
CICD: NEW WAYS OF WORKING (WOW)

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FEW CHALLENGES -TRADITIONAL MODEL

- Excessive coordination needed for deploying multiple code bases
 - Single shared environment : A breakdown would halt everything
 - Manual testing coverage in a single environment resulting in delays for days or week.
 - Manual deployments based on decision taken during co-ordination activity
 - Lack of centralised monitoring resulting in often problems in production.
 - Delayed feedback resulting in late resolution of problems.
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CICD –THE NEW WOW

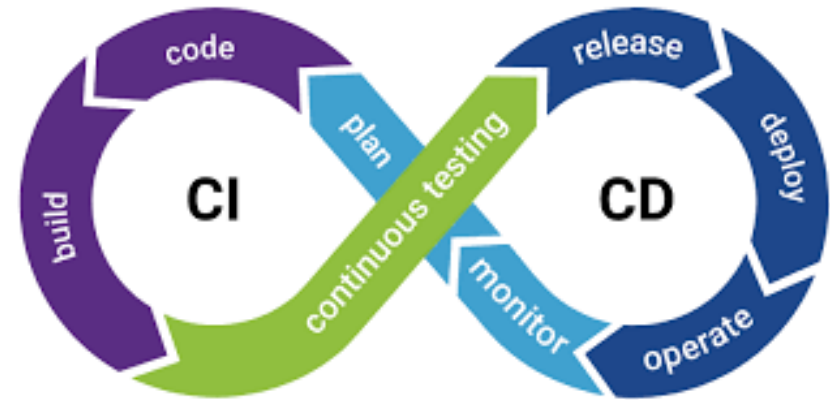
- CI and CD stand for continuous integration and continuous delivery/continuous deployment.
 - CI is a modern software development practice in which incremental code changes are made frequently and reliably. Automated build-and-test steps triggered by CI ensure that code changes being merged into the repository are reliable.
 - CD Process delivers the code quickly and seamlessly to Production.
 - The CI/CD pipeline refers to the automation that enables incremental code changes from developers' desktops to be delivered quickly and reliably to production.
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CICS –THE NEW WOW CONTINUED..

Why CICD:

CI/CD allows organizations to ship software quickly and efficiently.

CI/CD facilitates an effective process for getting products to market faster than ever before, continuously delivering code into production, and ensuring an ongoing flow of new features and bug fixes via the most efficient delivery method



BENEFITS OF CICD

- Repeatable Reliable Process
 - Automate Everything
 - Version Control Everything
 - Bring the Pain Forward
 - Build-in Quality
 - "Done" Means Released
 - Everyone is Responsible
 - Continuous Improvement
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