PNNL PROJECT DEVOPS COST REPORT

By PNNL Devops Team

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Summarized Devops Cost Report for all the AWS Services

The estimates are provided for each month for services with recommended resources

AWS Service	Description	Cost for each month
Amplify	Used to build and deploy the front end react app	Cost for each month 10.25 dollars
Grafana	Grafana is used to show dashboards and visualizations	Cost for each month is 22.66 dollars
Airflow	Airflow is used to manage work flows	Cost for each month is 103.95 dollars
Influx DB	Influx DB is a time series database which is used by Grafana	The cost for running is 22.33 dollars
MySQL DB	MySQL DB is used by hunting service	The cost for running is 103.95 dollars
Redis	Redis is used for caching	The cost for running is 21.05 dollars
Cloudwatch	Cloudwatch is used for monitoring the AWS resources	The cost for running is 21 dollars
Total	The cost for running is 248.28 dollars	

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More detailed Cost Report can be found at

https://docs.google.com/presentation/d/1bXRQjJtvxacumiZao05njhjTySpyTQK3g5xDYKVkU2w/edit#slide=id.gaf43eba715_0_0

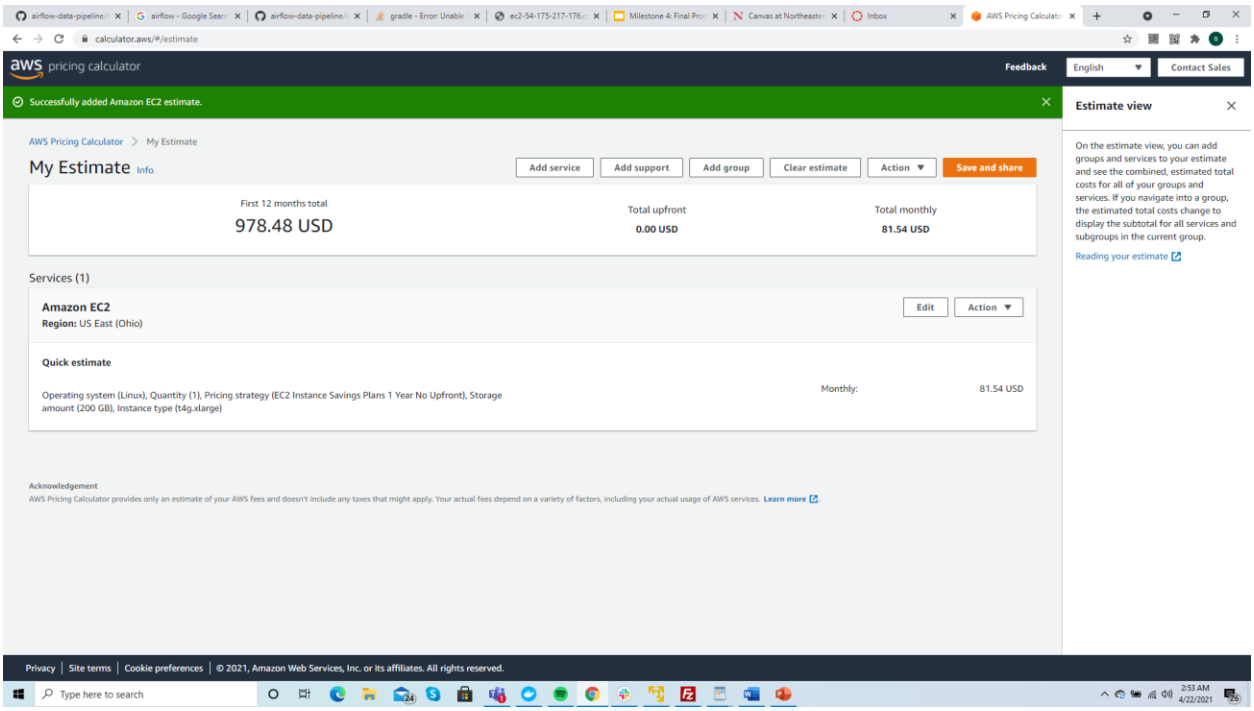
Cost for deploying Docker Images

We plan to containerize all the services as docker images and deploy them in EC2. In this way all the services run on a single machine and the cost is reduced.

We plan to use a EC2 instance with 16 GB RAM and 200 GB storage

The cost of running this service would be

https://calculator.aws/#/estimate?id=12ff3ee39c622bcc1e0686151a43e3ccd39366e1


calculator.aws/#/estimate
aws pricing calculator
Feedback
English
Contact Sales
Successfully added Amazon EC2 estimate.
Estimate view
On the estimate view, you can add groups and services to your estimate and see the combined, estimated total costs for all of your groups and services. If you navigate into a group, the estimated total costs change to display the subtotal for all services and subgroups in the current group.
Reading your estimate
AWS Pricing Calculator > My Estimate
My Estimate Info
Add service
Add support
Add group
Clear estimate
Action
Save and share
First 12 months total
978.48 USD
Total upfront
0.00 USD
Total monthly
81.54 USD
Services (1)
Amazon EC2
Region: US East (Ohio)
Edit
Action
Quick estimate
Operating system (Linux), Quantity (1), Pricing strategy (EC2 Instance Savings Plans 1 Year No Upfront), Storage amount (200 GB), Instance type (t4g.xlarge)
Monthly:
81.54 USD
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
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