

## Evil (Maven) Snapshots

**Dr. Halil-Cem Gürsoy**

Tw [@hgutwit](https://twitter.com/hgutwit)

G+ <https://plus.google.com/+HalilCemGursoy>

?





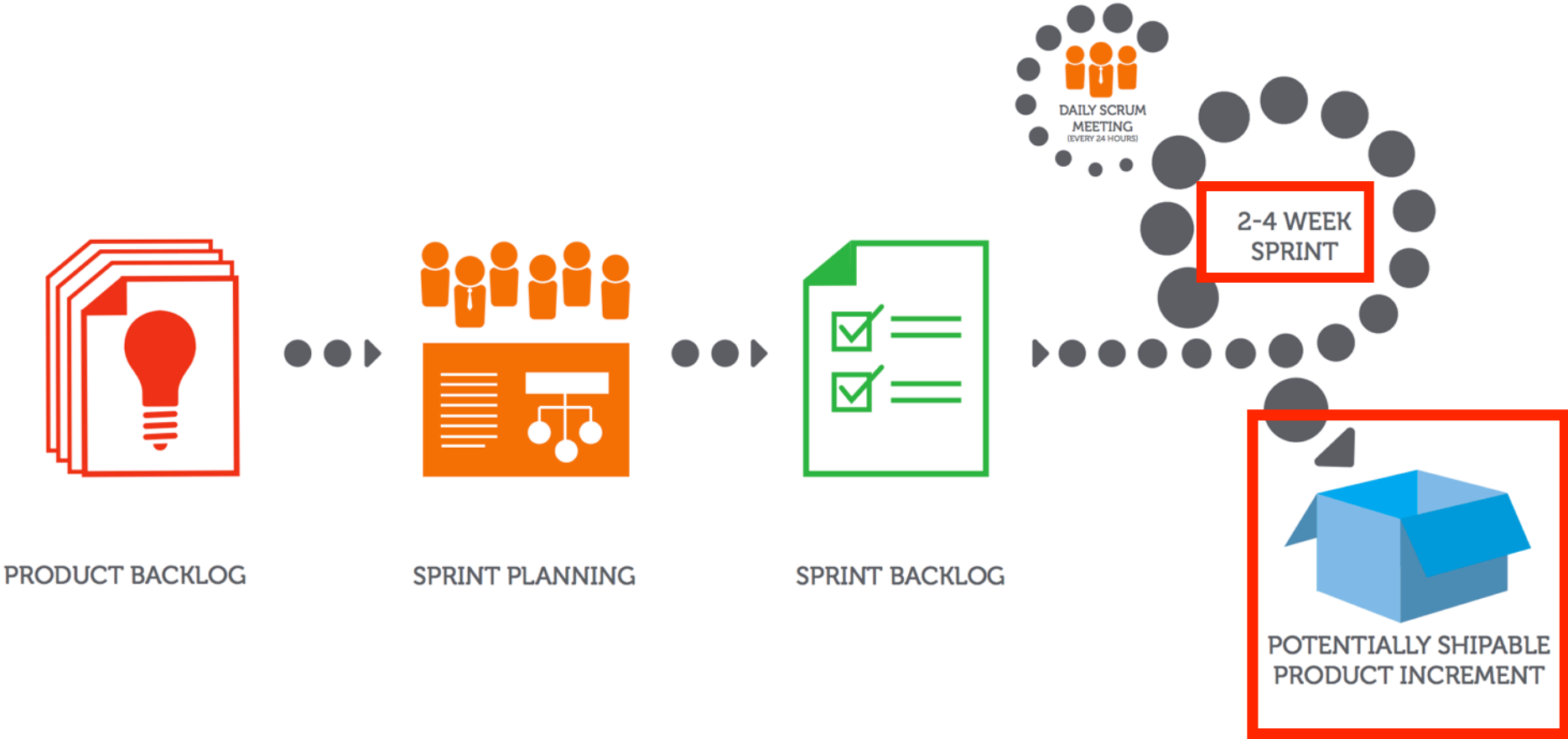


<http://www.flickr.com/photos/enor/517787281/>





# Scrum



Quelle: [scrumalliance.org](http://scrumalliance.org)

*„Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.“*

<http://agilemanifesto.org/principles.html>

*„Our highest priority is to satisfy the customer through early and **continuous delivery** of valuable software.“*

