Why we should use Ci/CD ?

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Agenda
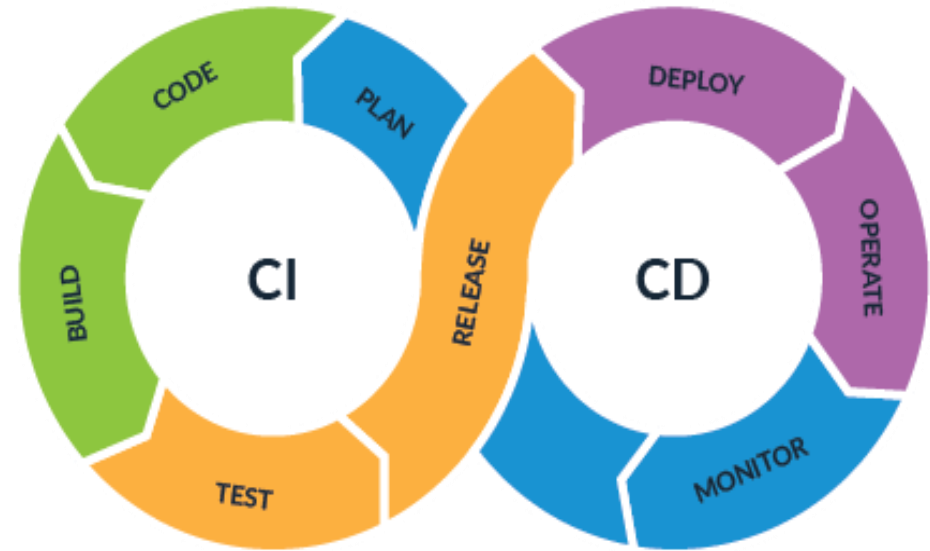
- What is CI/CD?

- Benefits CI/CD

- Cost Optimization

- Conclusion

Presentation Title

What is CI?

- Continuous integration (CI) is the practice of automating the integration of code changes from multiple contributors into a single software project.

What is CD?

- Continuous deployment (CD) is a strategy in software development where code changes to an application are released automatically into the production environment making changes that are visible to the software's users.

Benefits of CI/CD

1

Reduced risk
Finding and fixing bugs late in the development process is expensive and time-consuming

2

Deliver faster
Teams can build, test and deploy features automatically in a short time

3

Less manual effort
Automation is a vital component of having a successful CI/CD implementation and avoid typical manual errors and effort
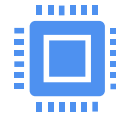
4

Monitoring and logs
Observability is a mechanism to study the system and Logs are information to understand what is happening

5

Make easier rollbacks
Teams can roll back changes quickly and it's easy to immediately return the application to its previous state in error case
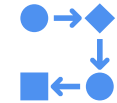
Cost Optimization

Add
Reduced deploy errors helps to safe and reduce time from crash or bugs associated with deployment

Add
Customer requests are met with ease and urgency with continuous quality through this methodology

Add
Less complex, faster, and higher quality builds that encourage fast iteration

Conclusion

Both the technical team and the business team have to speak the same language and be in constant communication to achieve full understanding and have the same objective, which is to improve the quality of the company's products or services, CI/CD being a piece for this goal.