Vampire Unicorns - Week 9

Theoretical

What are the benefits of using Elastic BeanStalk over just EC2?

[Youssef Ashraf Sabry]

Introduction

AWS provides many services which can prove confusing to new users, especially if they aren't tech-savvy. One of the most asked questions for beginners is whether to choose Elastic Beanstalk or Elastic Compute Cloud.

What is AWS Elastic Beanstalk?

AWS EB is an orchestration service that is the simplest and fastest way to deploy and scale web applications on the cloud.

What is AWS Elastic Compute Cloud?

AWS EC2 is a service that allows the hosting and running of web applications in a virtual machine server on the cloud.

What is the difference between AWS EB and AWS EC2?

The main difference between AWS EB and AWS EC2 is that Elastic Beanstalk is a Platform-as-a-Service (PaaS) solution while EC2 is an Infrastructure-as-a-Service (LaaS). With PaaS, you only have to manage the application and its data. While with LaaS, you also have to be involved in low-level decisions such as network configuration, load balancing, runtime environment, and the operating system. In a nutshell, AWS Elastic Beanstalk is preferable for faster deployment and lesser maintenance efforts.

<u>Practical</u>

Configure and deploy a TypeScript app with the correct EB settings and build/start scripts

[Youssef Ashraf Sabry]