

# CI/CD BUSINESS VALUE

Ahmed Elsayed

Udacity nanodegree scholarship

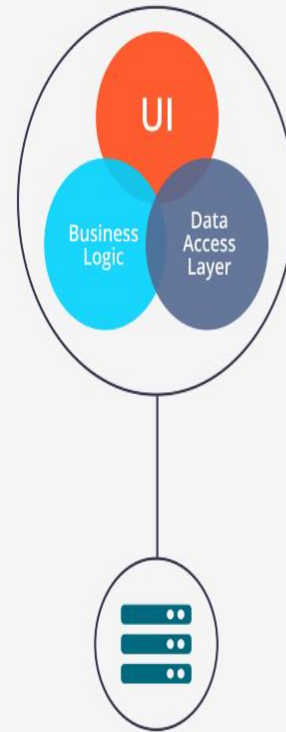
# Introduction

- Continuous Integration and Continuous Delivery
- The revolution of IT industry
- A key enabler to increase the efficiency of production and feature enhancements

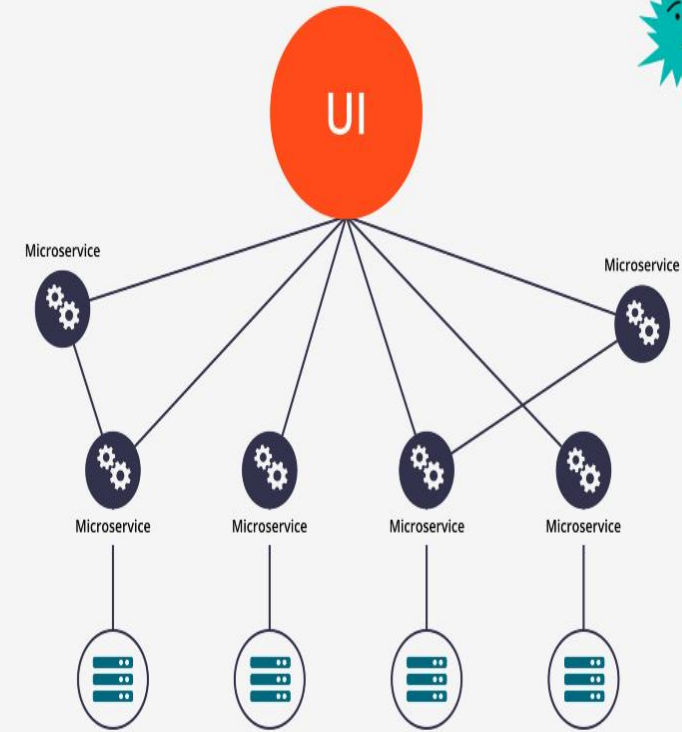


# What is CI/CD

- An engineering methodology adapted to the software delivery lifecycle
- The main concept is to automate building, testing and production environments in large scale applications
- Best fits with microservices architecture as shown



Monolithic Architecture

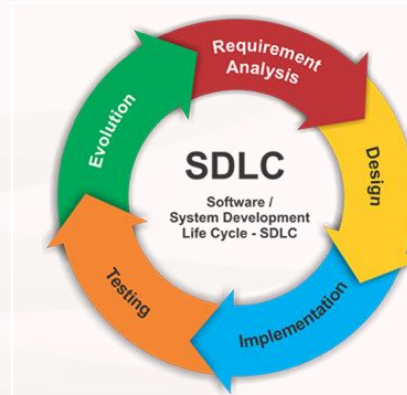


Microservice Architecture

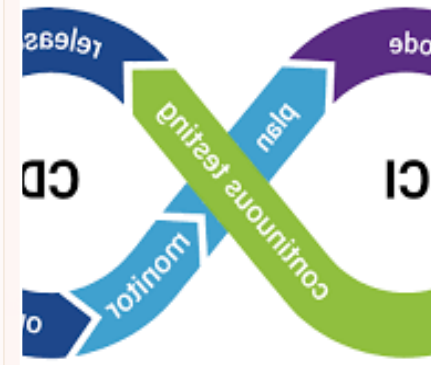


# Why CI/CD

- Achieve client satisfaction by leveraging the production environment
- Meet specifications with very little time
- Reduce the gap between tech and business-people



