DevOps and Continuous Delivery Reference Architectures

Derek E. Weeks
VP and DevOps Advocate
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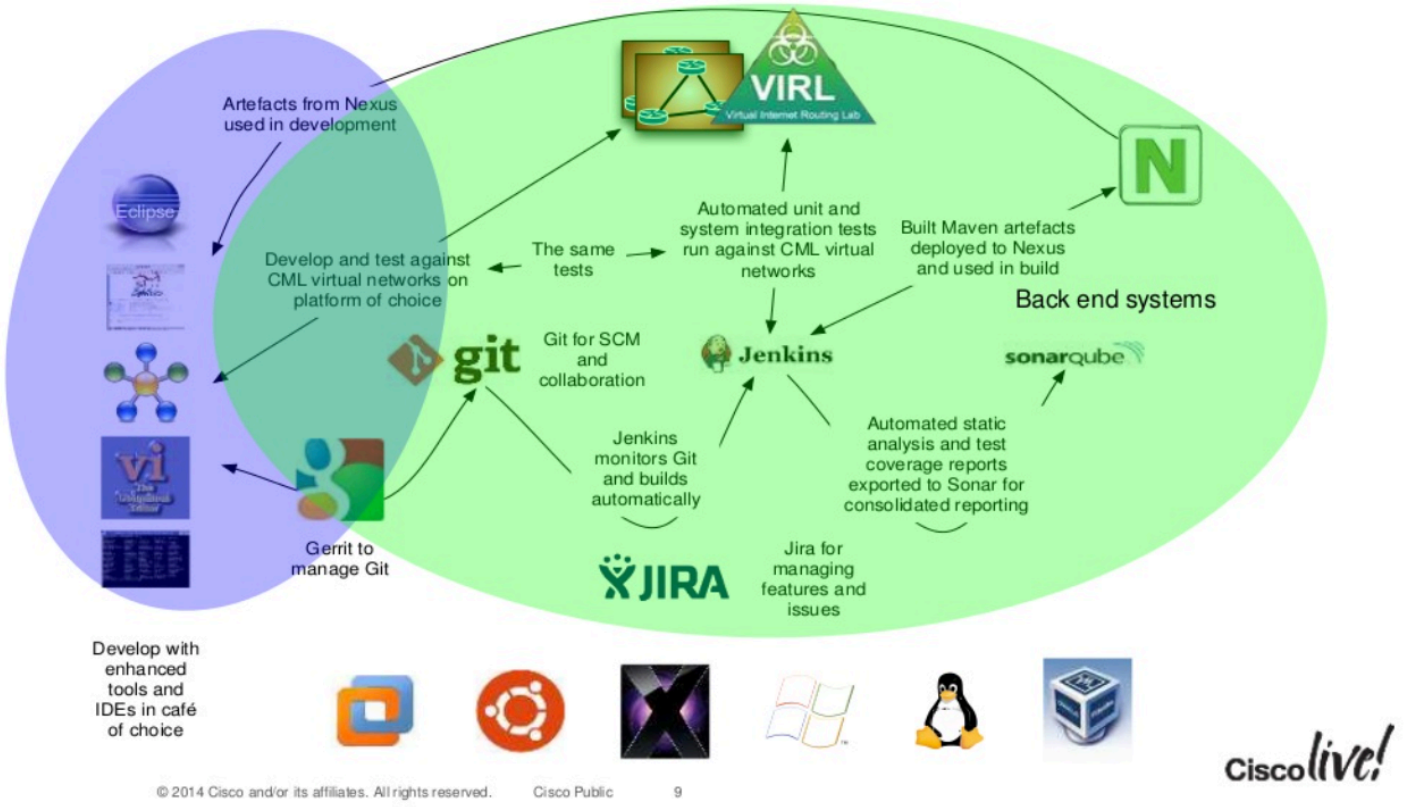
2016

Common Elements of the Software Supply Chain

According to Cisco



Link to Presentation: Enabling DevOps

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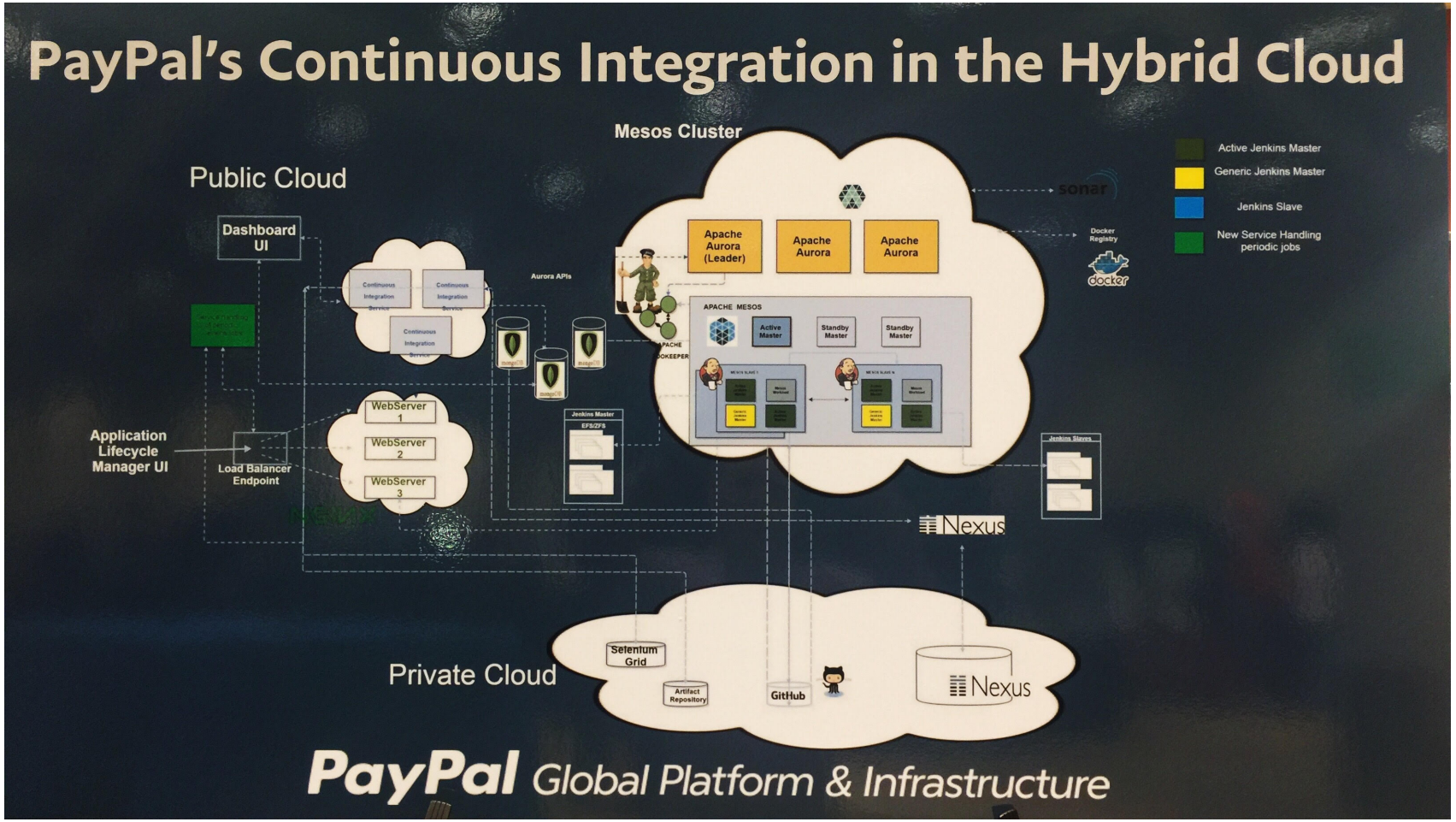
According to PayPal