<http://agilemanifesto.org/principles.html>

# Warum SNAPSHOT's?

Entwickler-Version

Stabile Versionen erkennen

Releases sind aufwendig

Interaktion zwischen Teams



# Auswirkungen

## Release-Vorbereitungen

Merge Feature Branches („Done“)

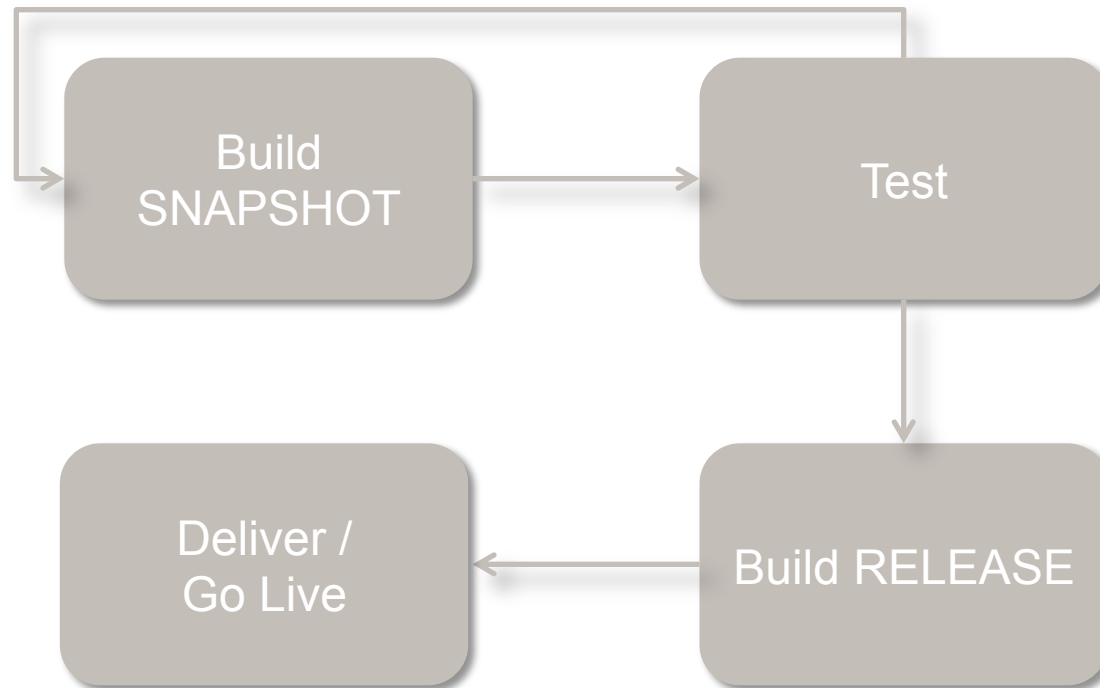
Integration von Release-Modulen

Release-Management

Dokumentation

# Das Maven-Modell

*„Super-Simplified“*



# SNAPSHOT != Releasable



# Der Release

„The Maven Release Plugin Way“ (tm)

Alles in SCM? SNAPSHOT-Abhängigkeiten?

