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CLOUD+

A BEGINNER'S GUIDE TO EXPLORING AWS COSTS BY ADDING SERVICES, SELECTING INSTANCES, AND ASSIGNING PRICES IN THE AWS PRICING CALCULATOR

TEBOGO MATSEDING

EDUV7276134 | Eduvos Midrand Campus

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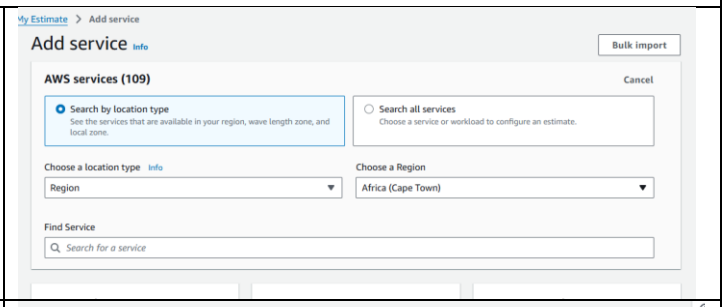
Introduction

In this project, we explore the AWS Pricing Calculator. The goal is to learn how much AWS services cost by adding components like EC2 instances, storage, and different pricing models. Instead of just reading about pricing, we actually build out a mock configuration to see how costs are calculated.

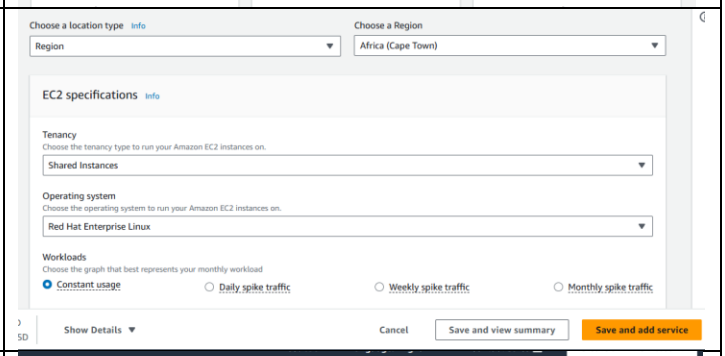
Region Selection

AWS has different pricing range depending on region this is not the only factor but an important one.



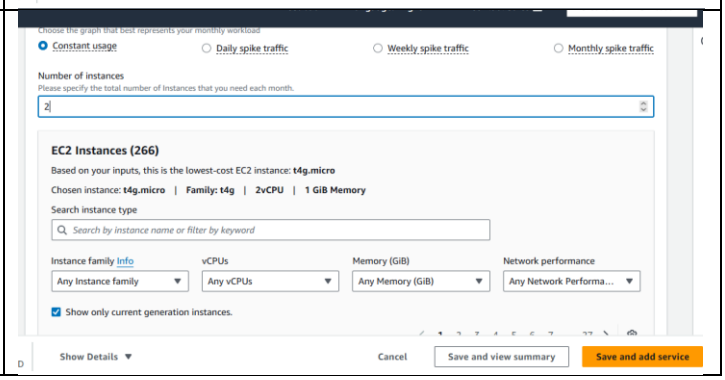
Services Selection

Next, we need to decide the AWS service want to use, in this case we will be looking to run EC2 however AWS has over 150+ services to choose from.



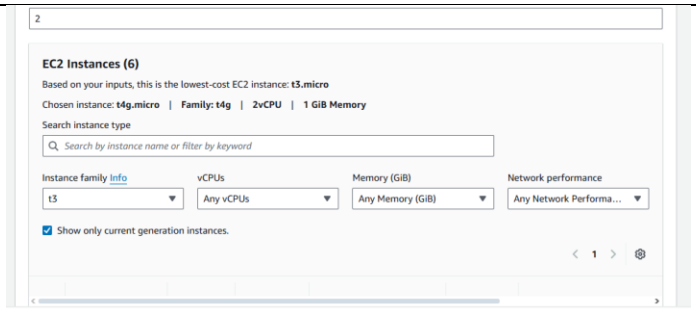
Instance(s) Selection

Since we are selecting EC2 we need to select the number of EC2 instances we would like to add basically how many servers we want.



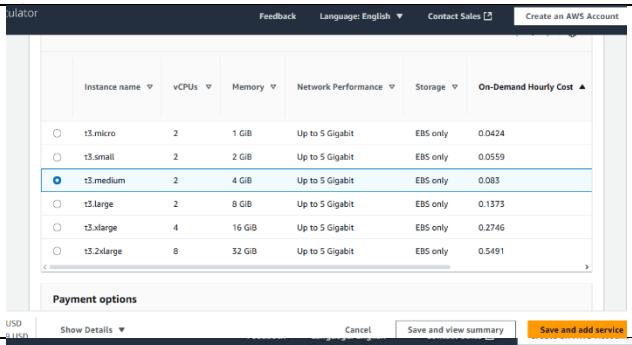
Instance Family

An Instance Family is a category of servers we want work with we are basically selecting the hardware's we want our server(s) to use.



Using T3 Medium Instance

We select are the t3.medium instance for our example. It has a balance of CPU and memory, making it affordable and good for light workloads or testing environments.

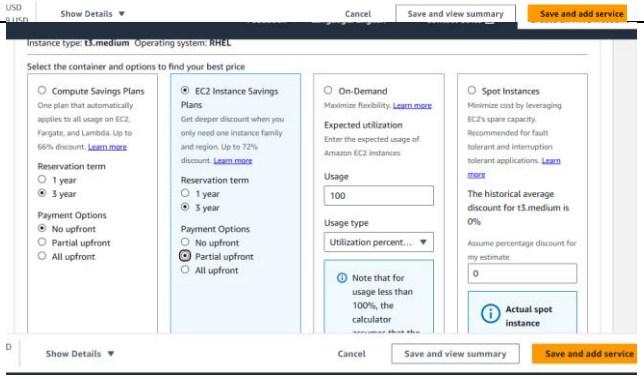


Pricing model EC2 options

(Instance Savings Plans with the Partial Upfront)

EC2 has several pricing options like:

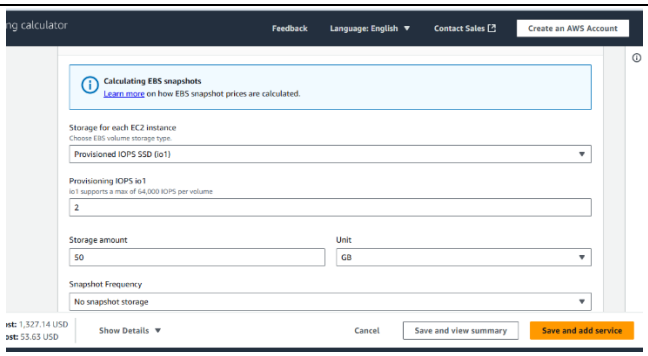
- On-Demand: Pay only for what you use, no commitment.
- Savings Plans: Flexible commitment option with discounts.



Set the storage for each EC2

(with Provisioned IOPS SSD with 2 IOPS per volume and the storage amount of 50GB)

Every EC2 needs some disk storage. In the Pricing Calculator, we add storage 30 GB of General-Purpose SSD) to our instance



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