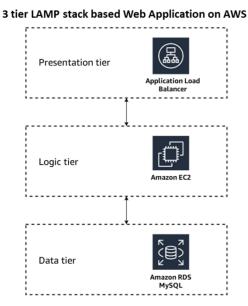
## Lab: Getting Started with Cost Estimation

### Lab overview and objectives

In this hands-on lab I go through the steps to estimate Amazon Web Services (AWS) costs for a sample workload. The workload that I evaluate is for a three-tier web application that consists of an <u>Application Load Balancer</u>, an <u>Amazon EC2 instance</u>, and an <u>Amazon RDS instance</u>.



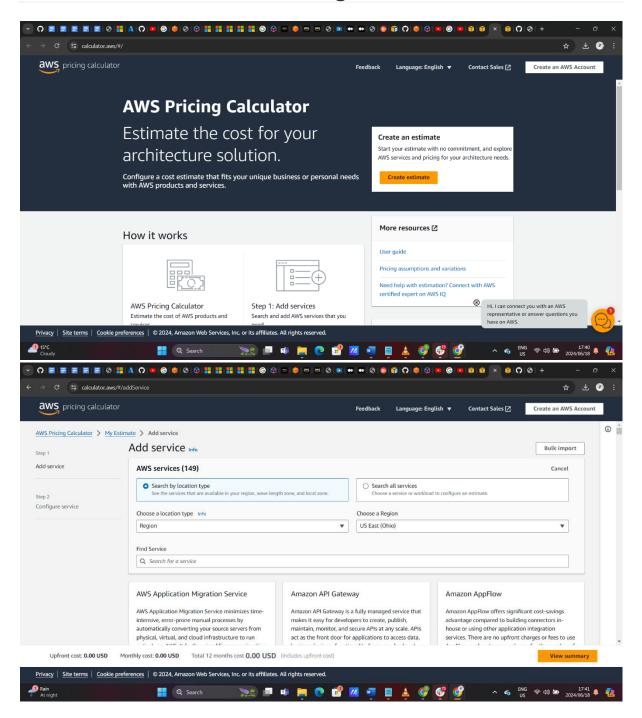
The preceding diagram includes a Load Balancer, an EC2 instance, and an RDS instance.

## **Objectives**

In this lab, I will show you how to do the following:

Estimate AWS Costs using AWS Pricing Calculator.

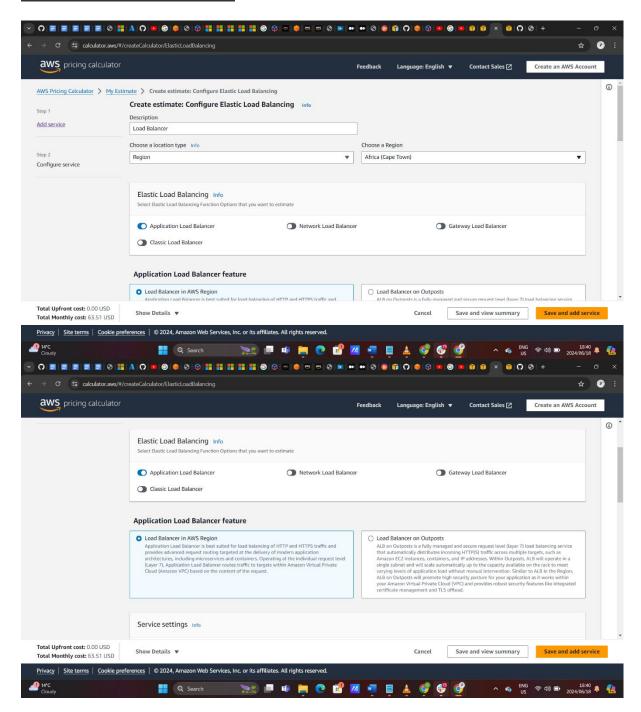
**Task 1: Launch the AWS Pricing Calculator** 

