

www.immobilienscout24.de

IMMOBILIEN
SCOUT 24

Open Source Agile DevOps

OpenTechSummit 2015 | 12.05.2015 | Schlomo Schapiro
Systems Architect & Open Source Evangelist

@schlomoschapiro



<http://creativecommons.org/licenses/by-nd/4.0>

www.Immobilienscout24.de



- >2 billion PI per month
- 2 data center with ~1900 VM
- ~2.5 million outgoing email/day
- total of ~550 employees
- ~30 crossfunctional IT teams
- ~150 in IT
- 16 years in business



RPM

Icinga

YADT

Lab Manager Light

Linux

Windows

Tomcat

Jira

Subversion

Java

Python

Micro Strategy

MongoDB

Tibco

Maven

Adobe

Bash

PHP

MySQL

Hibernate

Elastic Search

VMware

jQuery

IntelliJ Idea

Oracle

Graphite

F5

Kibana

Logstash

Spring MVC

Confluence

.... Use Open Source Software

2009



Open Source:
Foundation of our IT Business

2011



<https://github.com/ImmobilienScout24>

2012



<https://yadt-project.org>

2015



The Cloud Challange

2011

www.immobilienscout24.de

IMMOBILIEN
SCOUT24

Open Source Software *Made by ImmobilienScout24*

Freigabeprozess

Schlomo Schapiro
Systemarchitekt & Open Source Evangelist



License: <http://creativecommons.org/licenses/by-nc-nd/3.0/>

Publish own software as Open Source
<http://goo.gl/l9zFbv>

Strategic sponsoring of Open Source
projects to solve internal problems
<http://goo.gl/PY2xdh>

2013

www.immobilienscout24.de

IMMOBILIEN
SCOUT24

Sponsoring von Open Source

und damit den Chef überzeugen

Köln | 15.10.2013 |
Systemarchitekt, Open Source Evangelist



License: <http://creativecommons.org/licenses/by-nc-nd/3.0/>

One Tool to Rule Them All

YADT is a next generation data center deployment and system management tool. It is based on two central components: central management of dependencies between services, systems and software packages, and using package based deployment for both software and configuration management.

Try it yourself.

What can YADT do?

Automatic service dependencies.

Dependencies between services are based on package dependencies. If your webapp package requires a *tomcat* package, that's all that YADT needs to know.



You're in control.

Running a command always has the same target outcome with **zero** undefined states inbetween. So even if a command fails, you have an ace up your sleeve and can simply restart it.

Reboot your servers.

YADT knows when your server needs to reboot. Lean back and watch while a single command brings all your servers up to date in every way.

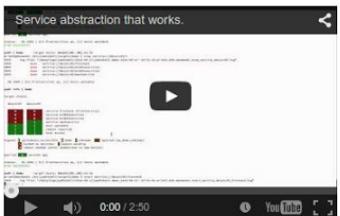


For people and machines alike.

Can be run by humans (interactive shell) or in an automated fashion (e.g. jenkins). A component (broadcaster) can expose customizable views of what is going on to your whole department.

Service abstraction that works.

Whether you use virtualized machines, lxc containers or real hardware, your machines are a set of services with dependencies. Using a loadbalancer, have monitoring? That's a service too. See everything with one glance.



Virtually no overhead.

No long-running processes or database foo. You like to KISS? So do we.



