Usage of Continuous Delivery Approach for Effective Software Development

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Grid Dynamics
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
- Commiting 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