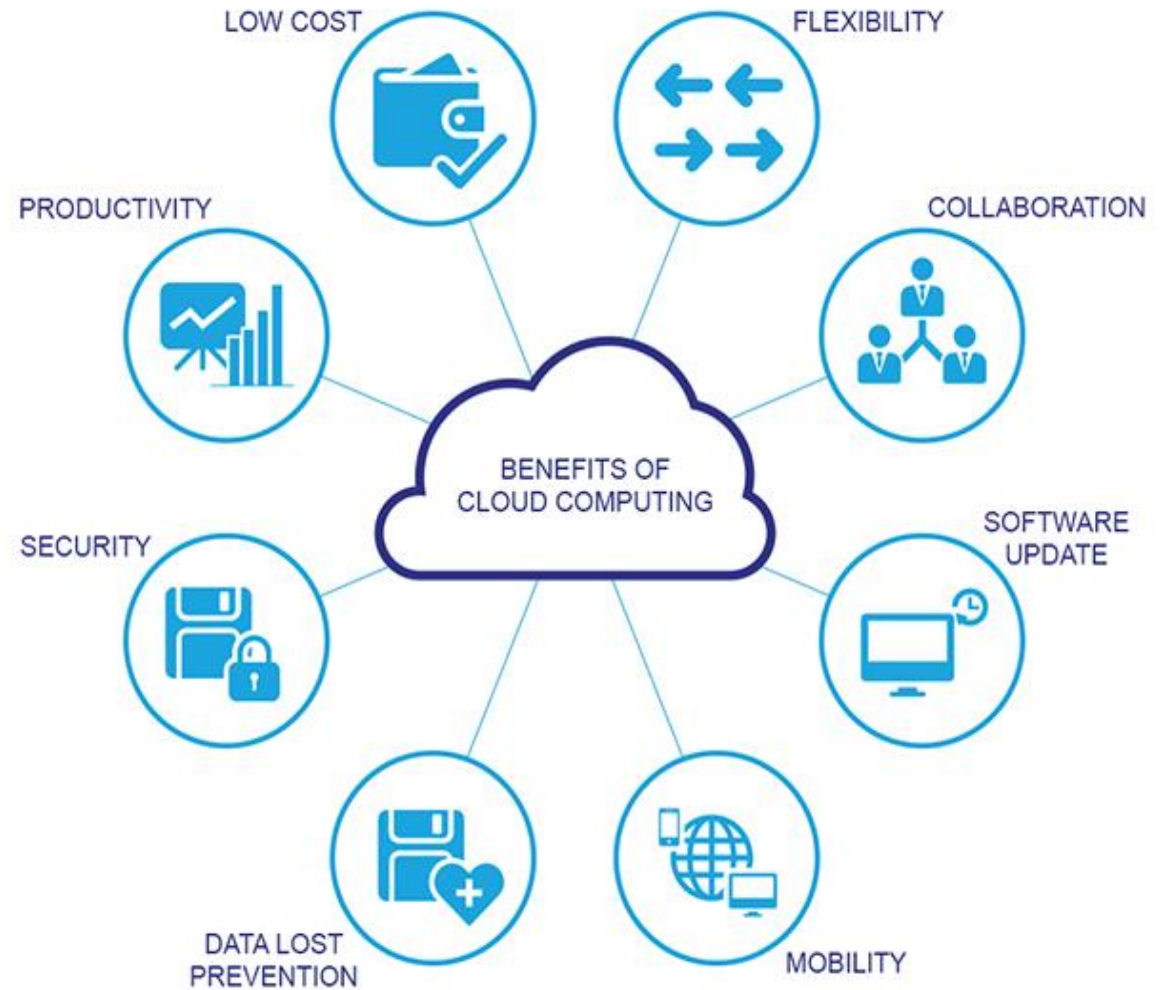
Software delivery life cycle



Continuous integration and continuous delivery

# Conclusion

- We can achieve profitability by adapting the CI/CD concept along with cloud solutions
- CI/CD enables us to reduce the downtime while delivering new features to the client
- We can reduce costs by decreasing the downtime cost
- We can gain high revenue by delivering lot of features to our products
- Increase the overall client satisfaction



# Market summary



Remote work is more popular than ever, and companies are thinking about tools that create effective communication across teams.



Market trends will continue rising based on projections, which provides an opportunity for greater business reach in the region.



Our product cost is low, which gives us a market advantage.



# Opportunities

## Market gap

Few, if any, products on the market help customers like we do

## Customers

66% of US consumers spend money on multiple products that only partially resolves their issue

## Financials

Millennials account for about a quarter of the \$48 billion spent on other products in 2018

## Costs

Loss of productivity costing consumers thousands of dollars

## Usability

Customers want something that is easy to use

The background features a close-up of green leaves on the left and right sides, with a central pink area containing a white geometric pattern of overlapping triangles.

# Thank you

Ahmed Elsayed  
Udacity Nanodegree  
Scholarship  
2022