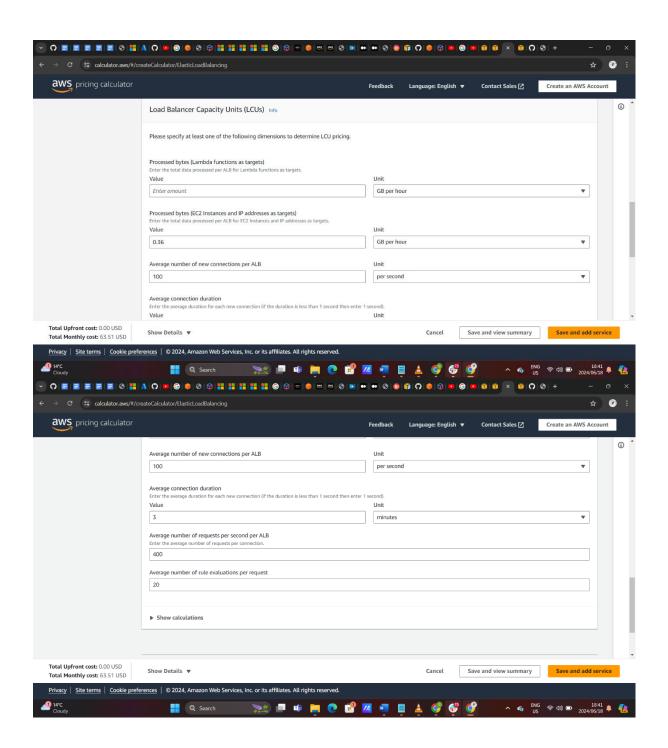


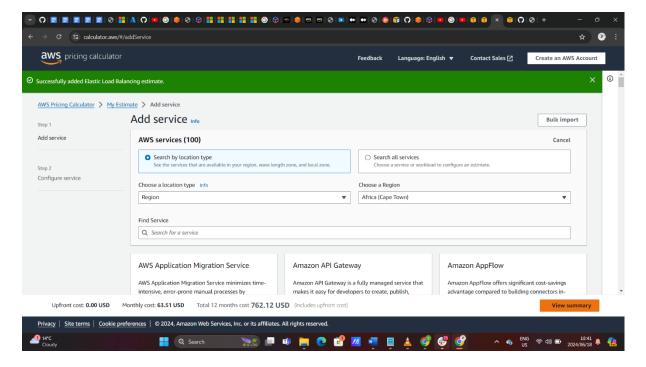
Task 2: Add and configure services in AWS Pricing Calculator

In this task, I use AWS Pricing Calculator to explore AWS services and create an estimate for the cost of a use case, a three-tier web application.

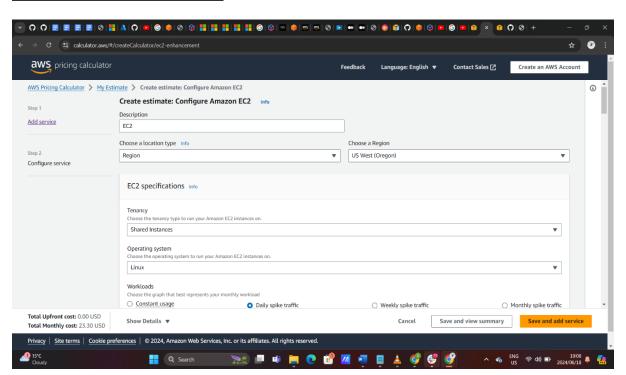
#### Add the load balancer to the estimate

