Research Opportunities in Continuous Delivery

Reflections from Two Years' Experience in A Large Bookmaking Company

Lianping Chen, Paddy Power

Paddy Power

- 7 billion turnover
- 5000 employees (500 in IT)
- Relies heavily on an increasingly large number of custom software applications
- Thousands of servers

Continuous Delivery in Paddy Power

Continuous Delivery (CD) is a software engineering approach in which teams keep producing valuable software in short cycles and ensure that the software can be reliably released at any time.

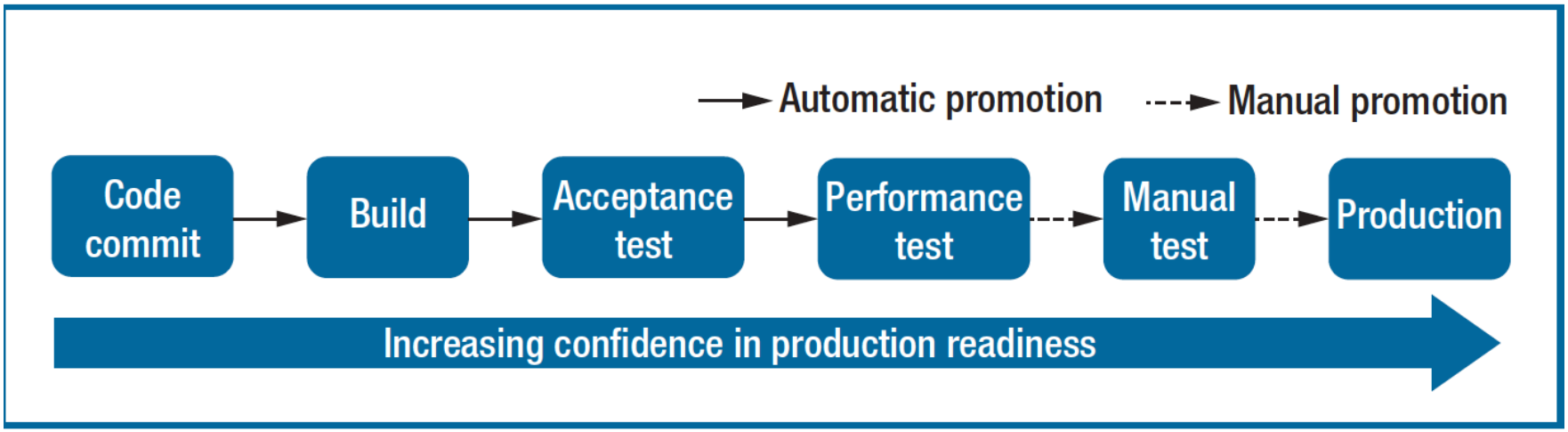

Figure 1: An example CD pipeline. (Source: L. Chen, "Continuous Delivery: Huge Benefits, but Challenges Too," IEEE Software, vol. 32, 2015.)

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Benefits Achieved

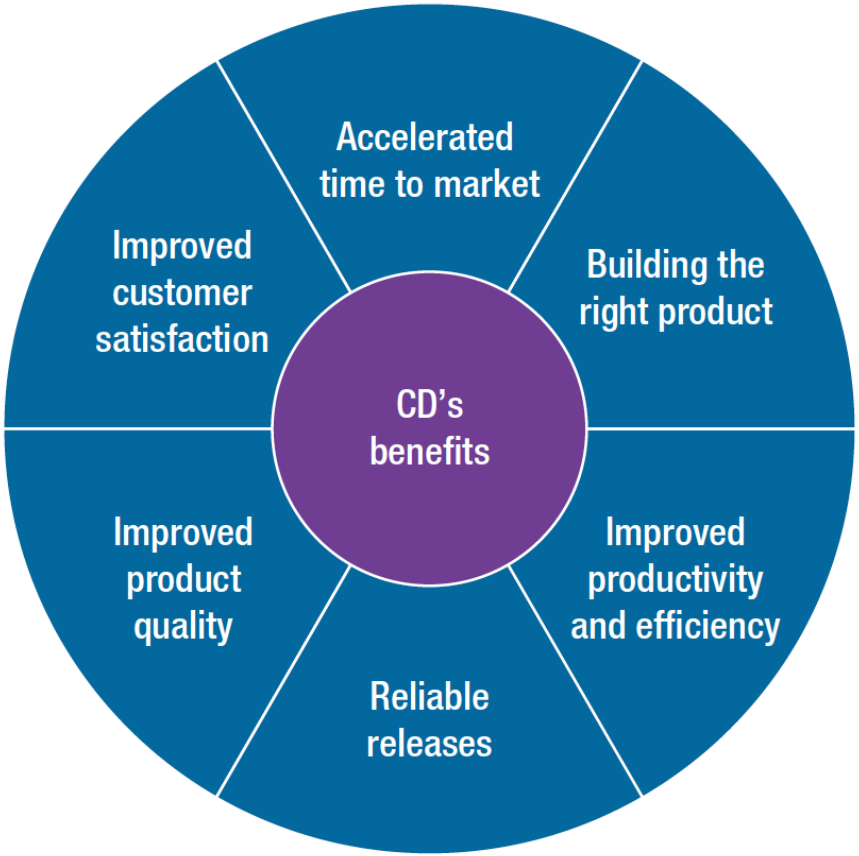

Figure 2: CD's Benefits (Source: L. Chen, "Continuous Delivery: Huge Benefits, but Challenges Too," IEEE Software, vol. 32, 2015.)

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Research Opportunities

- Organizational/Cultural
- Processes
- Technical

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