PayPal



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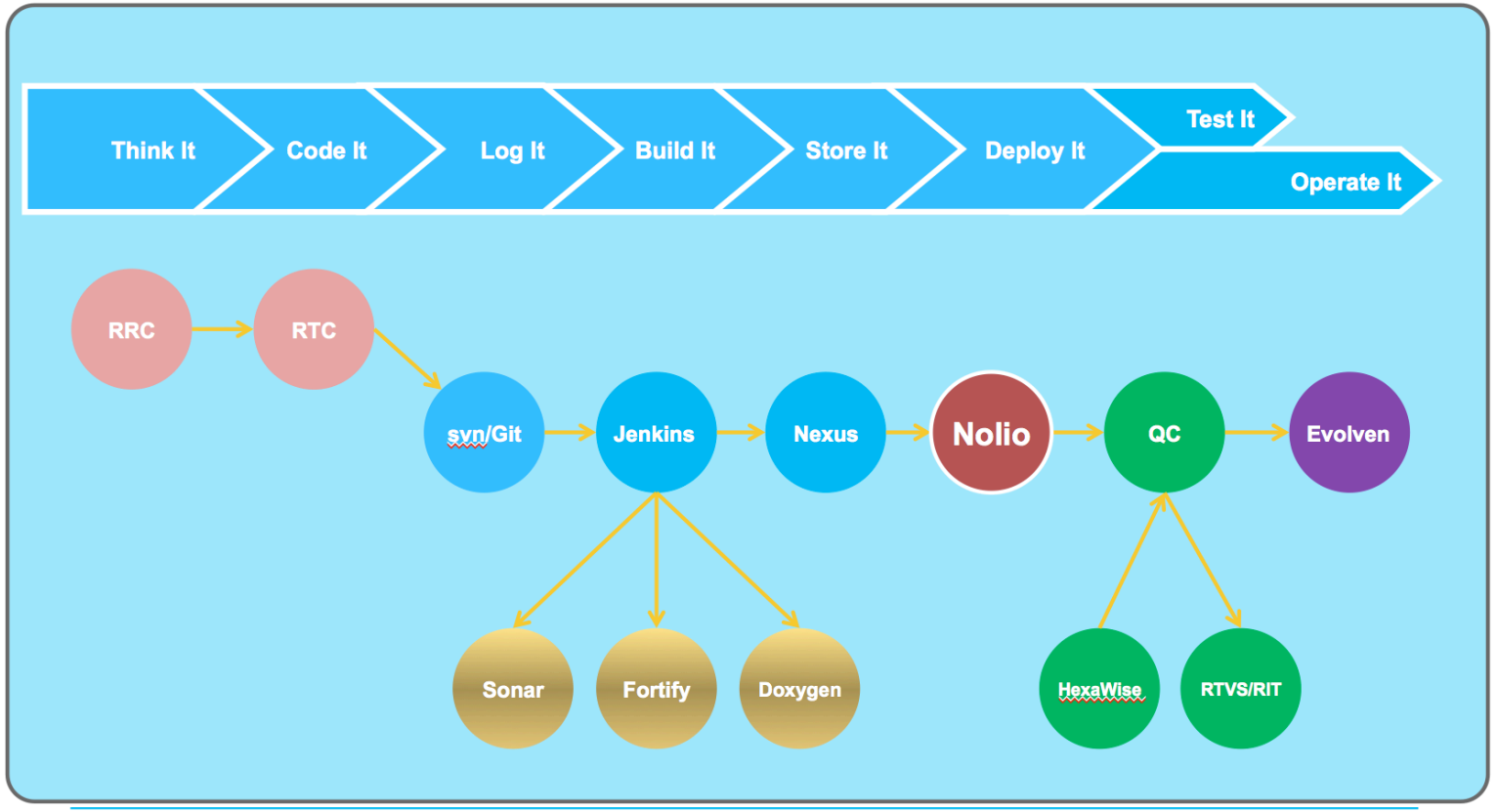
According to BARCLAYS

BARCLAYS

Quantum – Automated Deployment



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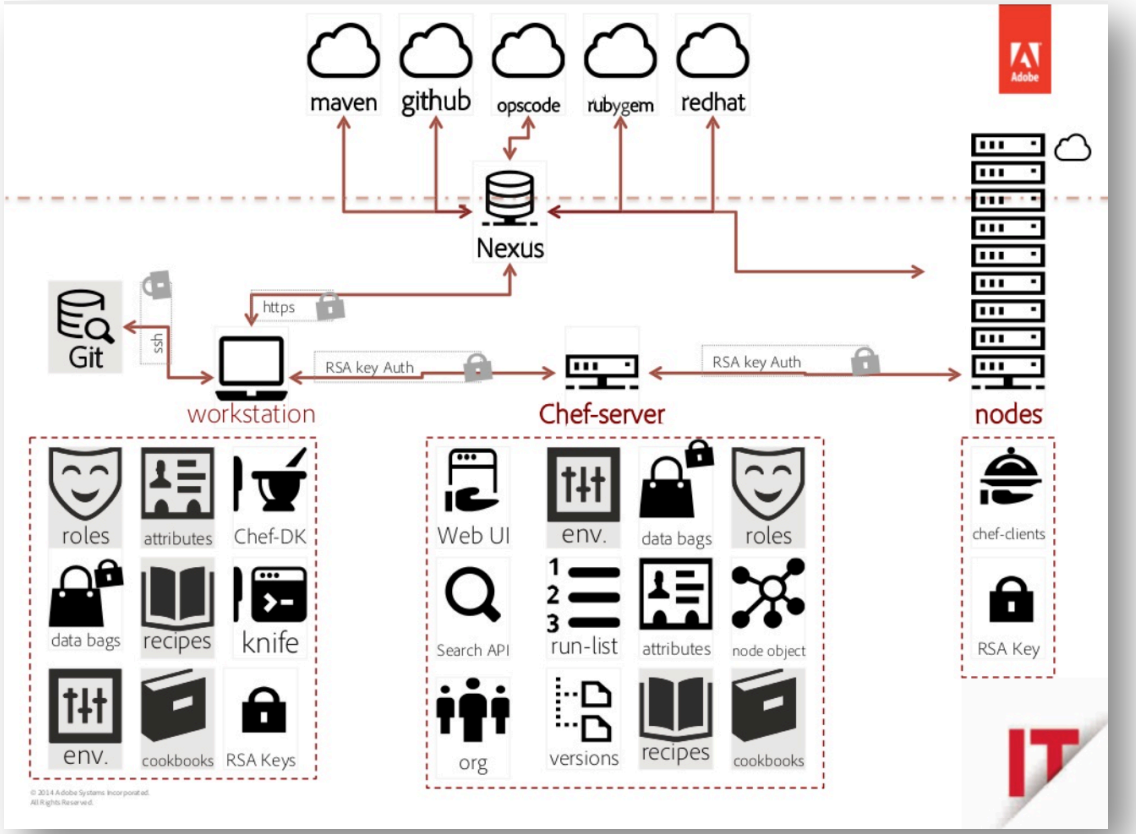

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Link to Presentation: Master Chef Class

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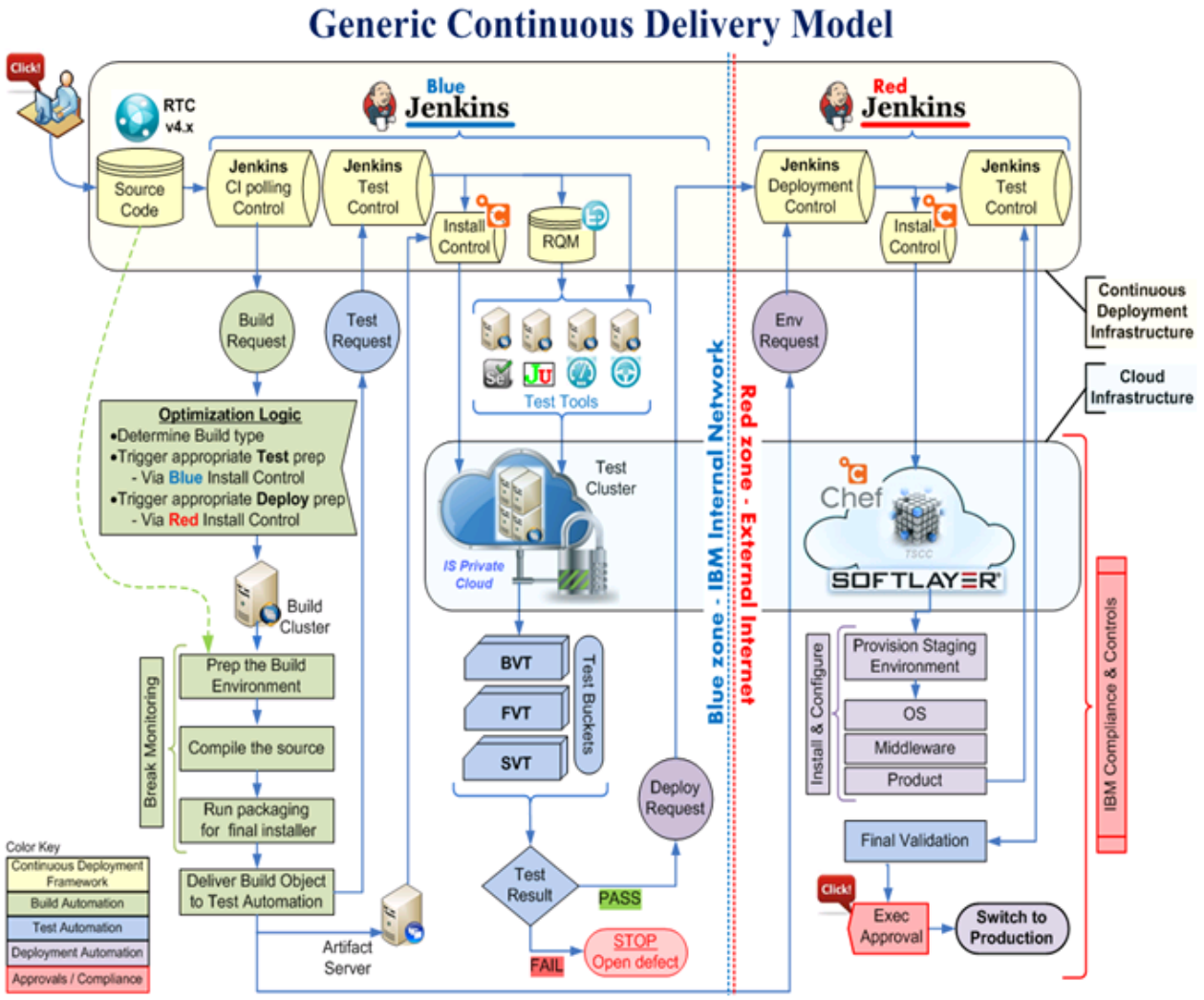
According to IBM



