Internet of DevOps (IoD)

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Evolution of Software Development

Past
Waterfall
Manual Integrations

Present
Agile
Scrum, Test Automation

Future
DevOps
Continuous Feedback between Development and Operational Phases

Shortening of Release Cycles / Towards Extended Digital Enterprises

Long iterations (e.g., releases every 18 months)
Point-to-point integration

Shorter iterations (e.g., every 6 months)
Enhanced people cooperation

Very short iterations (e.g., every weeks, or even days!)
Continuous Deployment
Big Data Analytics
Optimizing the value stream
Federated Environments

Frédéric Loiret, KTH & Sigrid Eldh, Ericsson
Lifecycle Reality at Ericsson

- Very large number of tools & legacy!

Picture from Mats Berglund, Ericsson
• **Digital Enterprise**: Relying on Internet for connecting DevOps assets throughout the development & operational product lifecycle
• Integration solutions “as a Service”
**Expected Outcomes**

- Support agile development incl. **continuous integration** using **many tools** across distributed development teams

- **Continuous end-to-end feedback** to the developers from analysis/testing/simulation activities

- Scale up test automation processes with **very large engineering data sets**

- **Monitor and analyze data** produced throughout the whole development lifecycle

- Handle **legacy** tools

- **Data visibility** tailored for different stakeholders in the value chain e.g., for developers, testing experts, product managers and decision-makers

- **Security** issues

→ **Potential kick-off date: Spring 2018**
Partners

- **Sweden**
  - Ericsson (telecom)
  - SAAB (aerospace)
  - Data Frame (SME)
  - KTH (univ)

- **Germany**
  - T-Systems (telecom)
  - Siemens? (industry)
  - AEB (SME)
  - CQSE (SME)
  - Univ. Stuttgart (univ)

- **Turkey**
  - Ericsson Turkey (telecom)
  - TurkCell? (telecom)
  - Enforma (SME)
  - Istanbul Technical University (univ)

- **France?**
  - Orange-Labs? (telecom)
  - Airbus? (aerospace)

**We are looking for:**

- Large companies (telecom and beyond)
- (Cloud-based) Solution Providers & Integrators
For more information and for interest to participate please contact:

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