CI/CD
"Fundamentals and Benefits"

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Agenda

What is CI/CD ?

Continuous Integration + Continuous Deployment = Continuous Delivery

- Continuous Delivery: Produce and release value in short cycles.

- Continuous Integration: Merging developers' working copies to a shared mainline several times.

- Continuous Deployment: Delivering value frequently through automated deployments.

Why CI/CD ?

With CI/CD	**Without** CI/CD
Less human error	More human error
One click automated	Lots of manual steps
Less cost	Much more cost
Faster	Slower

Benefits

Description	Value
 ● Less bugs in production and less time in testing ● Prevent embarrassing or costly security holes ● Less human error, Faster deployments	Avoid Cost
 ● Less infrastructure costs from unused resources ● Less developer time on issues from new developer code	Reduce Cost
 ● New value-generating features released more quickly ● Less time to market	Increase Revenue
 ● Reduced downtime from a deploy-related crash ● Quick undo to return production to working state	Protect Revenue

Conclusion

Don't waste time debating whether continuous delivery is right for you, Now is the time to find out. Now, and later your business runs out of steam, you will have only yourself to blame.

This isn't so much about where you are in this journey. The fact that you have embarked on this journey will open up avenues of opportunities for your team to continuously improve!

It will broaden your horizon by helping you experiment without fear. And if you factor in your employees who won't burn out due to "midnight oil" releases, and people who get to work on making their own worlds better instead of propping up a building that's constantly falling apart.

The value becomes obvious.