Compile & Test

Ändere POM auf neue Release-Version

SCM-Info in POM anpassen

Compile & Test

Commit in SCM

SCM Tag

Ändere POM auf neue –SNAPSHOT Version

Commit in SCM

Compile & Test

# „The Maven Release Plugin Way“ (tm)

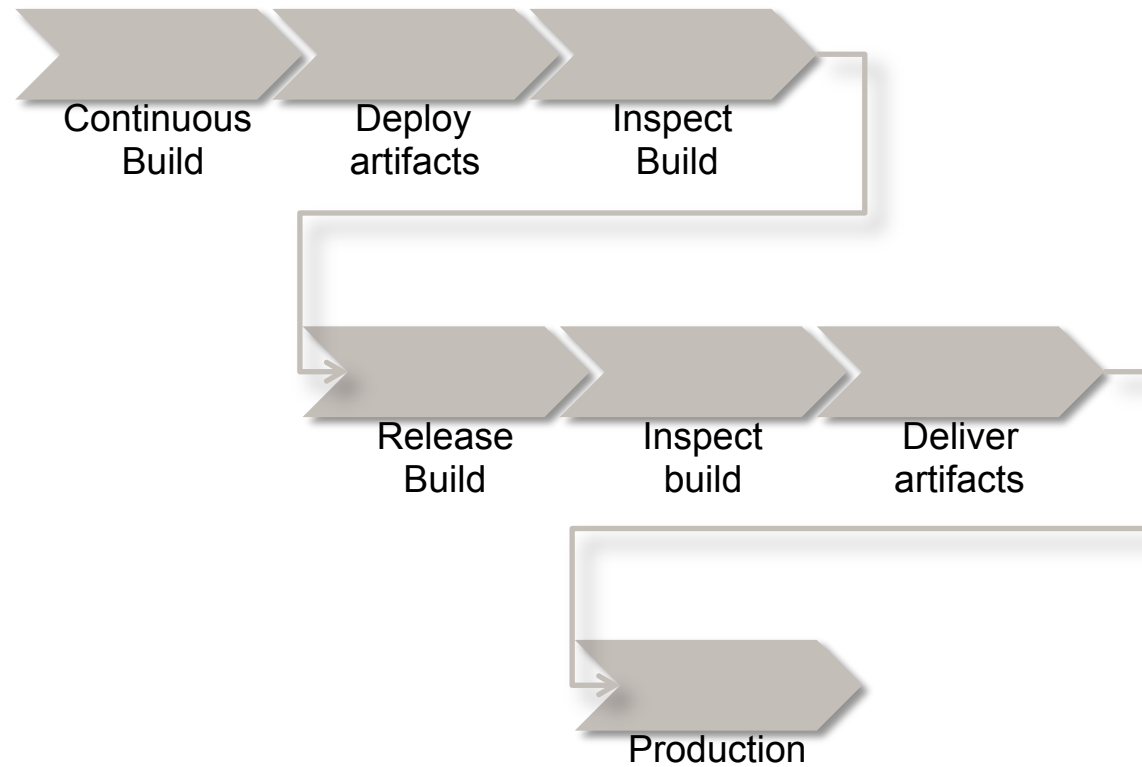
3 x Clean & Compile & Test

2 x POM Transformation

2 x SCM Commit

3 SCM Revisionen

# „Mavenized“ Build-Pipeline



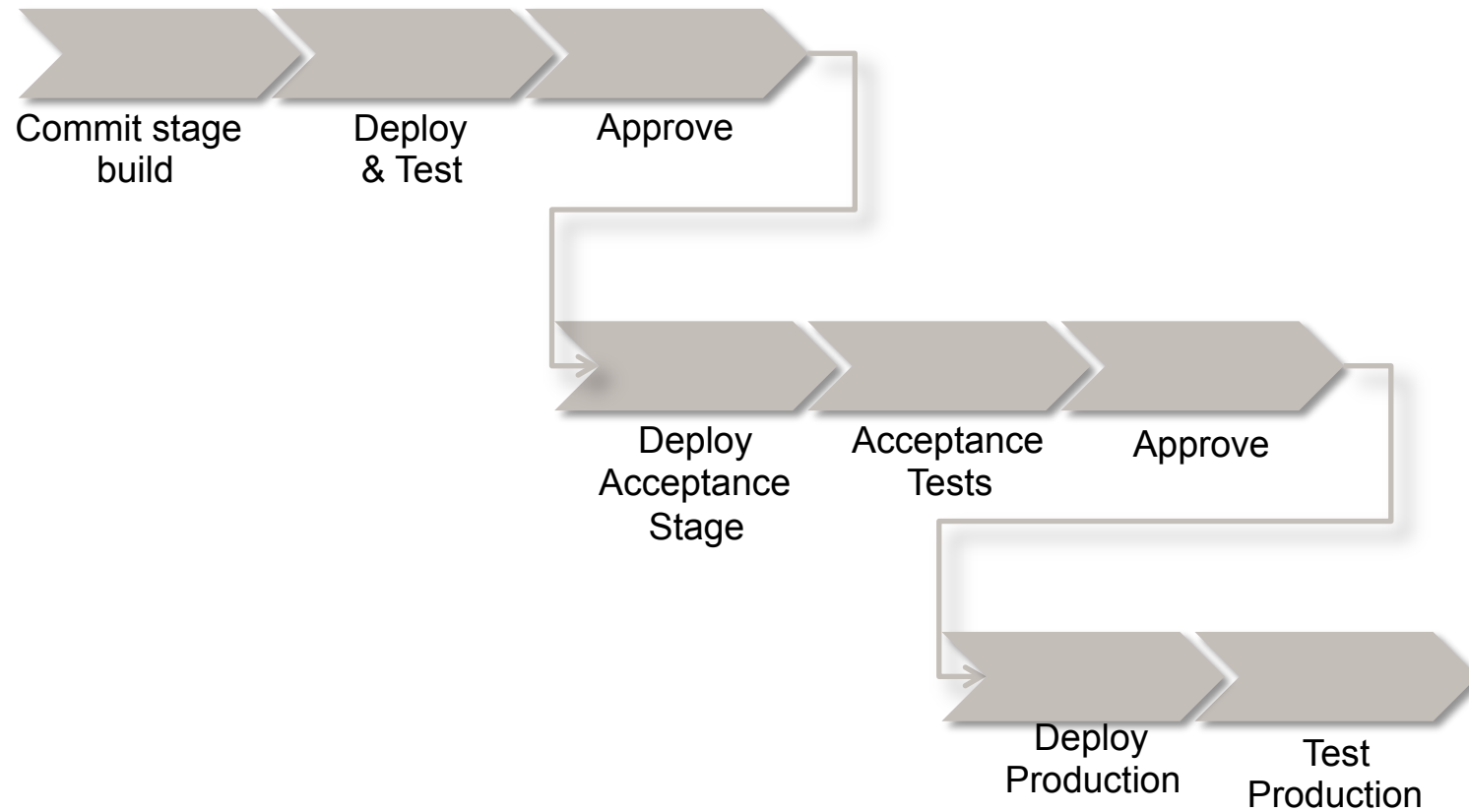




Lösung?



# CD Build-Pipeline





## Jason van Zyl

*„Unfortunately, but naturally, users tend to think that the release plugin embodies all best practices for Maven with respect to releases, but in practice many people accept it's flaws.“*

<http://www.lucasward.net/2010/11/maven-and-continuous-delivery.html?showComment=1289373353091#c7316536994911982893>

# Lösungen

CD-Pipeline =  
immer RELEASE-Versionen!

1.1.0-2652-245

# Lösungen

CD-Pipeline =  
immer RELEASE-Versionen!

1.1.0-2652-245

SCM Revision

# Lösungen

CD-Pipeline =  
immer RELEASE-Versionen!

1.1.0-2652-245

Build Number

# Lösung

## Codehaus Versions Plugin

```
mvn versions:set -DnewVersion=$NEWVER
```

## Codehaus Build Helper Plugin

```
<goals>
```

```
    <goal>parse-version</goal>
```

```
</goals>
```



# Lösung

## Codehaus Versions Plugin

```
<execution>
  <id>setnewversion</id>
