Project 3

Fundamentals and benefits of CI\CD

What is Continuous integration/Continuous Deployment

Continuous integration and continuous deployment (CI/CD) is defined as a set of operating principles and capabilities that enables software changes to be delivered to users in a timely, repeatable, and secure manner by introducing automation into software development processes.

Benefits of CI/CD

The following are the benefits of CI/CD which will help the organization in creating revenue, protecting revenue, control costs and reduce costs.

1. reduced deploy errors: This will help reduce production downtime thereby also protecting revenue.

2. Faster product delivery: if a new security feature is required, your team can use CI/CD and automated testing to introduce the fix to production systems faster and with higher assurance. What used t o take weeks or months to finish can now be completed in days or even hours. which will lead to an increase in revenue for the organization

3. Customer Satisfaction: If a customer is satisfied with the products and features delivered, the organizations revenue is increased. That is, customers will use the product or feature more often and also refer other individuals leading to having new customers and an increase in revenue.

Conclusion

With the benefits of CI/CD shared in the slide above , I believe it has given the organization more insights and belief on the benefits the organization stands to gain if the implementation of CI/CD can be approved.