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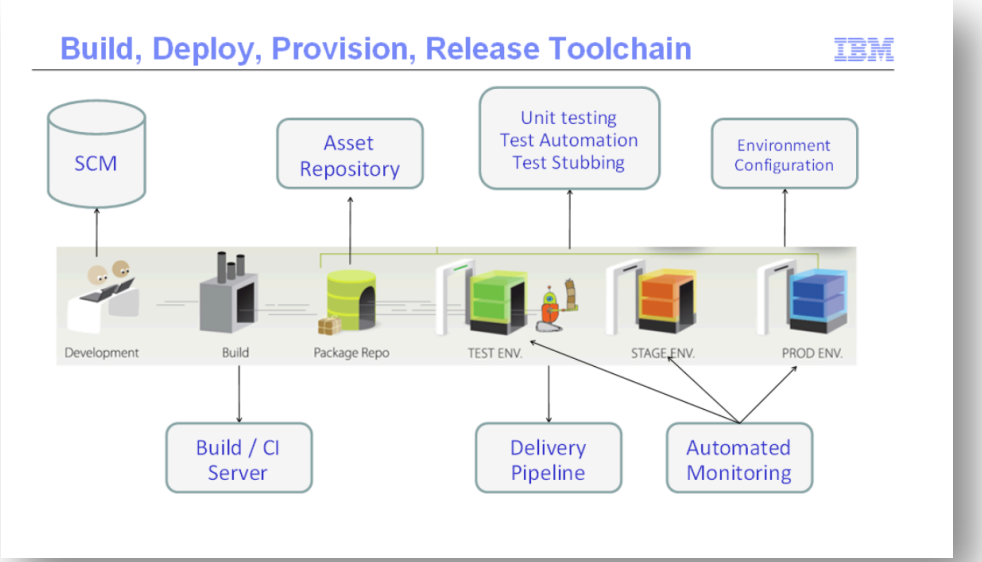

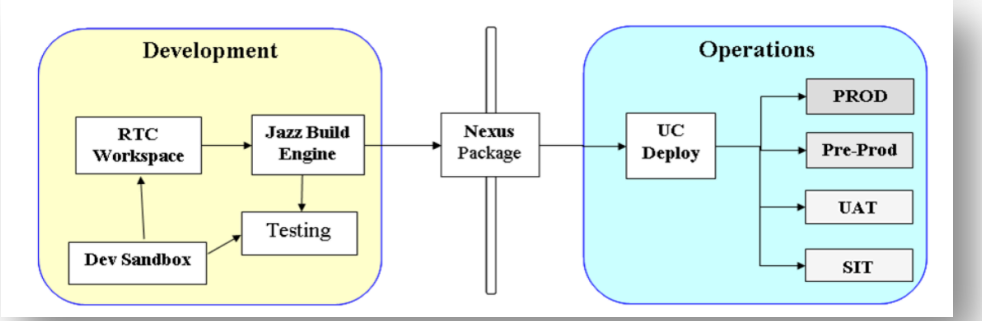

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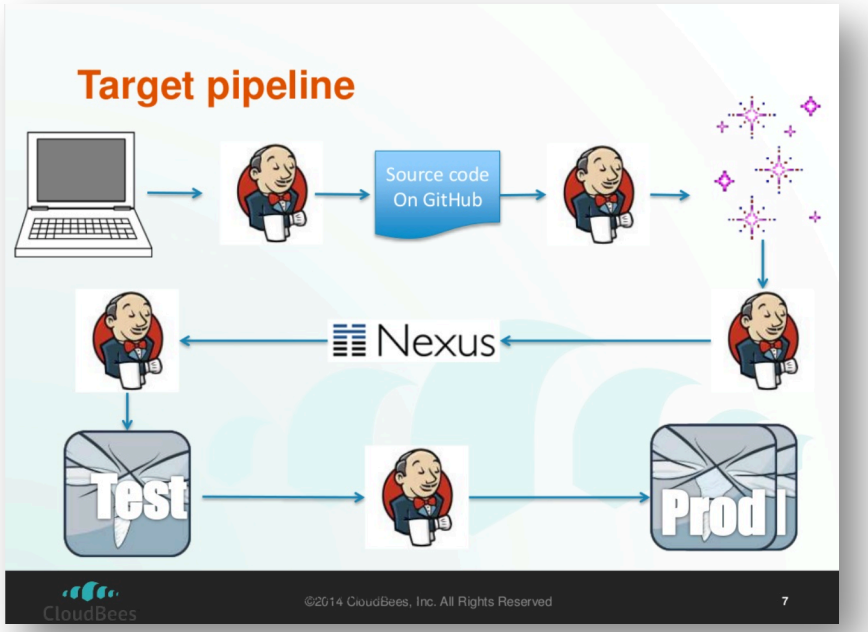

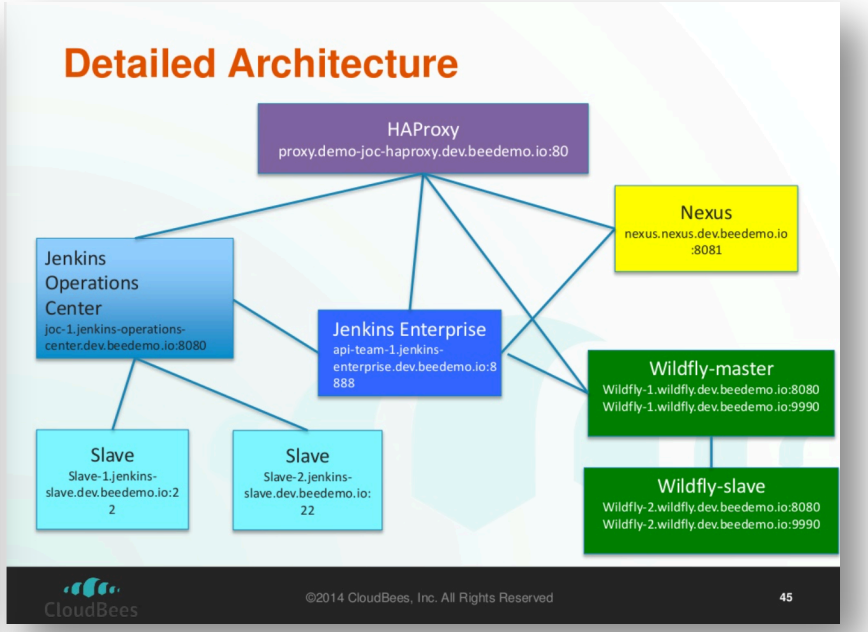

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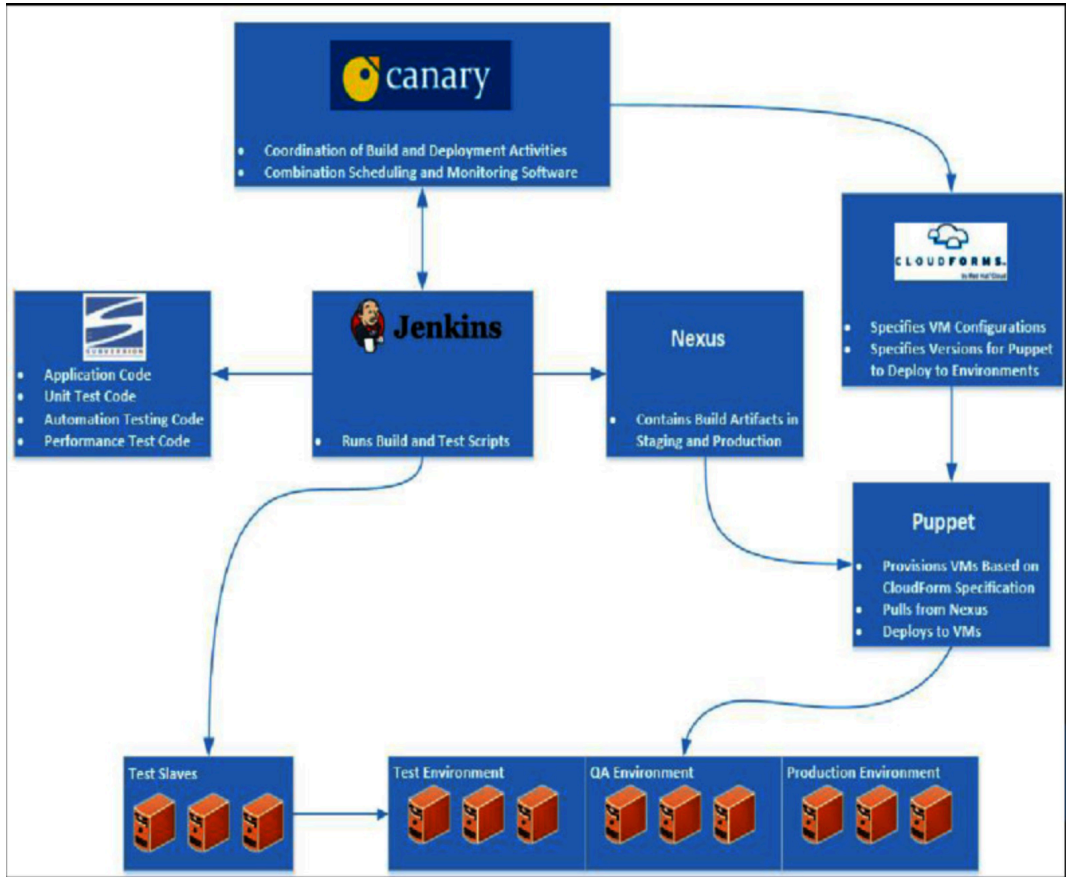

