

Notification Workflow

Video 3.4

What you will learn in this video

Theory:

- Types of notifications (passive vs active)
- Information radiators
- Extreme feedback

Practice:

- Implement the notification part of a CI workflow (build monitor and Slack)

What are notifications?

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- A CI server must **notify rapidly the right people** about any new issue

Passive vs Active Notifications

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Passive vs Active Notifications

- Passive (pull) notifications require the developer **to actively consult** the latest build status
- Active (push) notifications **proactively alert** the developer when something happens

Passive vs Active Notifications

Passive Notifications

- Email
- RSS feeds
- Build monitor view

Active Notifications

- Email
- Chat/Instant Messaging
- Text messages

Information Radiator

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- It's great to **spread a CI/DevOps/Agile culture** in the office
- **Build Monitor plugin** in Jenkins

Information Radiator

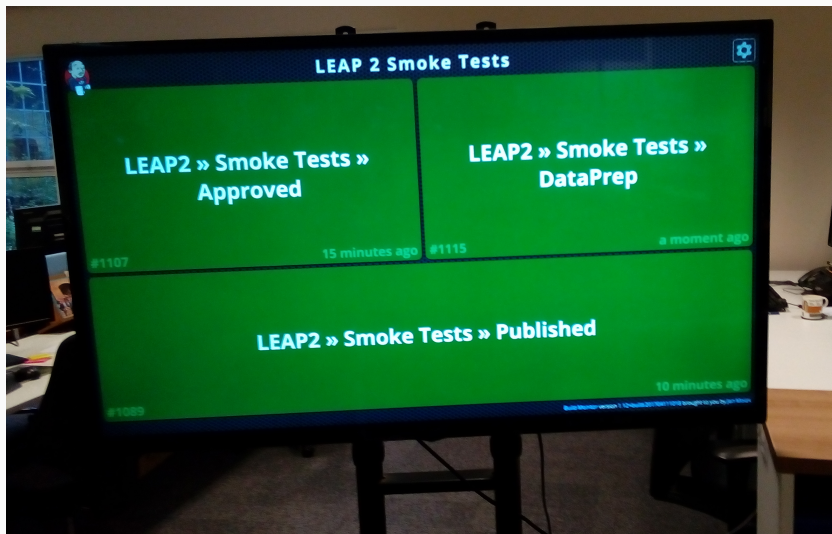


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Extreme Feedback

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- The alerts may even integrate **sound** (checkout the Sounds plugin in Jenkins)

Extreme Feedback

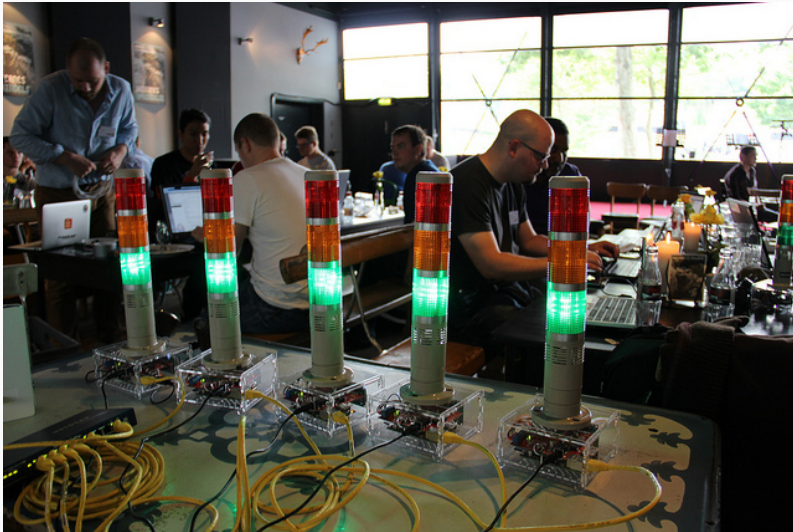


Photo by Kohsuke Kawaguchi ©

Find your Notification Strategy

- Find the best notification strategy for your team depending on:
 - small vs large team
 - co-located vs distributed team
 - open office vs separate rooms
 - tools already used in the team (email, chat, etc.)
 - critical vs less critical builds

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 - small vs large team
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 - tools already used in the team (email, chat, etc.)
 - critical vs less critical builds
- Use of mix of active and passive notifications

CI Workflow: Demo

maven

Build, Test, Package, and Deploy



Notify



slack

Trigger Job



CI Workflow: Demo

maven

Build, Test, Package, and Deploy

1. Set up a build monitor view

Notify



slack

Trigger Job



CI Workflow: Demo

maven

Build, Test, Package, and Deploy



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Trigger Job



1. Set up a build monitor view

2. Set up Slack notifications

Prerequisites

- A Slack account and workspace
- If you don't have them already, create a Slack account and workspace at <https://slack.com/create> - it's free

Review & Exercises



What you learnt in this section

Theory

- What is Continuous Integration, Continuous Delivery, and Continuous Deployment
- Maven build tool
- Types of tests
- Types of notifications

Practice

- Implemented a CI Workflow with GitHub, Jenkins, Maven, and Slack

Exercises and Solutions

Test what you learnt at

https://github.com/cirulls/hands-on-jenkins/blob/master/section_3/exercises

Next Section

Section 4 Pipeline as Code