  <phase>validate</phase>
  <goals>
    <goal>set</goal>
  </goals>
  <configuration>
    <generateBackupPoms>>false</generateBackupPoms>
    <newVersion>${parsedVersion.majorVersion}.
      ${parsedVersion.minorVersion}.${parsedVersion.
        incrementalVersion}-${BLDVER}
    </newVersion>
  </configuration>
</execution>
```

Promote

Artefakt „Promoten“

*Release vs.*

*Staging*

*Repository*



# Repository Servers

Staging-Repositories Support

Artifactory Pro

Nexus Professional

Apache Archiva (manuell)

Maven/Jenkins Plugin's

REST-Schnittstellen

# Nach-“Lese“

Jezz Humble & Jason van Zyl @ Maven Mailing List

<http://maven.40175.n5.nabble.com/Continuous-Delivery-and-Maven-td3245370.html>

Lucas Ward - Maven and Continuous Delivery

<http://www.lucasward.net/2010/11/maven-and-continuous-delivery.html>

Kief Morris - The Conflict Between Continuous Delivery and Traditional Agile

<http://kief.com/the-conflict-between-continuous-delivery-and-traditional-agile.html>

Axel Fontaine – The Final Nail in the Coffin

<http://axelfontaine.com/blog/final-nail.html>

Halil-Cem Gürsoy – „Evil Snapshots“

<http://blog.adesso.de/evil-snapshots/>





Vielen Dank für Ihre Aufmerksamkeit.

[www.adesso.de](http://www.adesso.de)  
[info@adesso.de](mailto:info@adesso.de)