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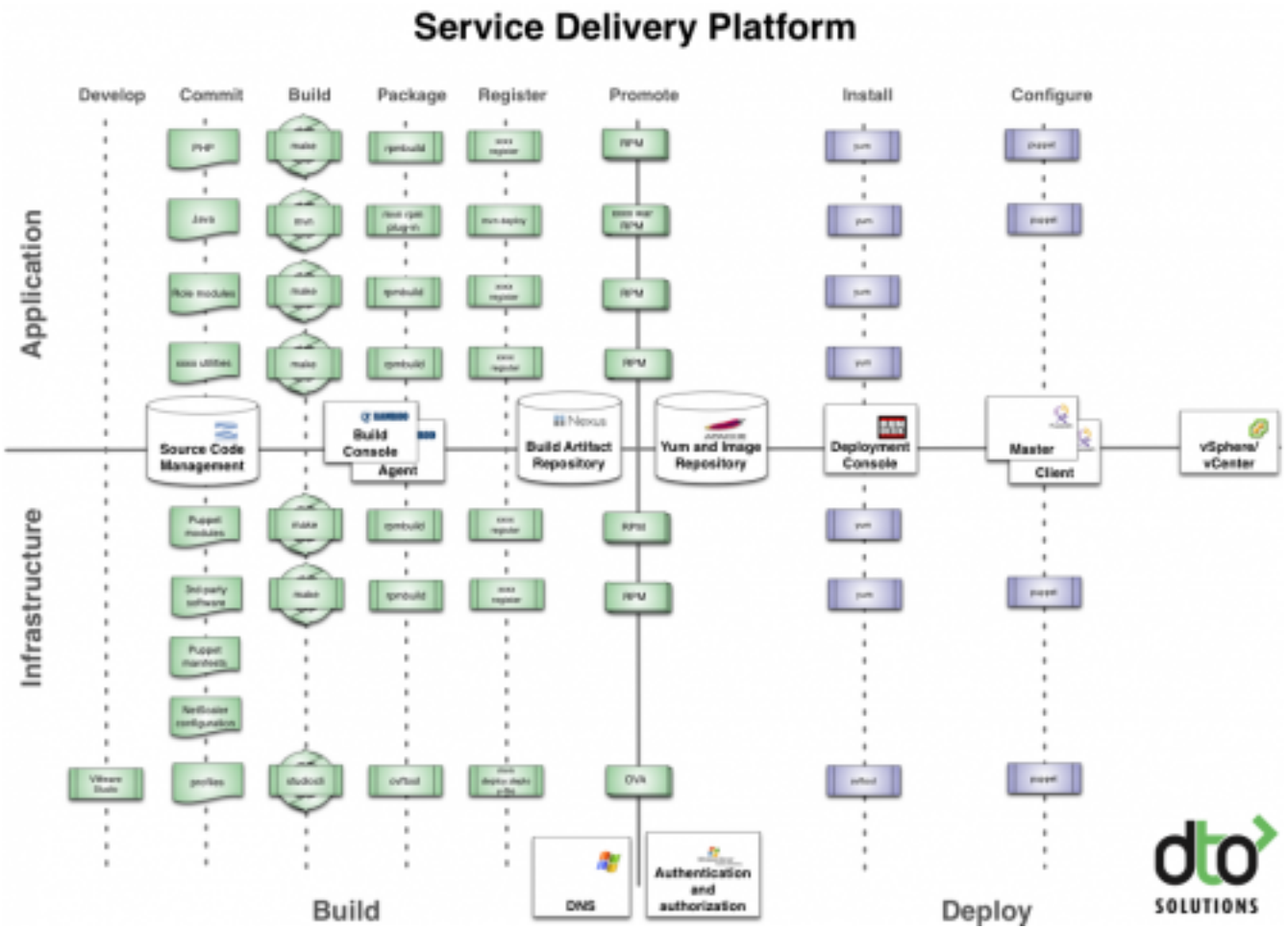
According to Rundeck



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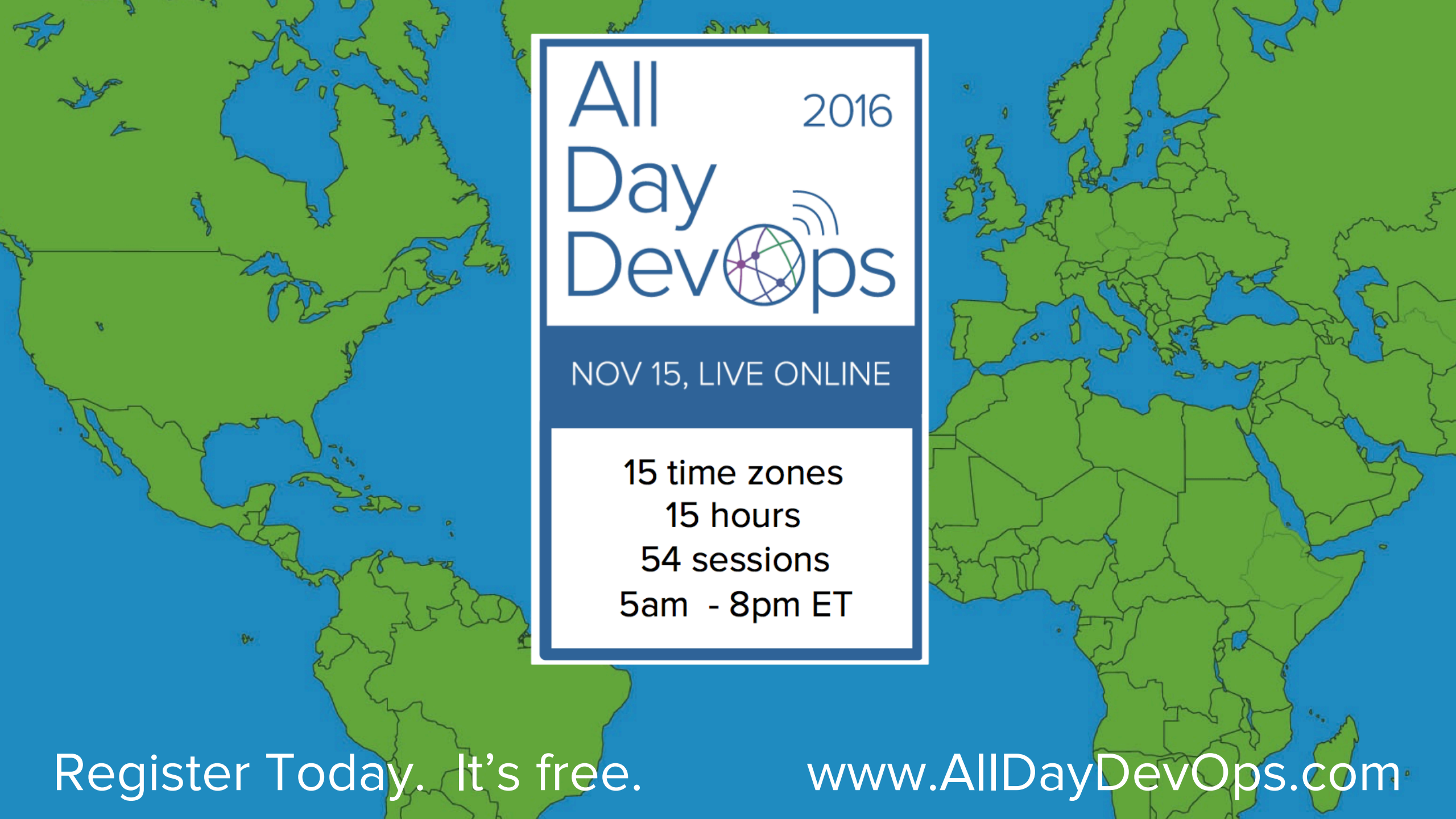
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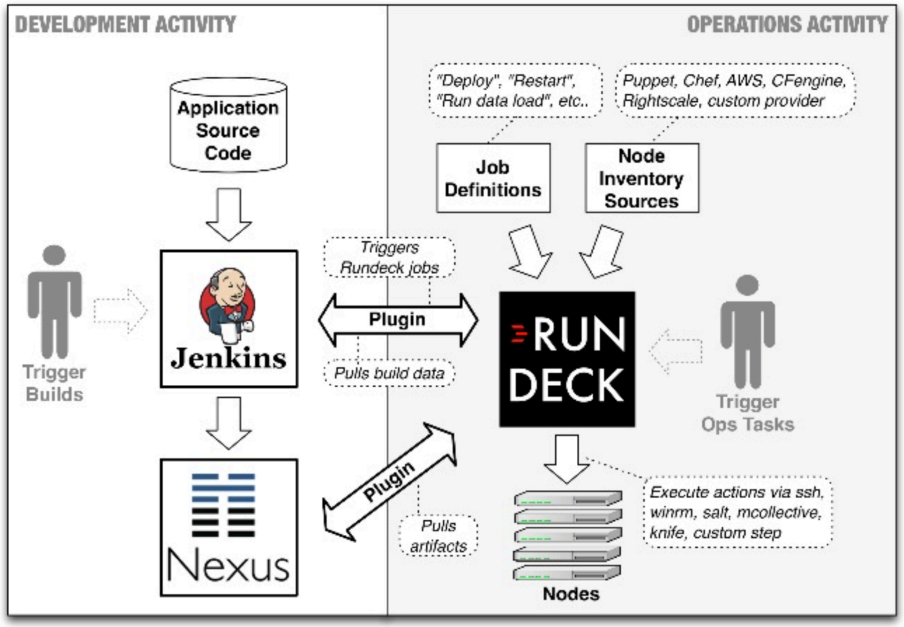
According to Rundeck