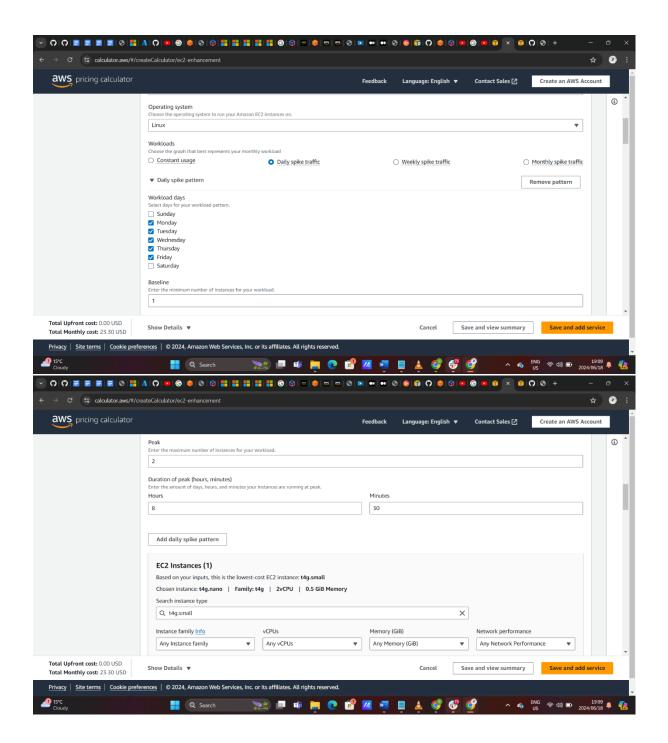


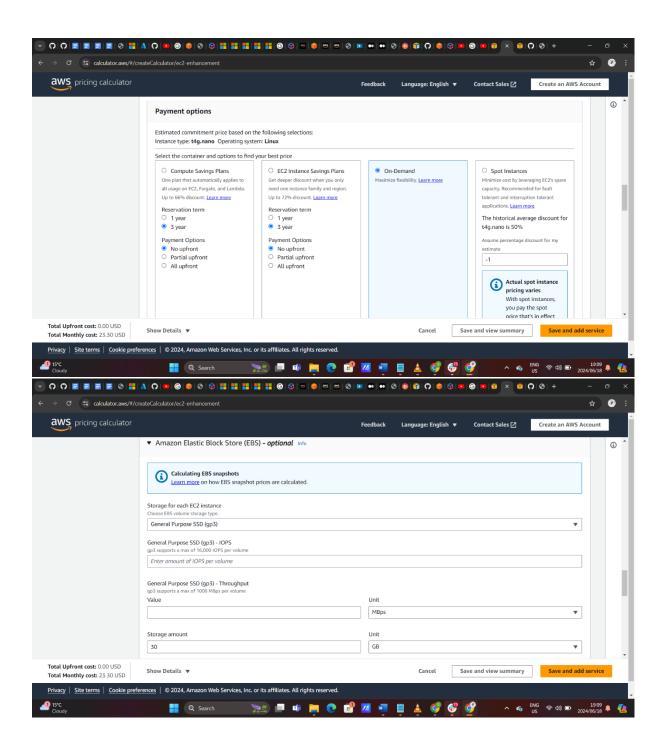


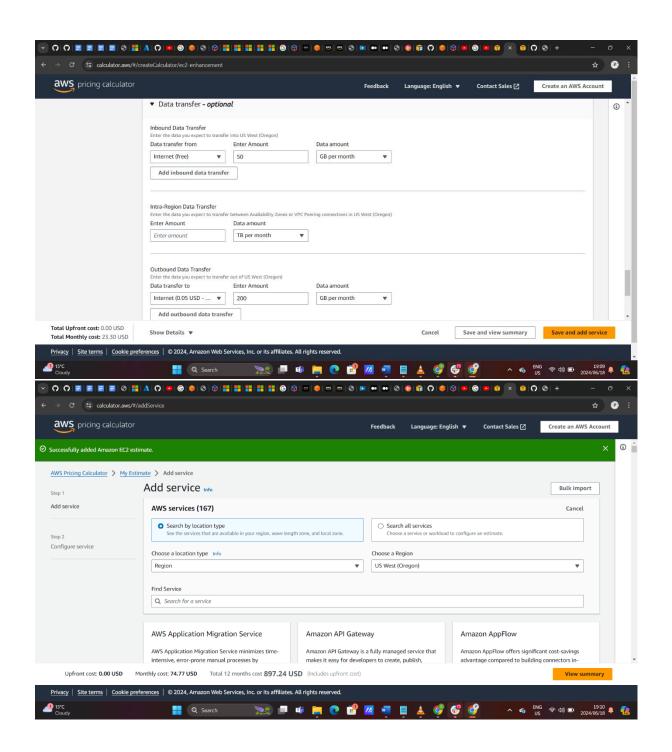


#### Add the EC2 instance to the estimate

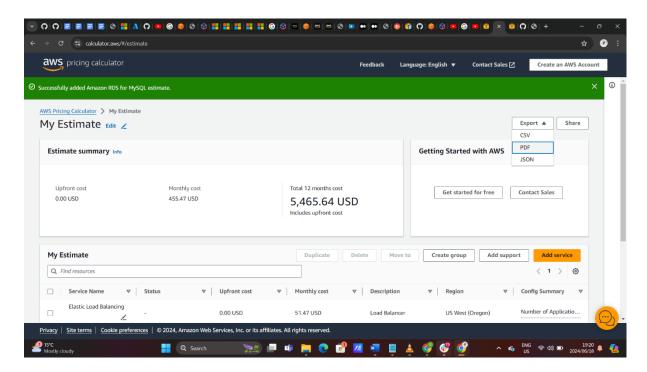






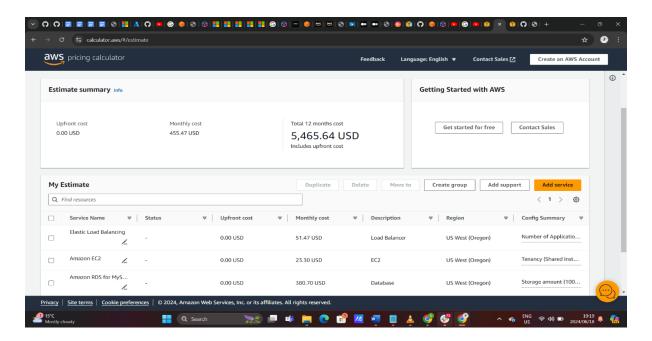


### Add the RDS instance to the estimate

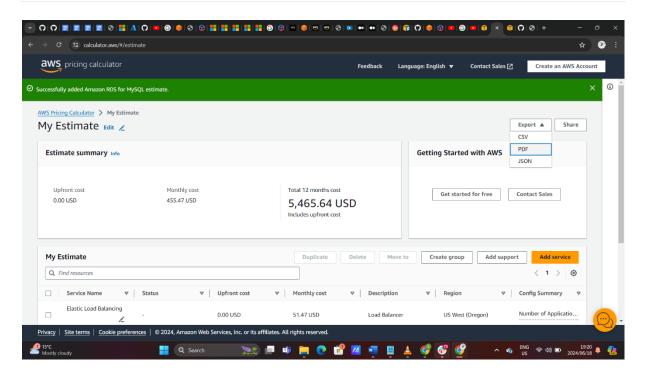


## Task 3: Review and download the estimate

In this task, I review the cost estimate that the calculator generated, and I download a copy of the estimate into a commaseparated values (CSV) file. A CSV file can be opened in desktop tools such as Excel.



# Task 4: Save and share the estimate



https://calculator.aws/#/estimate?id=318ad4784b68cc3189a93ce83bff7f476c6ffd45



Export date: 6/18/2024 Language: English

Estimate URL: https://calculator.aws/#/estimate?
id=e7cc3dbbc4223c3658177a583d91421856a2d53a

Estimate summary			
Upfront cost	Monthly cost	Total 12 months cost	
0.00 USD	455.47 USD	5,465.64 USD	
		Includes upfront cost	

#### **Detailed Estimate**

Name	Group	Region	Upfront cost	Monthly cost
Elastic Load Balancing	No group applied	US West (Oregon)	0.00 USD	51.47 USD
<b>.</b> .				

Status: -

**Description**: Load Balancer

Config summary: Number of Application Load Balancers (1)

