Business benefits of Implementing CI/CD

Agenda

Continuous Integration/ Continuous Deployment CI/CD

✓ **Continuous Integration is the practice of automating the integration of code changes from multiple contributors into a software project. It simply means merging developers working copies of code to a shared mainline several times a day**

✓ **Continuous Deployment is away in which value is delivered frequently through automated deployment**

✓ **CI/CD equates to Continuous Delivery which is a paradigm in which teams release values in short cycles**

✓ **The goal is to deliver quality software to users in short cycles**

Values Derived from Incorporating CI/CD

- **Quicker failure detection leads to rapid release rates thereby faster time to market. Faster time to market results in increase in revenue**

- **Code quality increases with CI/CD automation thereby increasing the ROI**

- **Automation in the CI/CD pipeline minimizes the number of defects or bugs that occur in CI/CD steps. This reduces the developer's time and effort and minimizes the cost.**

- **Less human error leads to quicker deployment thereby optimizing cost**

Summary

- **All in all, the faster deployment, consistent code quality that CI/CD provides leads to cost optimizations and increased revenue for businesses.**

Thank you!