Popular Trio: Jenkins + Nexus + Rundeck



Link to Presentation: Rundeck + Nexus

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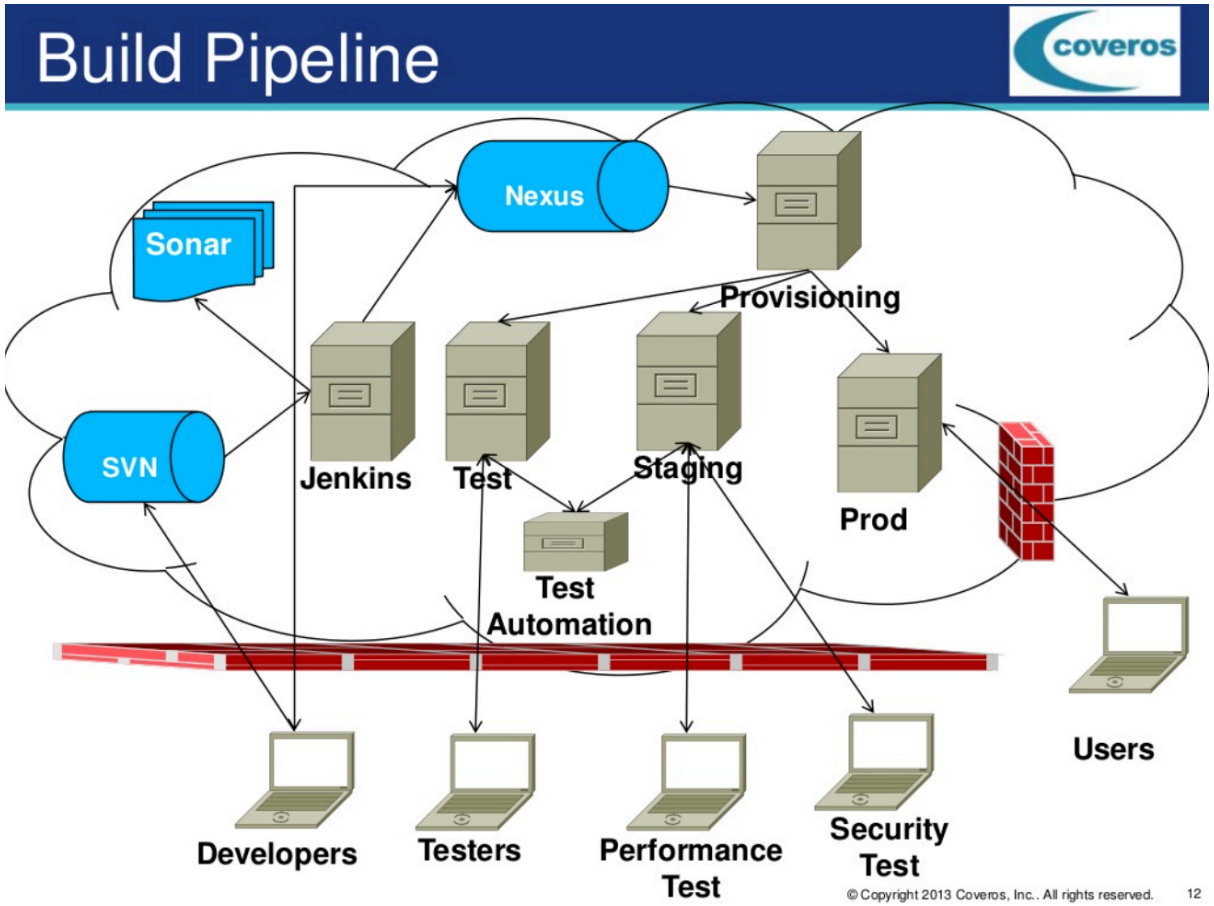

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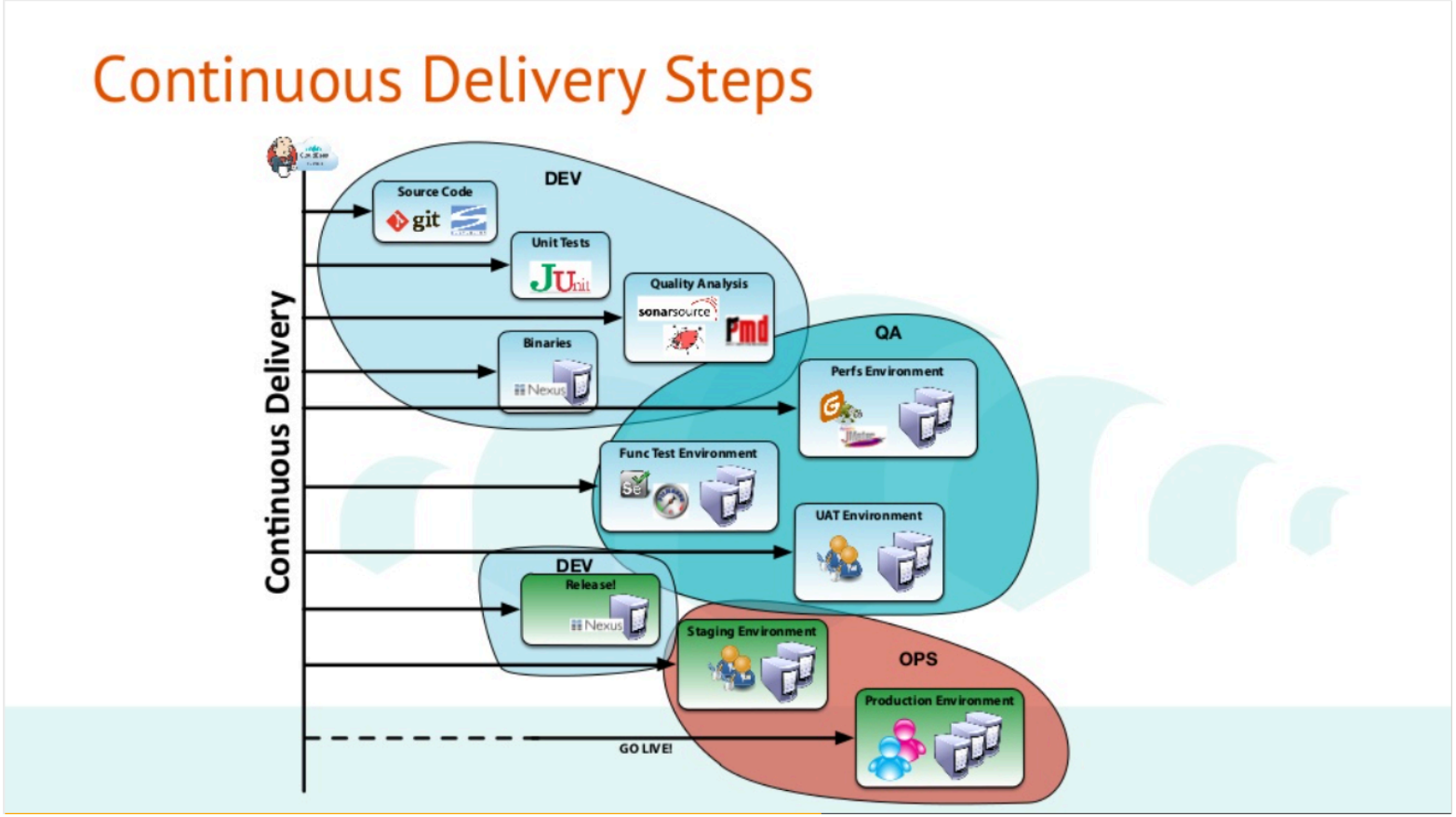
According to Xebia



