Member Portal Costs

EC2 Costs

1. Production
   1. Ec2 type : T3.medium
   2. Cost : 0.102/ Hr
   3. Total Cost per month = 0.102 \* 730 + EBS = 85$ USD
2. Stage
   1. Ec2 type : T3.medium
   2. Cost : 0.102/ Hr
   3. Total Cost/ Month = 0.102 \* 12 ( Hours ) \* 23 ( Days ) + EBS = 39$
3. Dev
   1. Ec2 type : t3.micro
   2. Cost : 0.063 / Hr
   3. Total Cost/Month = 0.062 \* 12 ( hours ) \* 23 ( work Days Monthly ) + EBS = 30$

RDS Costs

1. RDS MariaDB Production
   1. db.t3.medium
   2. 100$/Month
2. RDS MariaDB stage
   1. db.t3.medium
   2. 50$/Month

**Total : > 310$/Month**

Costs Associated with Data Products.

**Currently Active**

1. RDS instances :-
   1. Db.t3.micro
   2. 40$ / Month
2. Ec2 instance :-
   1. t2.micro
   2. 10$ / Month

**Total :- > 50$/Month USD**

Note :- We are trying out new services as of now ( Lambda, AWS Glue, EMR ), so the experimental will be addition to the above quote

**Anticipated in the Future.** ( these services may or may not be used based on the data and the pace at which we get data )

1. AWS Glue Crawler, $0.44 per DPU hour , billed per second, with a 10 Minute minimum per crawler run
   1. No storage fee for glue catalog database
2. AWS Athena $5.00 per TB of data scanned
   1. ost savings and performance gains by compressing, partitioning, or converting

your data to a columnar format.

1. AWS quicksight.
   1. Standard edition $12/Month,
   2. Enterprise 24$/ month.
   3. This will be optional as we can do visualization using an ec2 with Streamlit
2. AWS Glue
   1. $0.44 per DPU-Hour for each Apache Spark
   2. $0.44 per DPU-Hour for each Python Shell job
   3. Consider an AWS Glue Apache Spark job that runs for 15 minutes and uses 6 DPU.The price of 1 DPU-Hour is $0.44. Since your job ran for 1/4th of an hour and used 6 DPUs, AWS will bill you 6 DPU \* 1/4 hour \* $0.44, or $0.66.
3. Possible AWS Services we may want ( determined by the data we get and the data product we build )
   1. AWS EMR
   2. AWS RDS