

# Lab 5 - AWS CloudFormation and Billing

## Completion Screenshot

### Item 1 (10 Marks)

#### AWS CloudFormation and VPC Lab Completion Screenshot

Please add at least one screenshot of your final step in the lab report. The screenshot(s) should clearly demonstrate the completion of the lab task.

### Item 2 (10 Marks)

#### AWS Billing Lab Completion Screenshot

Please add at least one screenshot of your final step in the lab report. The screenshot(s) should clearly demonstrate the completion of the lab task.

## Activity: What Are Elastic Beanstalk and CloudFormation?

### Item 3 (20 Marks)

#### Service descriptions

For each service in the following table, explain what the service is, how it works, and give an example of how the service can be used.

AWS Service	What It Is	How It Works	Example
AWS Elastic Beanstalk			

AWS Service	What It Is	How It Works	Example
AWS CloudFormation			

## Researching case studies

### Instructions

Imagine you are a consultant hired by AWS to find out how different companies are using their products. They ask you to focus on two of their services: Elastic Beanstalk and CloudFormation. AWS has hired you to learn what companies are using these products for, how the products are benefiting the companies, and what suggestions you have for how AWS can bring additional customers into their services. If AWS likes your ideas, they have offered you a \$10,000 bonus. Good luck!

Begin your research by navigating to the AWS Customer Success page at <https://aws.amazon.com/solutions/case-studies>.

1. Scroll down to the **Find an AWS Customer Story** section.
2. On the left side of the screen, expand the **Services Used** section.
3. Choose **AWS Elastic Beanstalk**.
4. Select one of the businesses to use as your case study.
5. Answer the following questions.
6. When you finish answering the questions about the company that uses Elastic Beanstalk, look for a customer that uses AWS CloudFormation.

### Item 4 (20 Marks)

Questions for Elastic Beanstalk

Answer the following questions about the business that is using Elastic Beanstalk.

**What is the business you selected?**

**What problem are they solving with Elastic Beanstalk?**

**How do they use Elastic Beanstalk?**

**How might another company use Elastic Beanstalk?**

### **Item 5 (20 Marks)**

#### **Questions for CloudFormation**

Now find a company that uses CloudFormation and answer the following questions.

**What is the business you selected?**

**What problem are they solving with CloudFormation?**

**How do they use CloudFormation?**

**How might another company use CloudFormation?**

# Activity: AWS Support Plans and AWS Organizations

## Item 6 (20 Marks)

### Recommend a support plan

For each of the following scenarios, recommend a support plan and explain your reasoning.

#### Scenario 1

A national bank has recently migrated to the cloud, but the bank's executives are not confident in their expertise. They would like a TAM to help them keep their cloud optimized.

#### Recommendation 1

#### Scenario 2

Students in a programming class are creating Amazon Web Services (AWS) accounts to use Amazon SageMaker for a machine learning (ML) project. The educator cannot require students to spend money on their accounts.

#### Recommendation 2

#### Scenario 3

A small hospital wants to store patient data in the cloud. Because the medical data is important to access, they need to be able to get technical support at any time of day. Their cloud usage is fairly simple so they do not need a TAM.

#### Recommendation 3

#### Scenario 4

An indie game company is creating a mobile game that is gaining in popularity. The company has a small staff and there is no dedicated cloud engineer, so they would like to be able to make support cases and call technical support during business hours.

#### Recommendation 4