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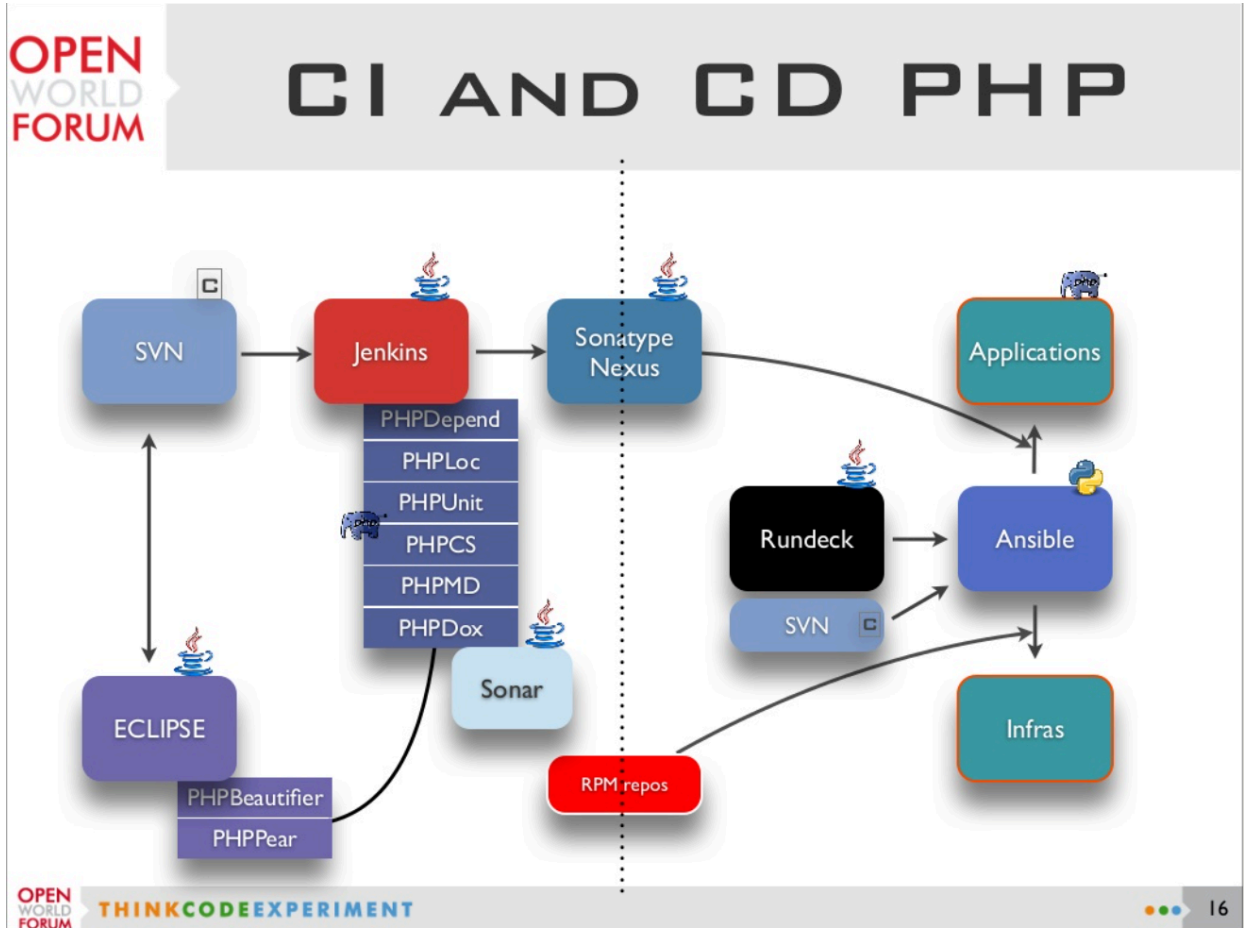
Nexus at Alter Way

Alter Way



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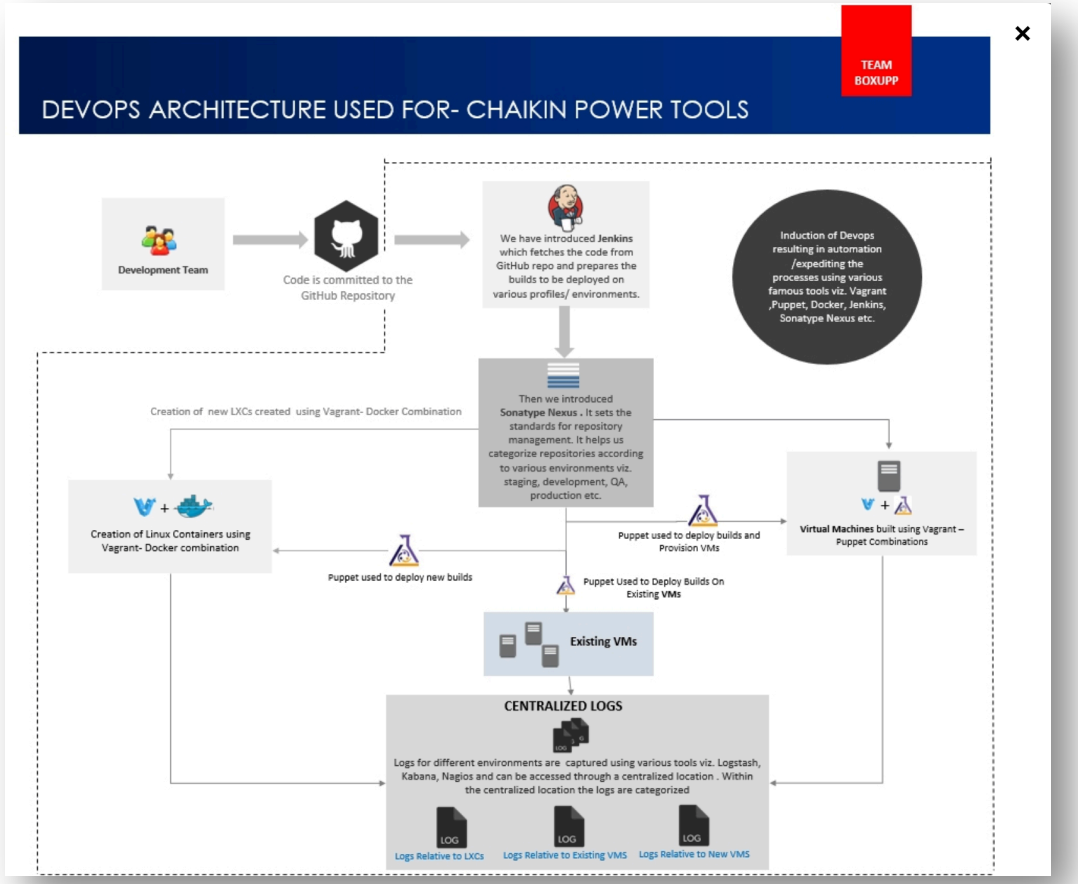

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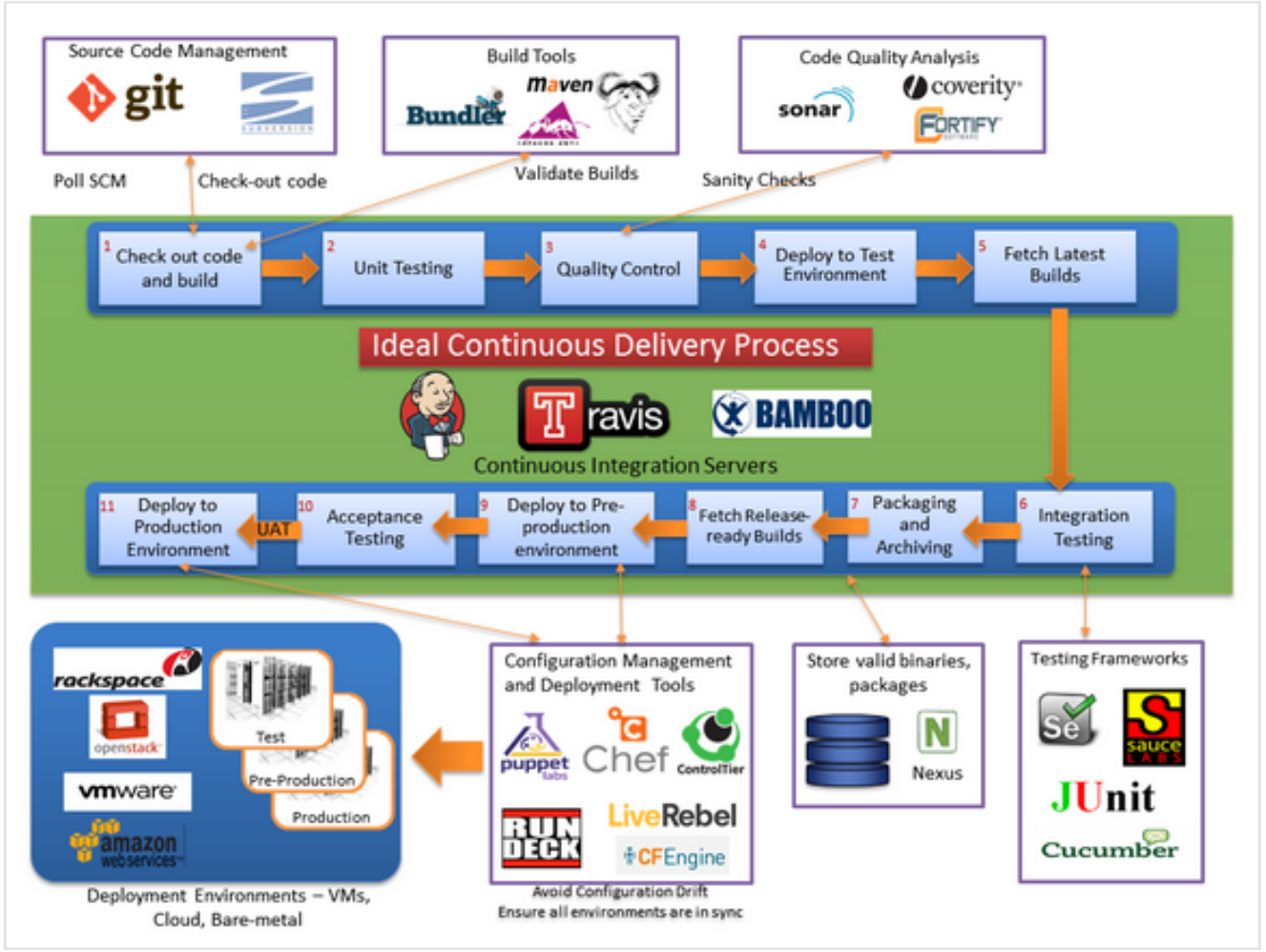

