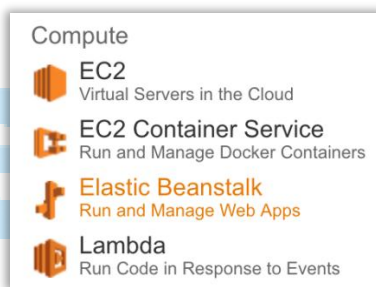
Overview

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.

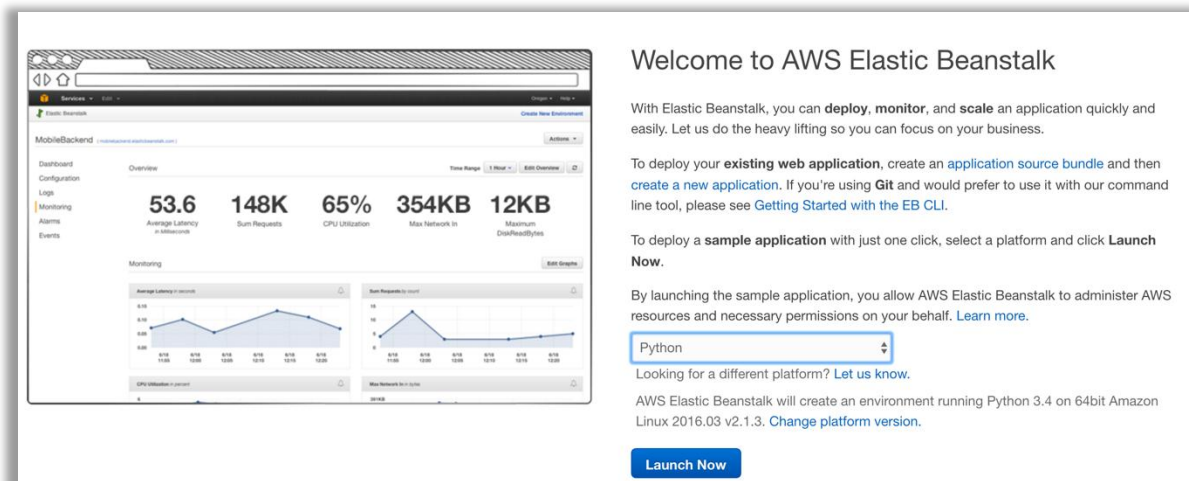
Create an Application

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:


 Elastic Beanstalk is launching your environment.
[View Events](#)


Overview Refresh



Health
Pending
Causes

Running Version
Upload and Deploy


Configuration
64bit Amazon Linux 2016.03
v2.1.3 running Python 3.4
Change

 Elastic Beanstalk is launching your environment.

Events Refresh

Severity TRACE

2016-06-14 20:41:00 UTC+0530 2016-08-02 20:42:00 UTC+0530

Time	Type	Details
2016-08-02 20:41:41 UTC+0530	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 6 seconds ago and took 4 minutes.
2016-08-02 20:39:41 UTC+0530	INFO	Added instance [i-cc3f7252] to your environment.
2016-08-02 20:39:40 UTC+0530	INFO	Created CloudWatch alarm named: awseb-e-bdq8tgrpdpf-stack-AWSEBCloudwatchAlarmLow-12SM88GCFNH3B
2016-08-02 20:39:39 UTC+0530	INFO	Created CloudWatch alarm named: awseb-e-bdq8tgrpdpf-stack-AWSEBCloudwatchAlarmHigh-1XOVQTVHMQ96A

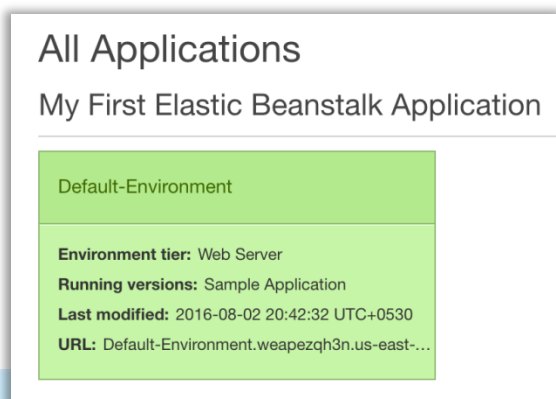
When all of the resources finish launching and the EC2 instances running the application pass health checks, the environment's health changes to Ok and the website becomes ready to use.

[View information about your environment](#)

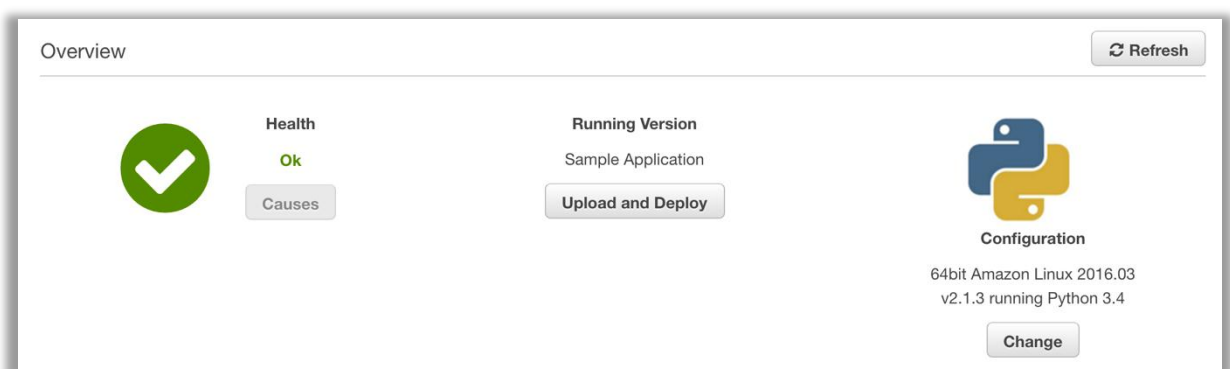
After you create the Elastic Beanstalk application, you can view information about the application you deployed and its provisioned resources by going to the environment dashboard in the AWS Management Console. The dashboard shows the health of your application's environment, the running version, and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

edureka!