YADT
an Augmented Deployment Tool

<https://yadt-project.org>

YADT in an animated video



Manifesto for Agile Software Development

Individuals and interactions

over processes and tools

Working software

over comprehensive documentation

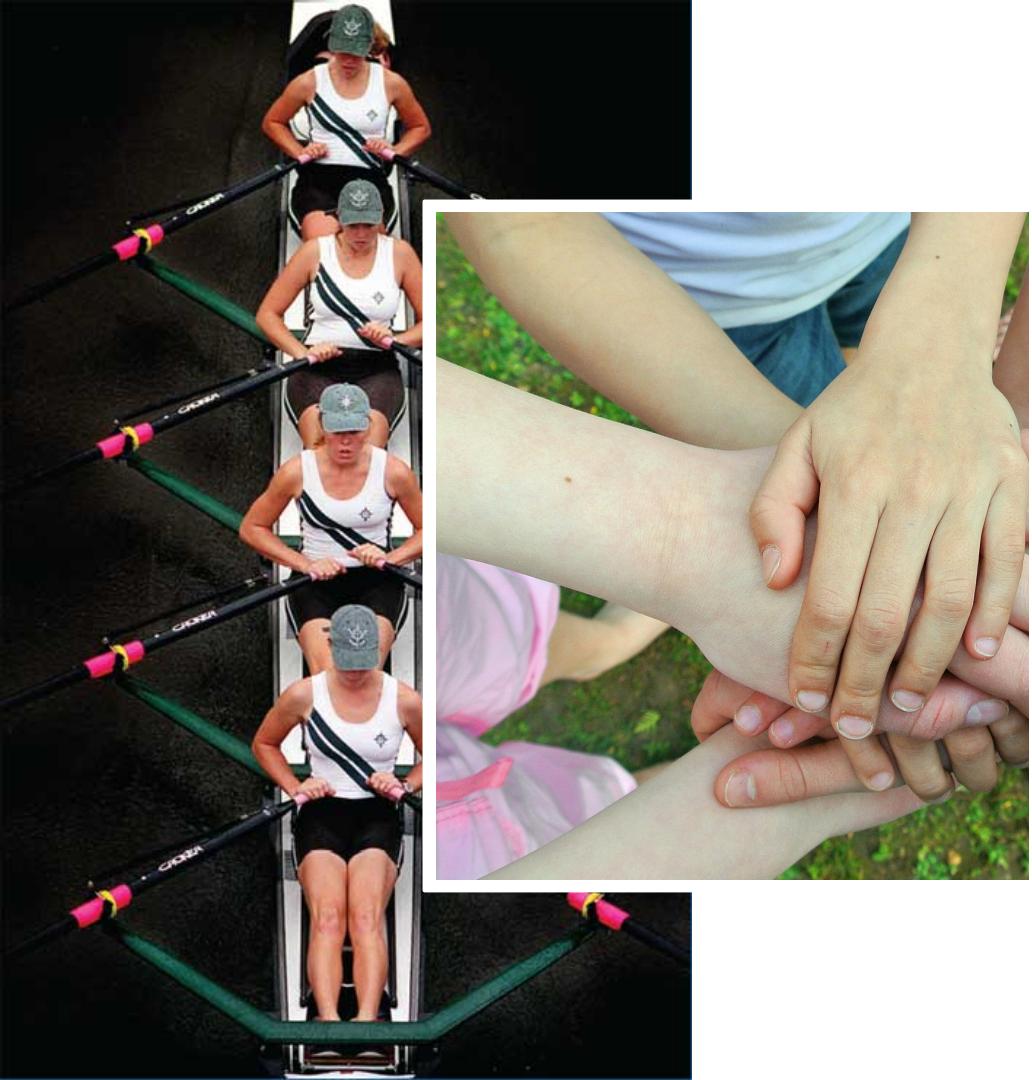
Customer collaboration

over contract negotiation

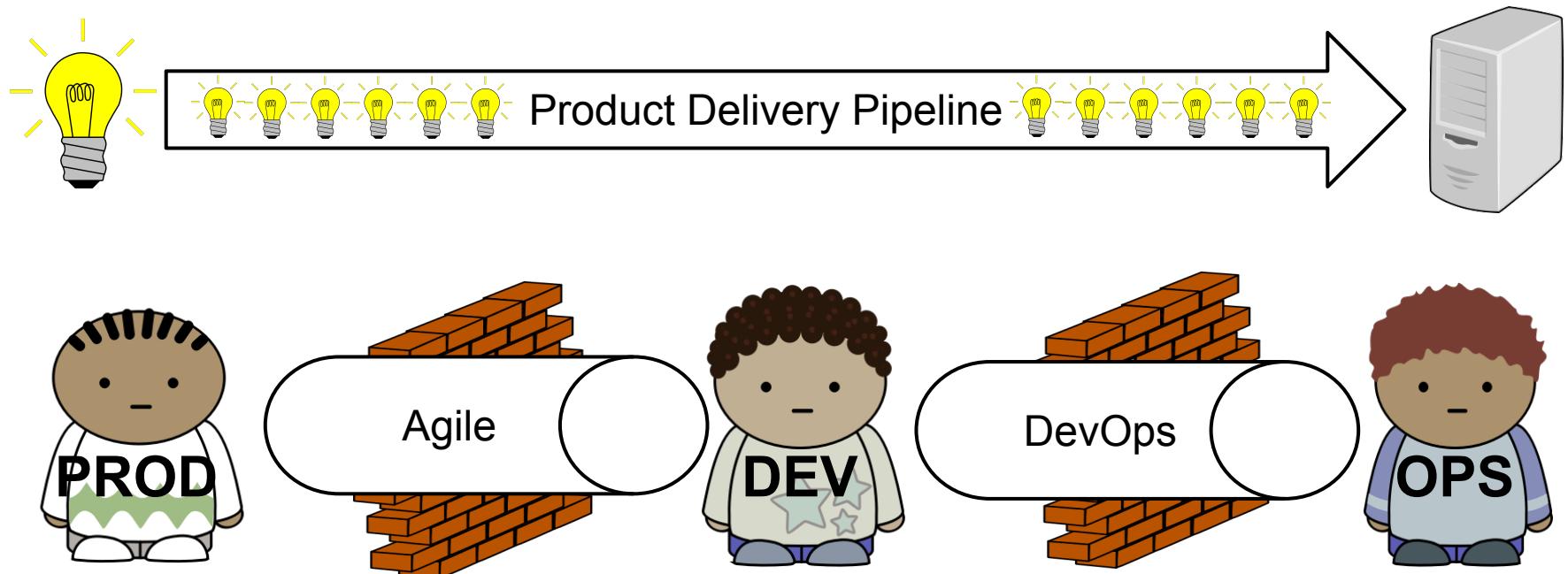
Responding to change

over following a plan

DevOps



Steve Jurvetson /flickr



2008/09

Software Development:
