Set up cost management and optimization strategies to ensure efficient resource utilization.

Ebuka Obiakor – 14th March 2024

AWS Billing and Cost Management provides a suite of features to help you set up your billing, retrieve and pay invoices, and analyze, organize, plan, and optimize your costs.

Billing and payments

Understand your monthly charges, view, and pay invoices, and manage preferences for billing, invoices, tax, and payments.

- **Bills page** Download invoices and view detailed monthly billing data to understand how your charges were calculated.
- **Purchase orders** Create and manage your purchase orders to comply with your organization's unique procurement processes.
- **Payments** Understand your outstanding or past-due payment balance and payment history.
- **Payment profiles** Set up multiple payment methods for different AWS service providers or parts of your organization.
- Credits Review credit balances and choose where credits should be applied.
- **Billing preferences** Enable invoice delivery by email and your preferences for credit sharing, alerts, and discount sharing.

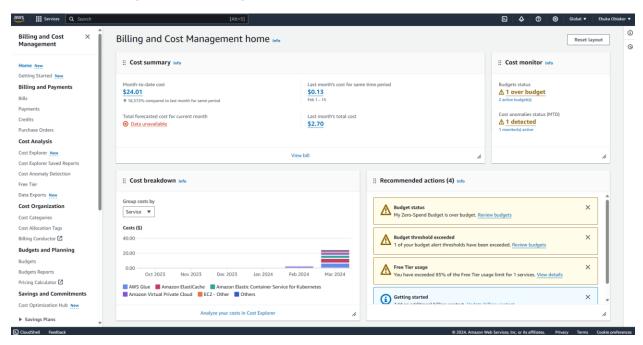
Cost analysis

Analyze your costs, export detailed cost and usage data, and forecast your spending.

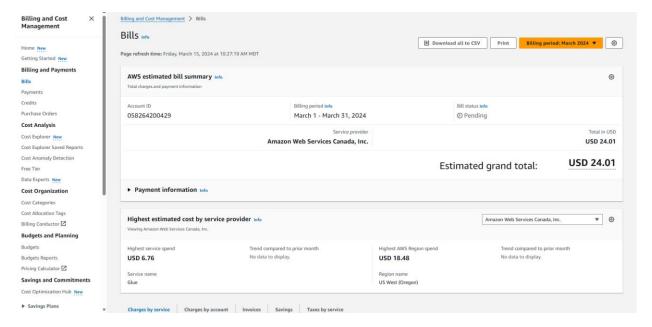
- **AWS Cost Explorer** Analyze your cost and usage data with visuals, filtering, and grouping. You can forecast your costs and create custom reports.
- Data exports Create custom data exports from Billing and Cost Management datasets.
- **Cost Anomaly Detection** Set up automated alerts when AWS detects a cost anomaly to reduce unexpected costs.
- AWS Free Tier Monitor current and forecasted usage of free tier services to avoid unexpected costs.
- **Split cost allocation data** Enable detailed cost and usage data for shared Amazon Elastic Container Service (Amazon ECS) resources.
- **Cost Management preferences** Manage what data that member accounts can view, change account data granularity, and configure cost optimization preferences.

DEMO

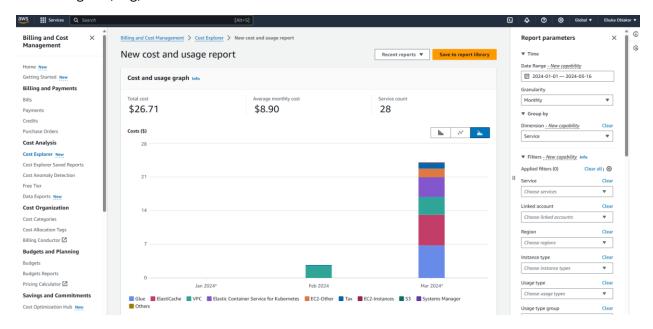
1. Select Billing and Cost Management from the AWS console



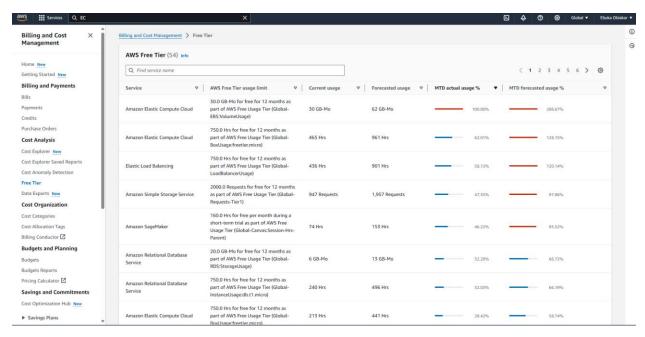
2. Navigate to any relevant section (Billing, Cost, Budgets, etc.) of need. In this case, I want to view my billing for March.



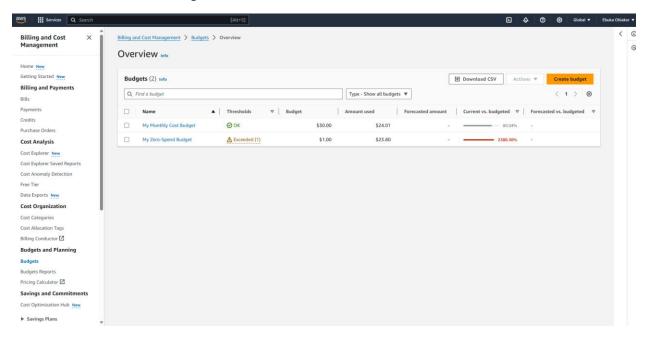
3. Navigate to cost management to view cost associated to different months, services, regions, tag, etc.



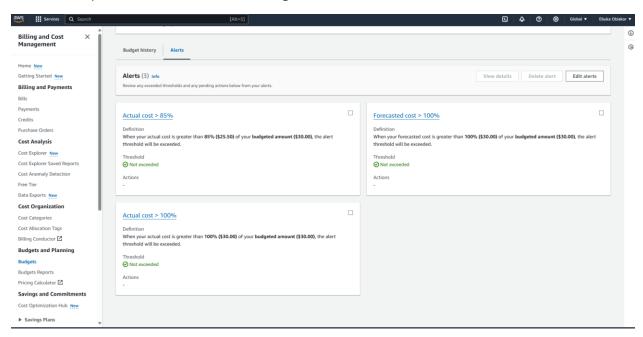
4. Can review AWS free tier usage



5. Create or review budgets.



6. Set up alerts for resource monitoring, notification, and automated action.



References

https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/billing-what-is.html https://youtu.be/t7lb395iyzw?si=F9oTJ8qMY_edp-v6 https://youtu.be/-n1ftTVF6gU?si=XqKjVbC2ZZrL6V8g