

# Cloud Cost Analysis

ECEN 5873 – Embedded Interface Design

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Below are screenshots of estimated costs for choosing either Amazon Web Services (AWS) or Google Cloud. Estimates are based on the following components needed:

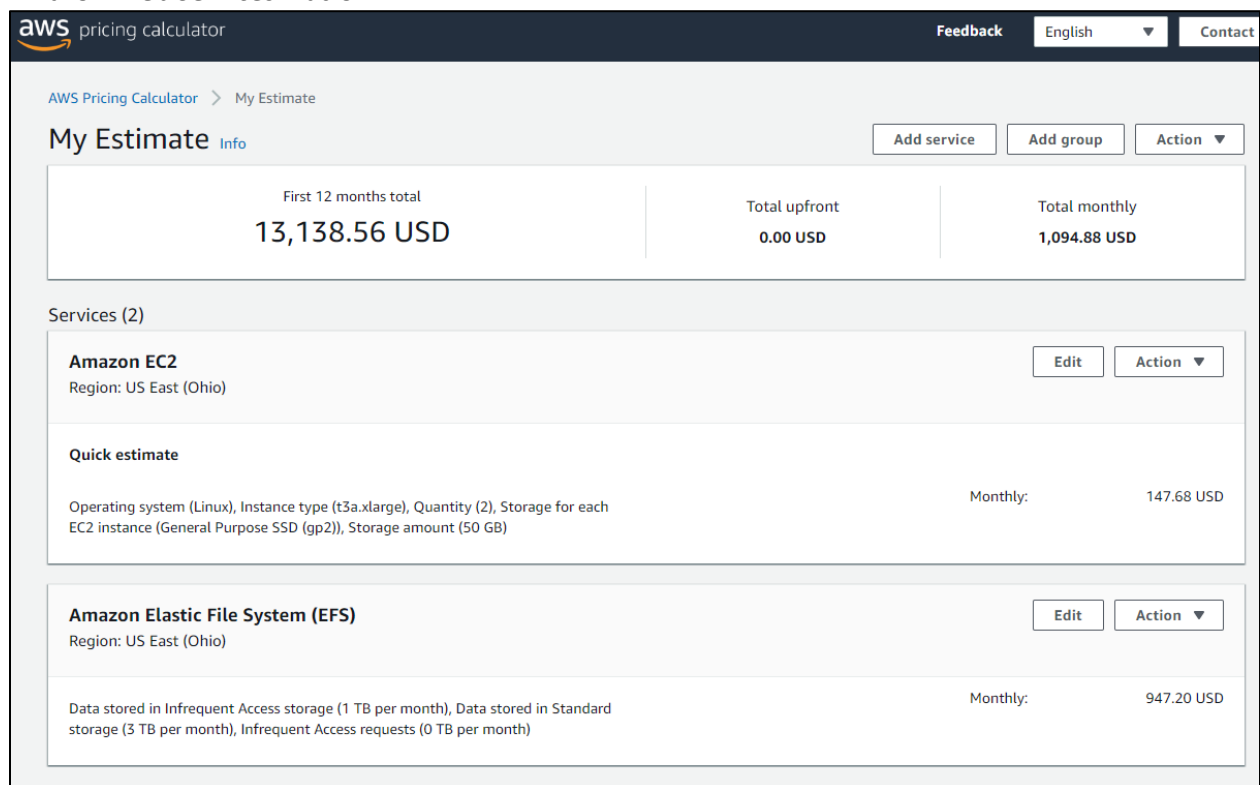
- 2 Linux VM Instances
- 5 TB total of data storage
  - 1 TB of SSD Provisioned Storage
  - 1 TB of Regional SSD Provisioned Storage
  - 3 TB of Standard Provisioned Storage

As expected per discussion in class, Google Cloud is the cheaper of the two platform options by a monthly total of **\$441.99** based on the rough estimate captured below.

**AWS Monthly Total: \$1094.88**

**Google Cloud Monthly Total: \$652.89**

## Amazon Web Services Platform



The screenshot displays the AWS Pricing Calculator interface. At the top, the AWS logo and 'pricing calculator' text are visible, along with 'Feedback', 'English', and 'Contact' links. The main heading is 'My Estimate' with an 'Info' link. Below this, a summary table shows the following values:

First 12 months total	Total upfront	Total monthly
13,138.56 USD	0.00 USD	1,094.88 USD

Below the summary, the 'Services (2)' section lists the components of the estimate:

- Amazon EC2**  
Region: US East (Ohio)  
Quick estimate  
Operating system (Linux), Instance type (t3a.xlarge), Quantity (2), Storage for each EC2 instance (General Purpose SSD (gp2)), Storage amount (50 GB)  
Monthly: 147.68 USD
- Amazon Elastic File System (EFS)**  
Region: US East (Ohio)  
Data stored in Infrequent Access storage (1 TB per month), Data stored in Standard storage (3 TB per month), Infrequent Access requests (0 TB per month)  
Monthly: 947.20 USD

Google Cloud Platform

Estimate

Compute Engine

2 x Grad Class Testing

1,460 total hours per month

VM class: regular

Instance type: f1-micro

Region: Iowa

Sustained Use Discount: 30%

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Effective Hourly Rate: USD 0.0053

Estimated Component Cost: USD 7.77 per 1 month

Persistent Disk

Iowa

SSD Provisioned Space: 1,024 GB

Standard Provisioned Space: 3,072 GB

Regional SSD Provisioned Space: 1,024 GB

USD 645.12

Total Estimated Cost: USD 652.89 per 1 month

Estimate Currency

USD - US Dollars

EMAIL ESTIMATE

SAVE ESTIMATE