

AWS Costs

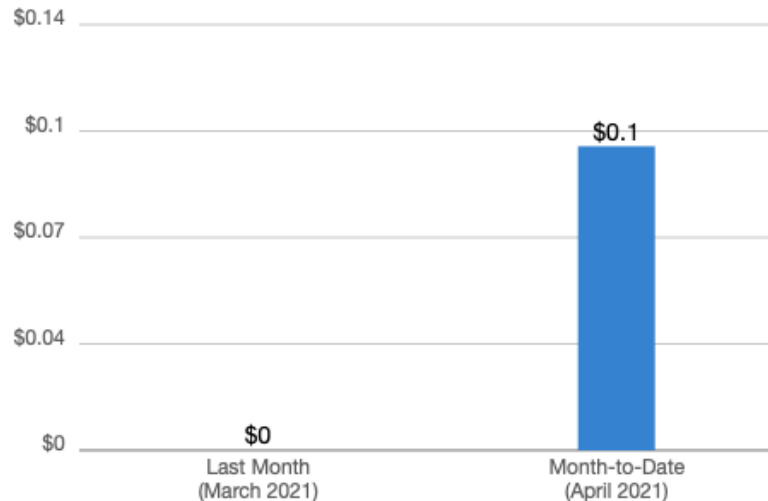
AWS costs are very minimal. While we only had the database running for 3-4 days in total, it only charged us \$0.10. If we assume there are 30 days in a month, and we had the AWS database running for 3 days, hosting the database through Amazon was about \$0.03/day. Since there are 30 days in a month and hosting a database on AWS costs roughly \$0.03/day, the monthly charge would be extremely affordable at around a dollar to a few dollars a month if only one database was hosted on AWS. Even hosting a few databases would still result in minimal costs. It is important to note that the team used the “free tier” database so real costs are most likely slightly higher than the costs that we incurred. Based on the “free tier”, the screenshots below display our usage. The free tier allows for 750 hours of RDS usage as well as an additional 750 hours for ec2 t2 or t3 micro instances.

In layman's terms, the ec2 and rds are what allows your system to be online for all your employees to use even when out of the office. The team would recommend that you take advantage of the free trial, especially considering the fact that Green Valley Auctions is new to an online (AWS) system. If you so choose to use the free trial, hopefully with the help of whichever top team you choose, you can have them help you to determine what size database you need to run efficiently and not be overcharged for a behemoth database that you simply don't need.

Top Free Tier Services by Usage			View all
Service	Free Tier usage limit	Month-to-date usage	
Amazon Relational Database Service	750 hours of Amazon RDS Single-AZ db.t2.micro Instances	42.40% (318.03/750 Hrs)	
Amazon Simple Storage Service	2,000 Put, Copy, Post or List Requests of Amazon S3	39.90% (798.00/2,000 Requests)	
Amazon Elastic Compute Cloud	750 hours per month of Amazon EC2 Windows t2.micro or t3.micro instance dependent on region	11.20% (84.00/750 Hrs)	
Amazon Elastic Compute Cloud	30 GB of Amazon Elastic Block Storage in any combination of General Purpose (SSD) or Magnetic	9.10% (2.73/30 GB-Mo)	
Amazon Simple Storage Service	20,000 Get Requests of Amazon S3	8.05% (1,610.00/20,000 Requests)	
Alerts & Notifications			

Current month-to-date balance for April 2021

\$0.10



To recap, using AWS to host your system as well as its databases would be a great idea! AWS has a very user-friendly user interface that is simple to use, so even a novice could take advantage of the limitless functionalities that Amazon provides. The costs are very manageable for Elastic Beanstalk as it bundles the services you need so you only pay for the resources themselves as opposed to Elastic Beanstalk. Both ec2 and RDS instances are relatively simple to manage and very affordable, as you can see from the screenshots we have provided. In conclusion, the developers you hire to set up your online system should be in good hands thanks to the simplicity of Amazon's AWS console and the efficiency/cost-effectiveness of the resources it provides.