Amazon EC2	No group	US West	0.00 USD	23.30 USD
	applied	(Oregon)		

Status: -

**Description**: EC2

Config summary: Tenancy (Shared Instances), Operating system (Linux), Workload (Daily, (Workload days: Monday, Tuesday, Wednesday, Thursday, Friday, Baseline: 1, Peak: 2, Duration of peak: 8 Hr 30 Min)), Advance EC2 instance (t4g.nano), Pricing strategy (On-Demand), Enable monitoring (disabled), EBS Storage amount (30 GB), DT Inbound: Internet (50 GB per month), DT Outbound: Internet (200 GB per month), DT Intra-Region: (0 TB per month)

Amazon RDS for	No group	US West	0.00 USD	380.70 USD
MySQL	applied	(Oregon)		

Status: -

**Description**: Database

**Config summary:** Storage amount (100 GB), Storage for each RDS instance (General Purpose SSD (gp2)), Nodes (1), Instance type (db.m1.large), Utilization (On-Demand only) (100 %Utilized/Month), Deployment option (Multi-AZ), Pricing strategy (OnDemand)

https://calculator.aws/#/estimate 1/2

### Acknowledgement

AWS Pricing Calculator provides only an estimate of your AWS fees and doesn't include any taxes that might apply. Your actual fees depend on a variety of factors, including your actual usage of AWS services. Learn more

https://calculator.aws/#/estimate 2/2