




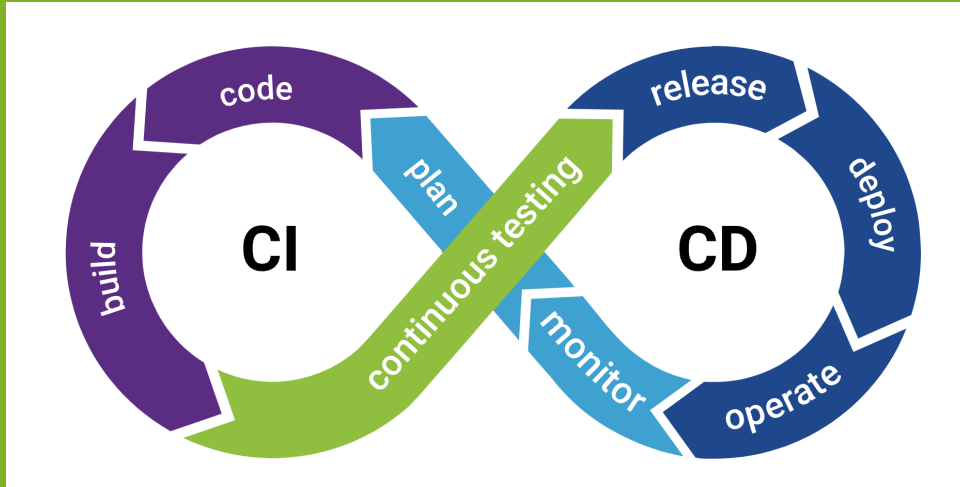
Udapeople

CICD Fundamentals and Benefits



CICD: Stands for **continuous integration** and **continuous delivery/deployment** which is used in a general way to present everything related to automation of the pipeline

- Continuous Integration (CI) is a software development practice where members of a team integrate their work frequently. Usually each person integrates at least daily – leading to multiple integrations per day.
 - Continuous Delivery/Deployment (CD) is the ability to continuously deliver integrated code, bug fixes or new features to production. Software can be deployed at any given time.
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- Everything is “**continuous**”

Goals of CICD

- Automatically: All the integration and deployment processes are automated
- Fast: Run fast, fail fast, deliver fast
- Cost: Saving human effort to do ton of things
- Less risk: Reduce the risks by the automation test, sonar scan, check security,...

LET'S DO IT - CICD

- Be a part of the modern/big/leading companies (Microsoft, Amazon, Google, ...)
- Try and feel it. Get feedback from your development team and compare with a non-CICD development team.
- Low cost – High productivity – Success