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According to codecentric

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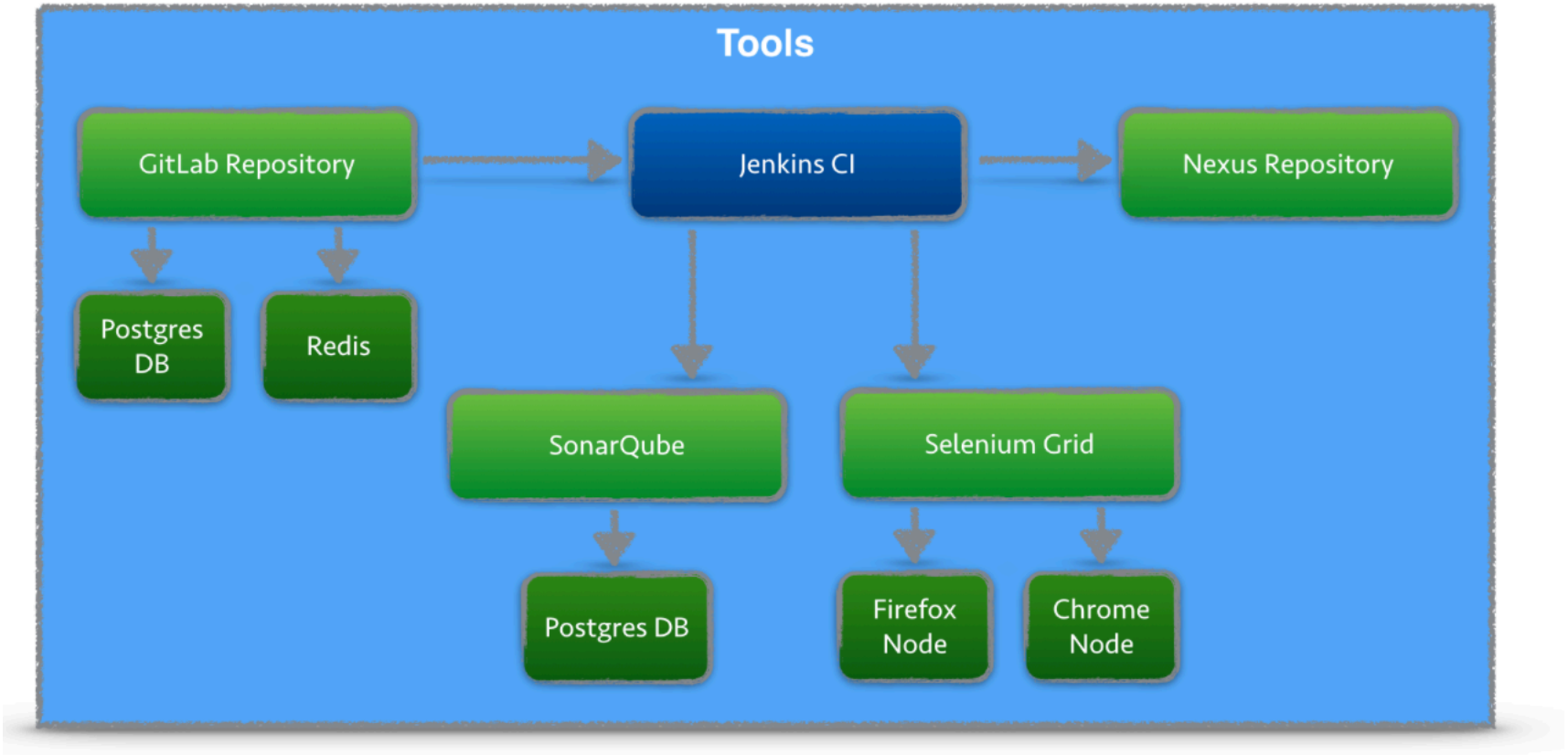
Continuous Integration Platform Using Docker Containers: Jenkins, SonarQube, Nexus, GitLab



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Source: DevOps & Security
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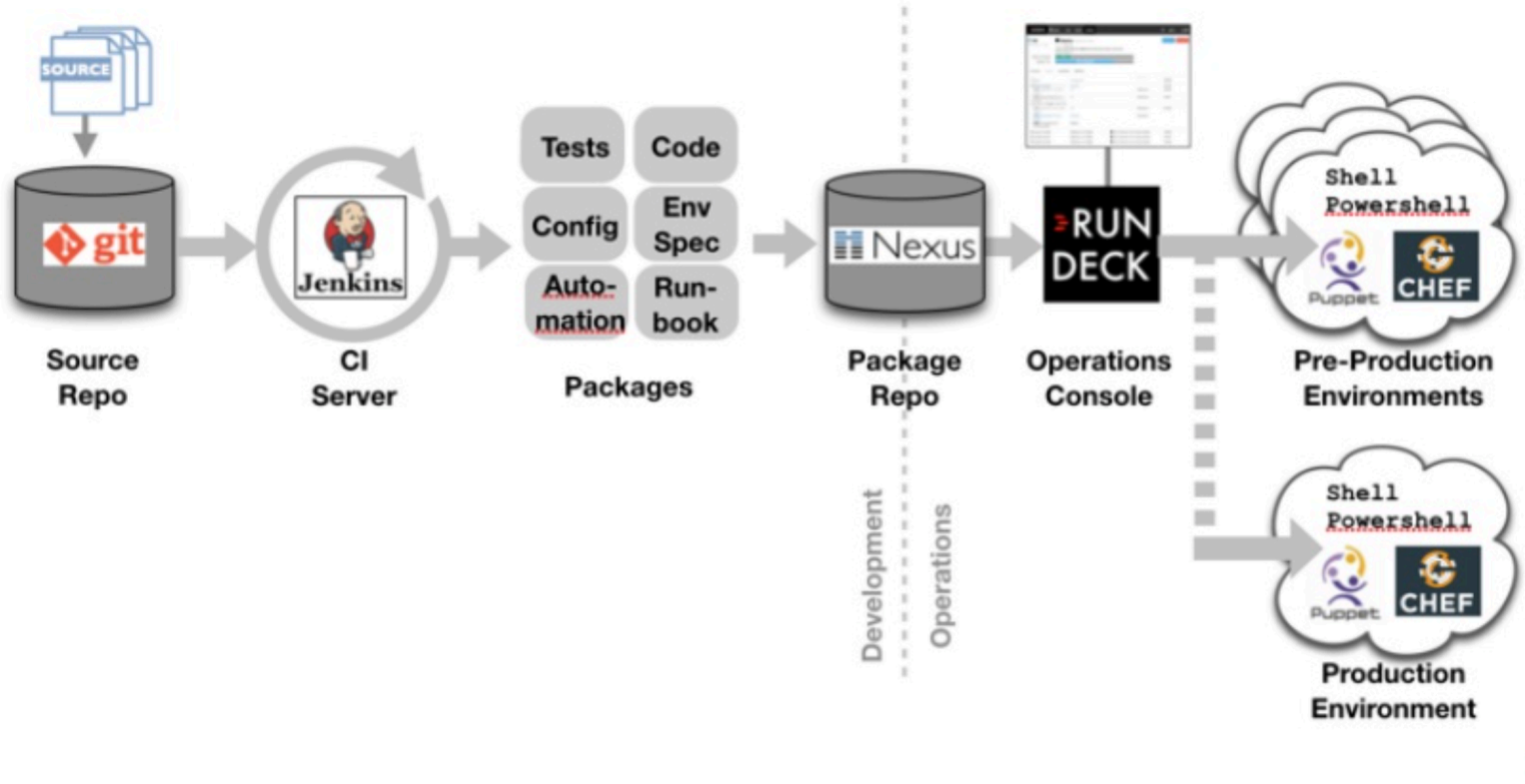
According to SimplifyOps

