



CI/CD – A Revolutionary Step

Presentation by:-

Archit R. Hinge
(Team Lead for UdaPeople)

What is CI/CD anyway?

Continuous Integration

The practice of merging all developers' working copies to a shared mainline several times a day. It's the process of "**Making**". Everything related to the code fits here, and it all culminates in the ultimate goal of CI: a high quality, deployable artifact

Continuous Deployment

A software engineering approach in which the value is delivered frequently through automated deployments. Everything related to deploying the artifact fits here. It's the process of "**Moving**" the artifact from the shelf to the spotlight

Continuous Delivery

An engineering practice in which teams produce and release value in short cycles. Continuous Delivery is an overarching paradigm or mindset that informs and enhances the practices of Continuous Integration and Continuous Deployments.



Benefits

□ Reduced costs:

1. Developer will spend less time on issues from new code as they will know exactly where they are failing.
2. Less infrastructure costs from unused resources. Unused resources will be automatically cleaned up.
3. Developers will be motivated and its better if they fail fast because it is less expensive to fix bugs soon in the development cycle.



Continued...

□ Avoid Cost

1. Security vulnerabilities can be prevented making software more robust.
2. Very few bugs found in production thus leading to less time in testing.
3. Less human intervention leading to faster deployments.

Continued..

□ Effect on Revenue

1. New features released frequently, generating more value and keeping clients happy.
2. Less time to promote software to market. Staying ahead of competitors.
3. Less downtime from crashes as bugs are found quickly from monitoring.
4. Even after failures production can be brought to working state using a quick undo.

THANKS!

ANY QUESTIONS?

You can find me at:

✉ archithinge9@gmail.com

