

DevOps and Microservices: the Perfect Pairing

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Rocket Software



What is Microservices & Devops

Microservices

Methodology to develop small, independently deployed modules with well-defined interfaces as part of an application.

DevOps

A multidiscipline engineering practice that brings development, test and IT operations together

Software Development vs. Biz Value

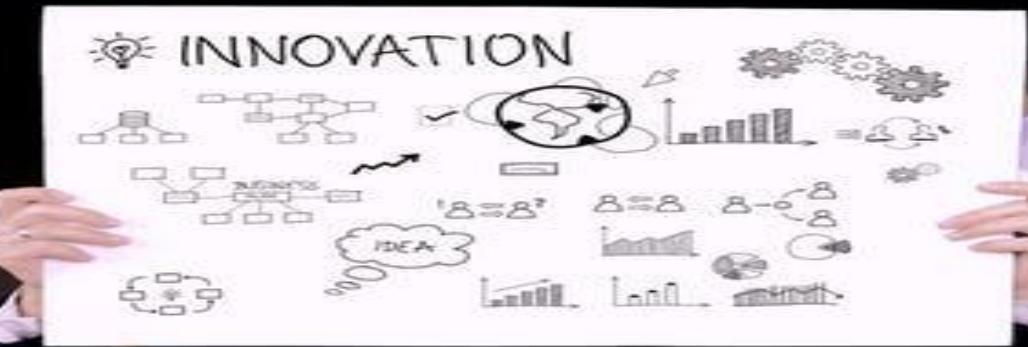
Every organization today is driven to generate business value but also wants to be cutting edge.

- Time to Market
- Customer Adoption
- Error Reduction



Innovation Alone Will Not Win

- Innovative ideas that did not meet acceptance (or even make it into the market)
 - Microsoft Vista
 - Copland by Apple
 - Google Glass
 - QR codes



Question of the Day

- Have you worked on product that never made it?
 - As teams moved from Waterfall to Agile and created DevOps-based operational processes, it allowed them to be more predictable and control small components quickly.
 - A key challenge with DevOps is dependency trees and integration matrices.
 - Teams spend multiple hours creating tools or implementing strategies to control those inefficiencies.

Need to Focus on “Hour of Bliss”



Making the customer experience magical

- In the pursuit to make that possible, companies try to be agile, do customer focus groups, have industry advisory reviews and more.
- But does all of that really helps achieve the goal?

If There Was a Pill You Can Take

How could you make DevOps better and still deliver on the customer promise?



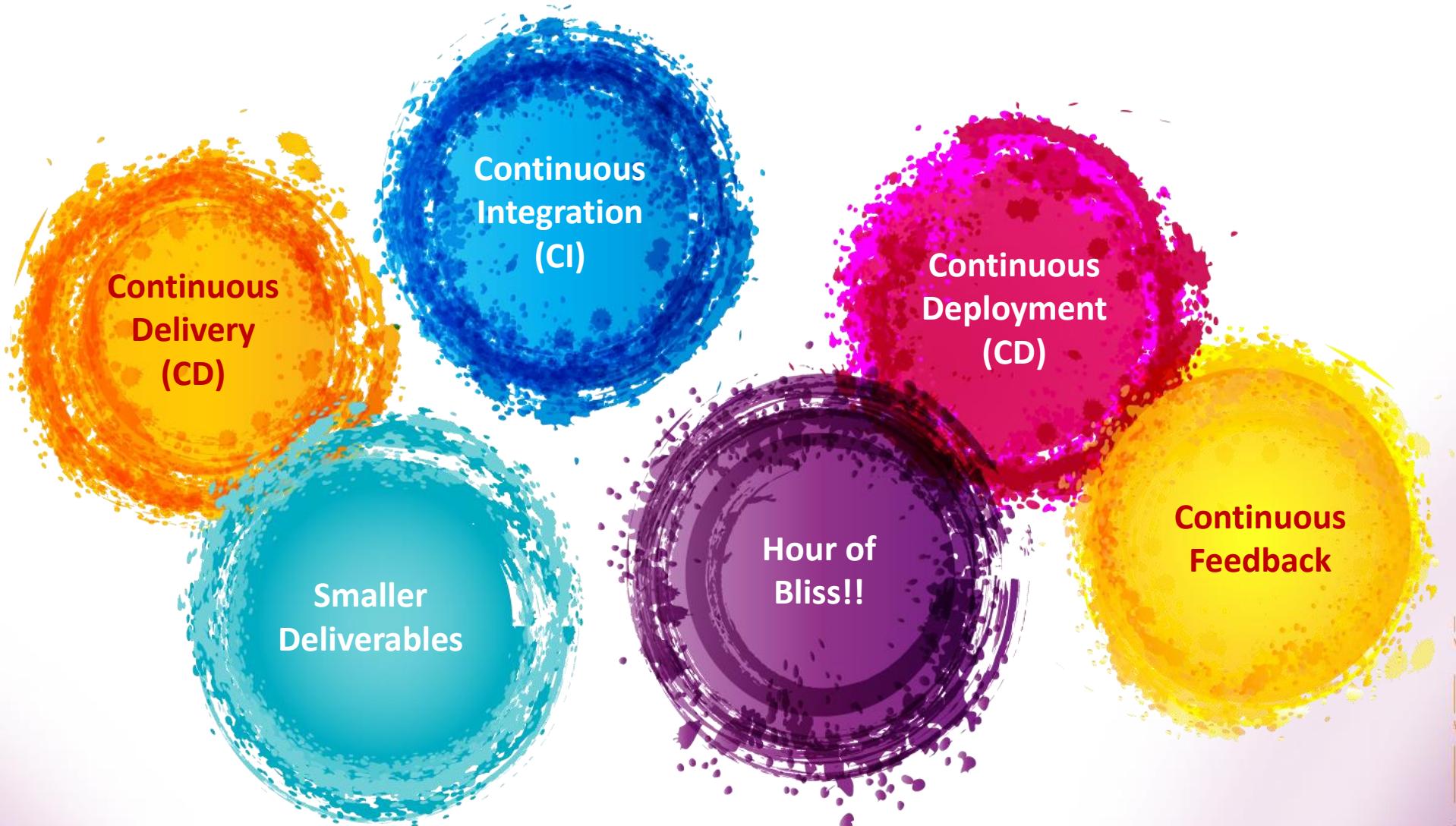
Solution - Microservices

- Microservices gave birth to small but complete teams
- Bridged the gap between UI – Middletier – Backend developers
- Brought PM, Quality, Dev, Release & Operations together

So you may Ask - Do You Redefine SDLC?

- As teams moved from waterfall to agile, they created DevOps-based operations and made them
 - Predictable
 - Higher Velocity
- It created more dependencies and caused more tool integration and process development.
- Eliminated – dependency and integration challenges

Concepts of Microservices



So How Do You Tie It All Together?

- You don't need a new SDLC
- DevOps and Micro services are foundational
- BDD, TDD, and Design Teams enable transforming from silo-ed holistic view
- Features can be visualized with every Epic and Story completion

The Perfect Pairing

- Introduction of mobile and cloud gave DevOps the focus and evolution it needed.
- Microservices is putting those concepts on steroids and accelerating the time to market for products.

Thank you!



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