TOWARDS POST-AGILE DEVELOPMENT PRACTICES THROUGH PRODUCTIZED DEVELOPMENT INFRASTRUCTURE

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Post-agile with CD

• Agile manifesto, the old way:
  • Individuals and interactions over processes and tools
  • Working software over comprehensive documentation
  • Customer collaboration over contract negotiation
  • Responding to change over following a plan
Post-agile with CD

• Agile manifesto, the old way:
  - Individuals and interactions over processes and tools
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• More like?
  • Processes & tools supporting individuals and interactions
  • Valuable software
  • Customer collaboration with access to end user data
  • Change is an everyday phenomenon
Case Companies

- A special unit of 20 – 30 persons on Gofore side and 10 POs and 20 business analysts

~100 employees
~1000 employees
Uudistunut Fonecta.fi

Henkilöt ja yritykset yhdestä hausta

Haussa juuri nyt
- maanrakennus oulu
- ruokakauppa
- passiikva tampere
- palosaaren apteekki
- ravintola kuopio
- eläinlääkäri lahti
- asianajotoimisto
- kukkakauppa tampere
- muuttopalvelu

Uutta juuri nyt
Joko olet tutustunut veneilykartoihin Fonecta.fi sivuilta? Veneilykartat ovat nyt käytössäsi myös mobiilialoilla. Täällä löytyy vaikka ottipaikan kevaan kalastusreissuille! Tutustu veneilykartoihin täällä!
How to improve your business?
How to improve your business?

- Processes & tools supporting individuals and interactions
- Valuable software
- Customer collaboration with access to end user data
- Change is an everyday phenomenon
How to improve your business?

- Processes & tools supporting individuals and interactions
  - Infrastructure?
- Valuable software
  - Testing of business ideas?
- Customer collaboration with access to end user data
  - Feedback?
- Change is an everyday phenomenon
  - Rapid deploy and monitoring?

- Buzzword soup: Continuous Deployment and Rapid Feedback with Lean mindset? B-M-L cycle
Research questions

1. What kind of infrastructure is used in the development to enable rapid Continuous Deployment?

2. What are the beneficial feedback cycles in Continuous Delivery?

3. Which benefits of Continuous Deployment proposed in literature have been gained in practice?
the proof-of-concept phase
the process loops and tools
Results RQ1

- What kind of infrastructure is used in the development to enable rapid Continuous Deployment?
  - High productization
    + Speed of setup
    + A plethora of analytic data sources = feedback!
    + Known feedback loops
    - Low truck factor
    - Domain restrictions

- This sounds like something that could be sold?
Results RQ2

**RQ2:** What are the beneficial feedback cycles in Continuous Delivery?

- CD: in testing new ideas, quick feedback can be obtained from end users
- CI: feedback on commits
- Monitoring: feedback on technical quality
- All this gives end users what they want and need

- A little downside: too much data
Results RQ3

- **RQ3**: Which benefits of Continuous Deployment proposed in literature have been gained in practice?
  - R&D as an experiment system
  - Development as requirements elicitation
  - Team empowerment, anyone can promote their changes at will
  - Standard development environment AND standard analytics
  - High degree of control for development infrastructure
Questions?

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