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Usage of Continuous Delivery Approach for Effective Software Development

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Business is becoming faster and faster...

As the result the following things are desperately critical

- Time to market
- Rapid feedback
- Predictable and minimal cost of changes



Agile is the answer

Following well-know methodologies exists

- Extreme Programming
- Scrum
- Kanban
- And more...



But some issues still exist

- Long delivery process as a whole
- Environmental issues
- Possibility to make feedback process more effective



Next step: Continuous Delivery (CD)

Combination of:

- Automated Testing
- Continuous Integration
- Continuous Deployment



General Scheme of Continuous Delivery

- Writing Code
- Committing Code
- Building, Unit Testing, Automated Functional Testing
- User Acceptance Testing
- Release



Acceptance Test Driven Development

- Closer collaboration
- Possibility to speak the same language
- Describe what but not how
- Release



Technical stuff for ATDD with CI/CD

- Hudson, Jenkins, TeamCity and more...
- GoGrid, Heroku and more...
- JBehave, Cucumber and more...



Role of Clouds

Really effective delivery approach because of:

- Almost no infrastructure delays
- Cost effective approach
- Get whatever, whenever and wherever you want



Real example

Solution for E-Commerce customer:

- Really poor understanding of desired result
- Huge corporation with appropriate limitations
- Incredible number of stakeholders
- Tight schedule



Thank You