DEPLOYING MICRO-SERVICES APP ON AWS

Cost optimized application CI/CD model

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WHY CI/CD?

CI/CD is a powerful engine of software development and it has untold benefits for businesses such as:

- CI/CD pipelines Automation reduces the cost !

- Deliver faster,

  The business bottom line: Expensive developer resources aren't sitting idle when a successful CI/CD pipeline is in play
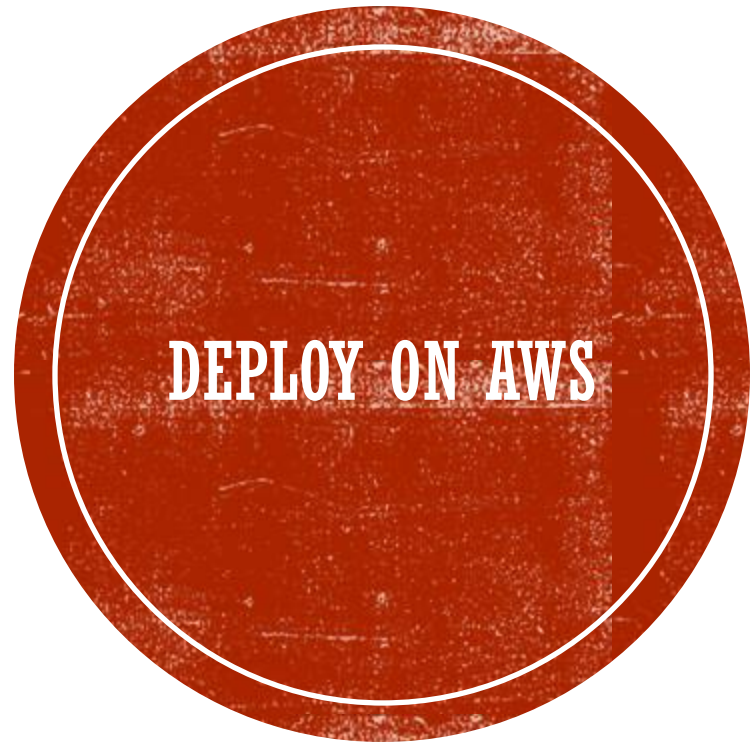
- Ensure superior code quality,

  That concept of "failing fast" means teams aren't wasting time or resources with buggy code , and devs aren't plagued with endless "fix" requests when they've moved on to other projects. ***Time is saved, money is saved.***

- Simplified rollback

  The ability to easily rollback code saves teams time, energy, and resources and leads to faster fixes of problem code.

DEPLOY ON AWS

Amazon Web Services (AWS) delivers reliable, scalable, and cost-effective computing resources on which to host your applications.

Businesses can consume applications that are hosted online,

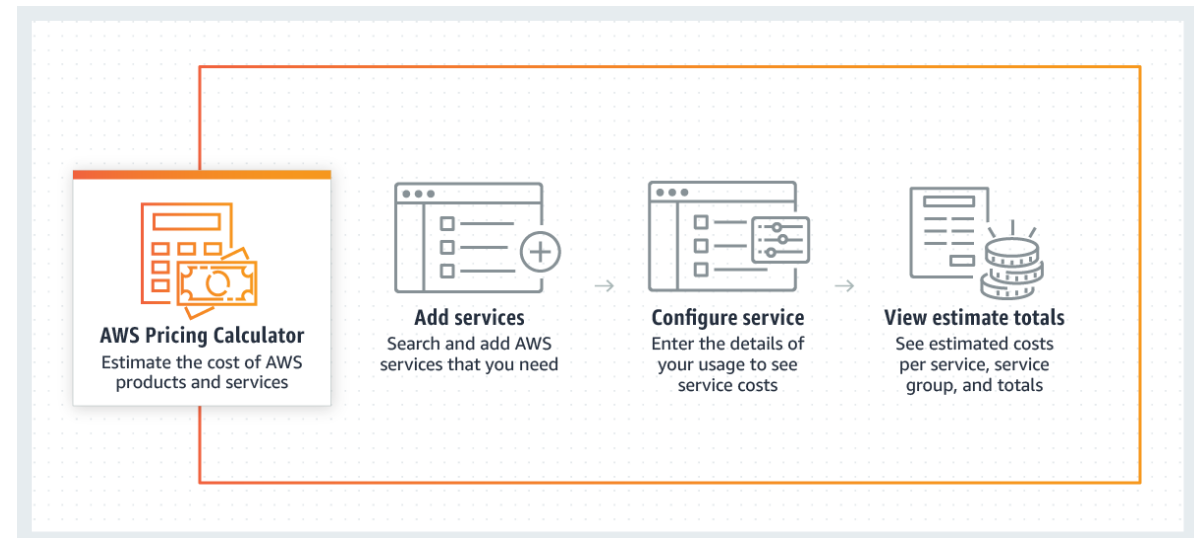| enabling them to lower their costs by paying only for what they use, | enjoy seamless and painless upgrades in functionality, | and integrate easily with their existing data and systems. |

COST OPTIMIZATION

Deploying applications on AWS cloud using CICD tools is superior in Time and Cost saving

- Most of the CICD tools are open-source tools which can be used for free with no need to buy license such as: Jenkins and Gradle.

- AWS provides a free pricing calculator that allows you to start your estimate with no commitment and explore AWS services and pricing for your architecture needs.

AWS Pricing Calculator
Estimate the cost of AWS products and services

Add services
Search and add AWS services that you need

Configure service
Enter the details of your usage to see service costs

View estimate totals
See estimated costs per service, service group, and totals

COST OPTIMIZATION

- Also, AWS services provide many financial management solutions. you can,

  - Organize and Report Cost and Usage based on User-Defined Methods

  - Manage Billing and Control Costs

  - Optimize Costs with Resource and Pricing Recommendations

  - Improved Planning with Flexible Forecasting and Budgeting

THANKS !

Hope it was helpful and convenient