Going Agile with SCRUM

2011

1st DevOps project:
New RPM-based deployment toolchain

2012/13

Platform migration to RPM-based
deployment done by Ops & Dev teams

2014

Dev thinking in Ops:
Test Driven Infrastructure

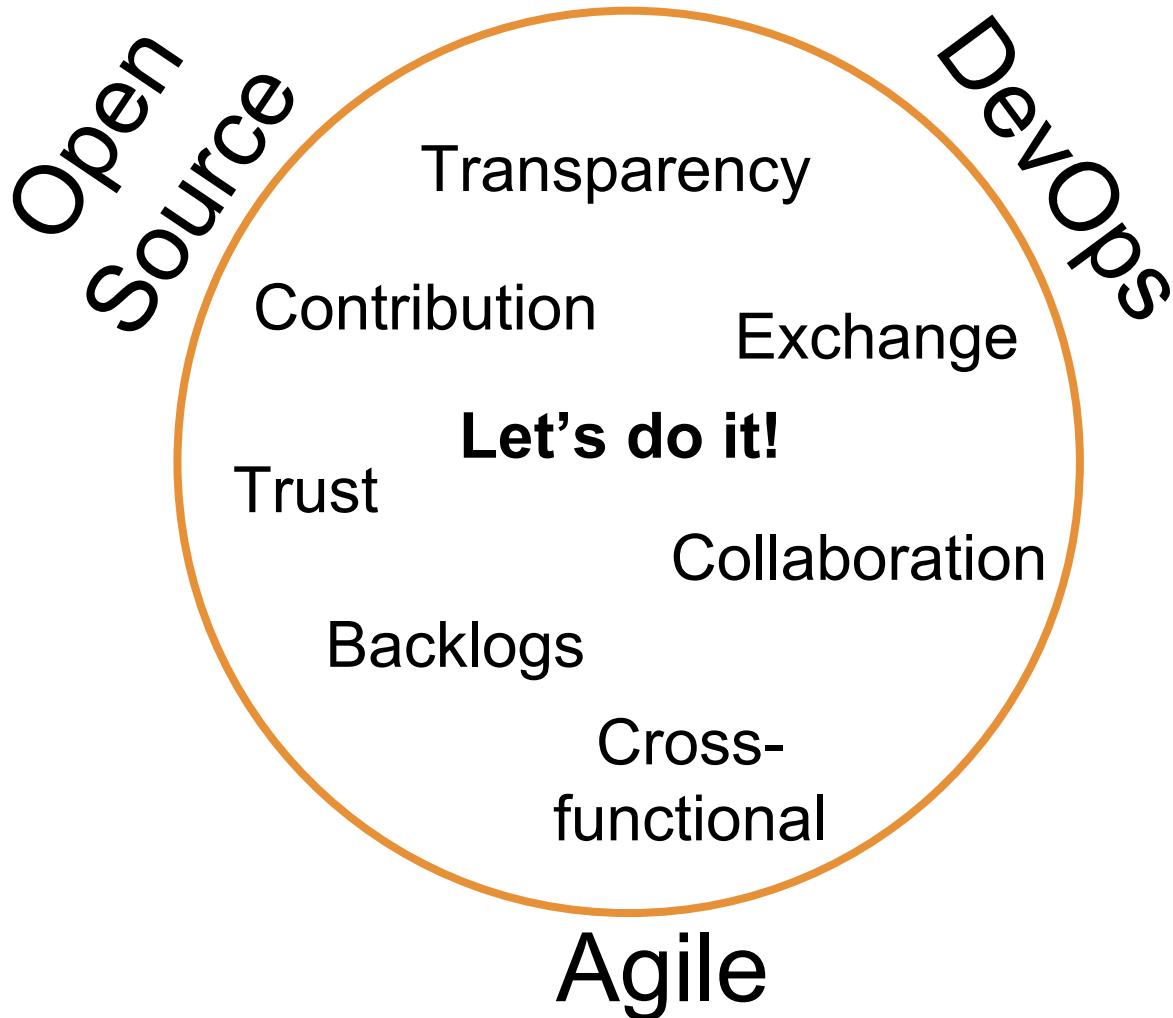
2015

Cloud Migration:
You Build It - You Run It

*DevOps is Agile that
actually works for*

all

IT departments



*It is all about people,
not about technology.*

<http://go.schapiro.org/slides>

<http://www.schapiro.org/schlomo/publications>