



CICD business value

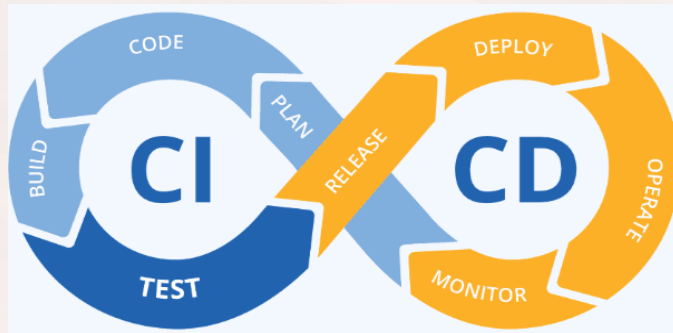
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CICD Overview

Continues Integration Continues Delivery

Continuous integration (CI) helps ensure that software components work together. Integration should be completed frequently; if possible, on an hourly or daily basis.

Continuous delivery (CD) picks up where continuous integration ends. While CI is the process to build and test automatically, CD deploys all code changes in a build to the testing ,staging environment or even production environment.



CICD Concept and Benefits

One-time setup

While the set up of a CI/CD pipeline can take time as it involves the configuration of workflows as well as the integration of processes and features, once it is in place, it does not require any further time being spent by a human on set up or maintenance.

Improving developers' productivity

Once the code is added to the repository, the developer can continue working while the testing takes place in the background. The delays in shipping the build, can be avoided entirely.

Faster time to market

By Accelerated Release Cycles ,CICD You can release software to production multiple times after thorough testing without compromising quality parameters. CI/CD always keeps the code in a release-ready state as changing code frequently is more of a routine now in modern software development.

CI/CD Concept and Benefits Cont.

Reduce Costs

- ✓ Automation in the CI/CD pipeline reduces the number of errors that can take place in the many repetitive steps of CI and CD (Fast Catch for the errors/Fast troubleshoot and Fix)
- ✓ Doing so also frees up developer time that could be spent on product development as there aren't as many code changes to fix down the road if the error is caught quickly.
- ✓ Another thing to keep in mind: increasing code quality with automation also increases our ROI.

Enhance Customer Experience

- ✓ Keep our customers happy with fast turnaround of new features and bug fixes.
- ✓ Adding new features and changes into your CI/CD pipeline based on the way your customers use the product will help you retain current users and gain new ones.
- ✓ keeps our product up-to-date with the latest technology and allows us to gain new customers who will select us over the competition through word-of-mouth and positive reviews.

Conclusion



Automate almost Everything in the software Releases life cycle



Enhances the Quality.
Increases Feature Set per time
Enhance the current customer experience and win new customers.
Overall improve the Brand and Raise the Sales



Our product cost is decreased,
Our sales increased.
Our **ROI** increased