#SimplifyOps



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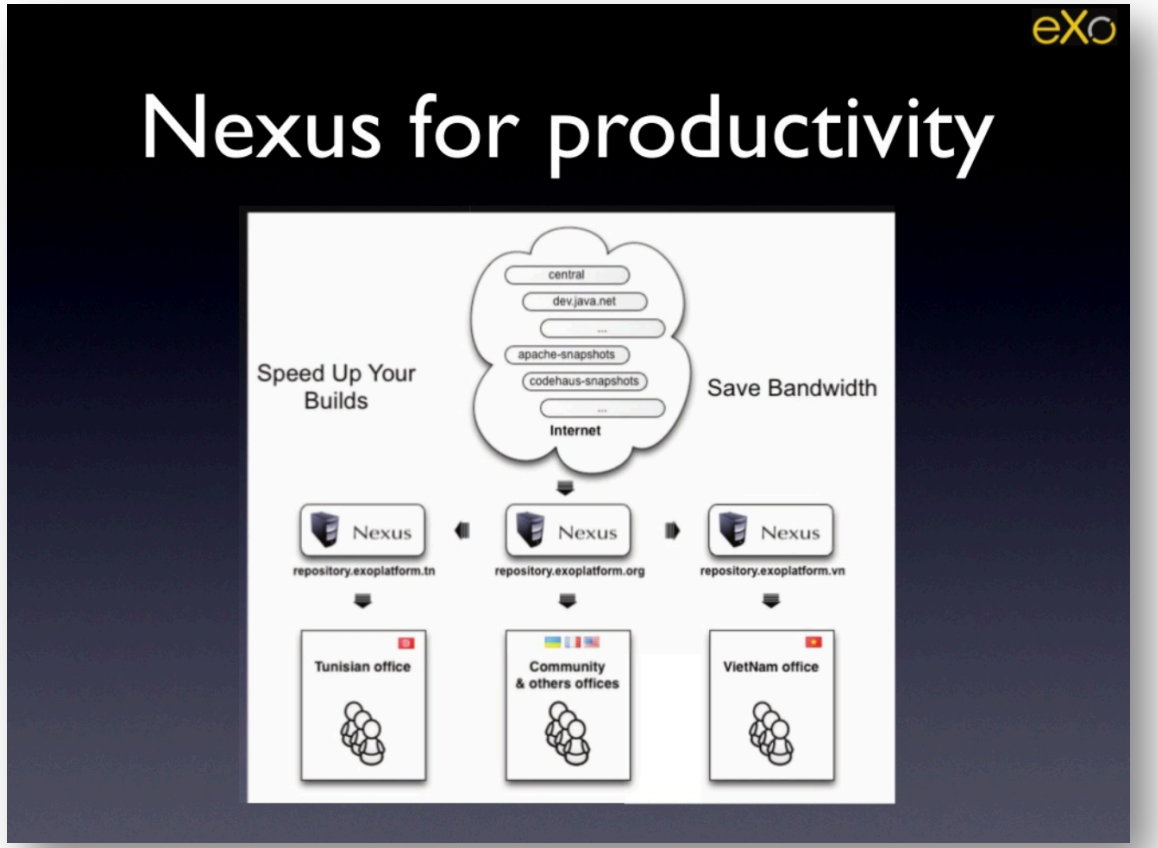
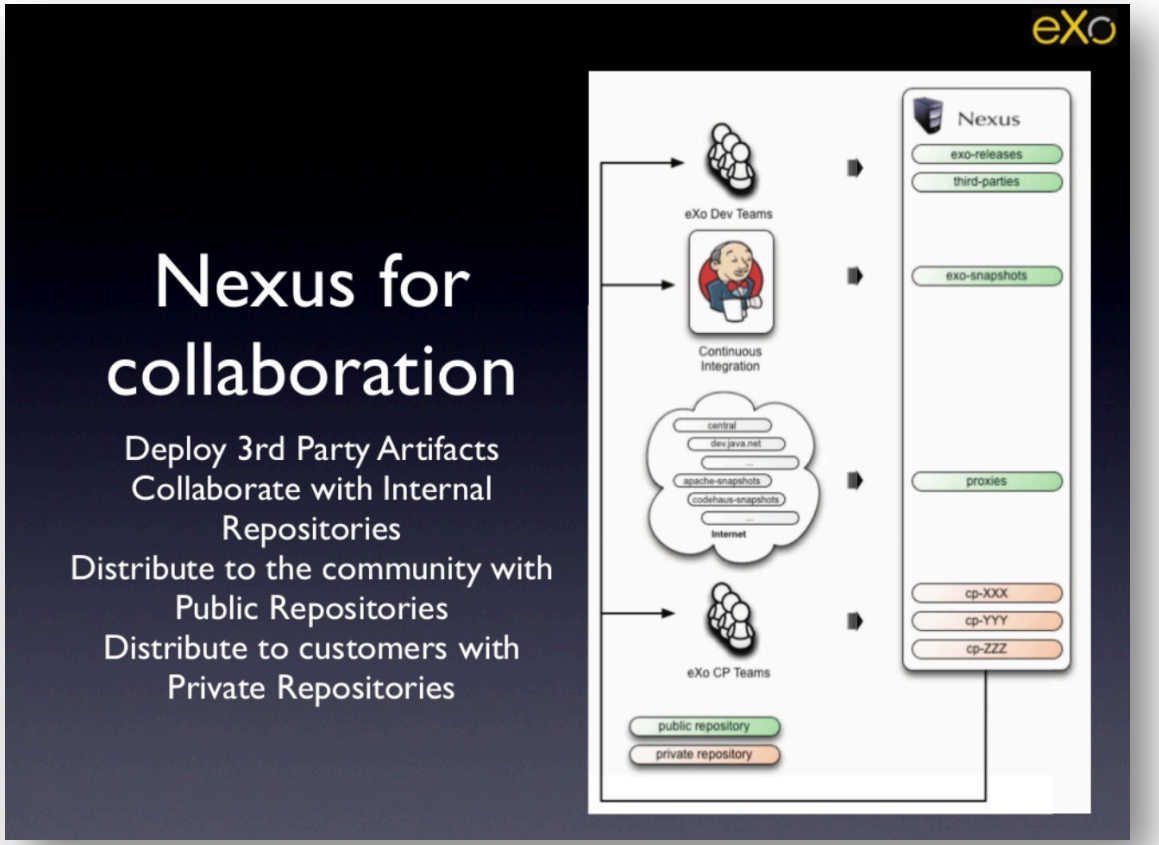
According to eXo Software





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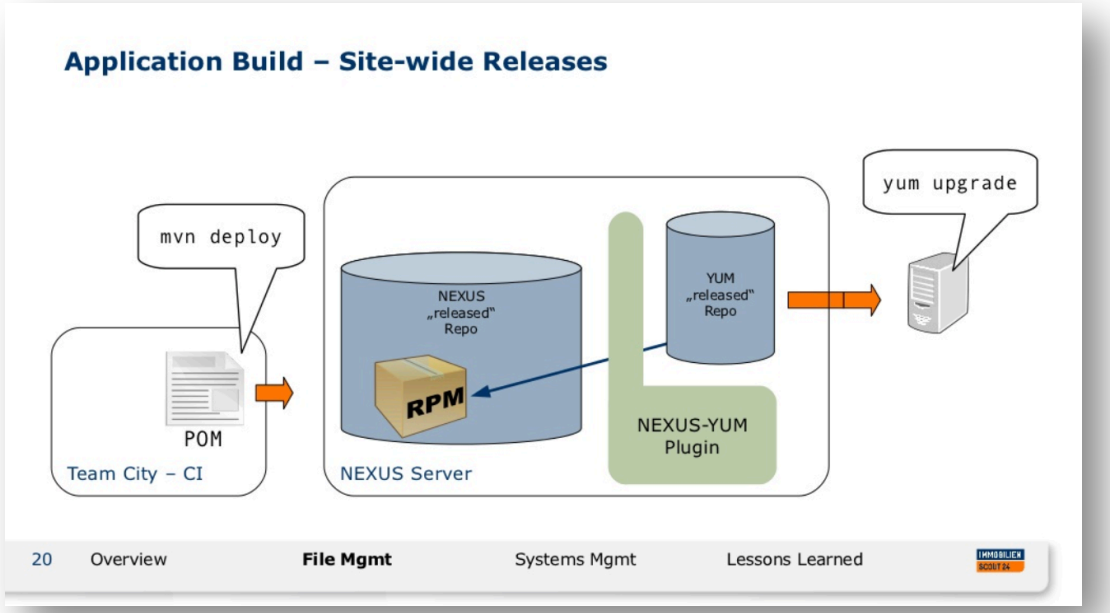

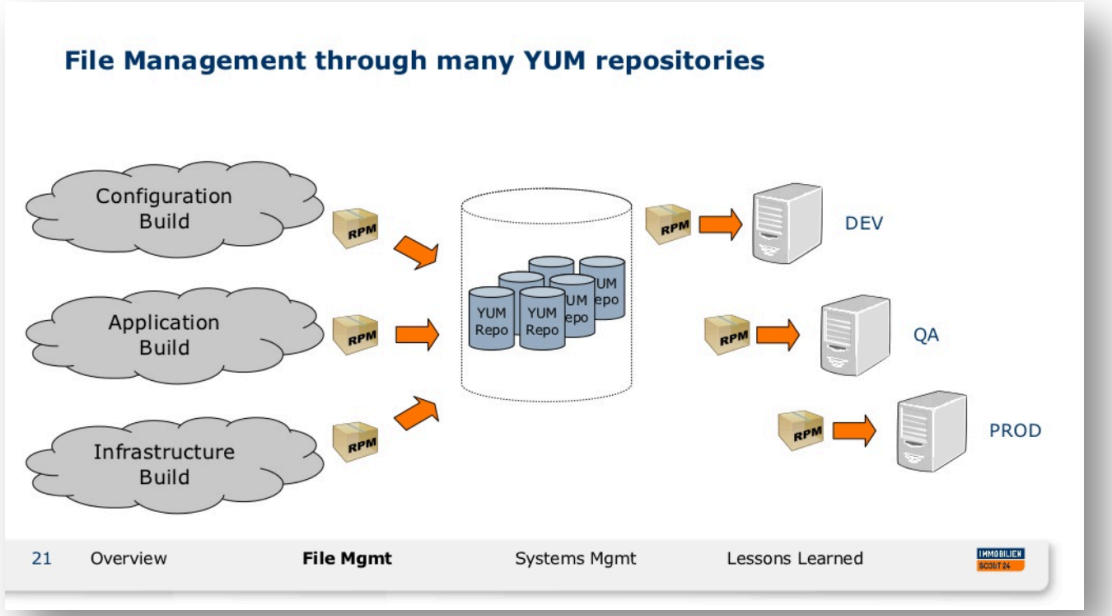

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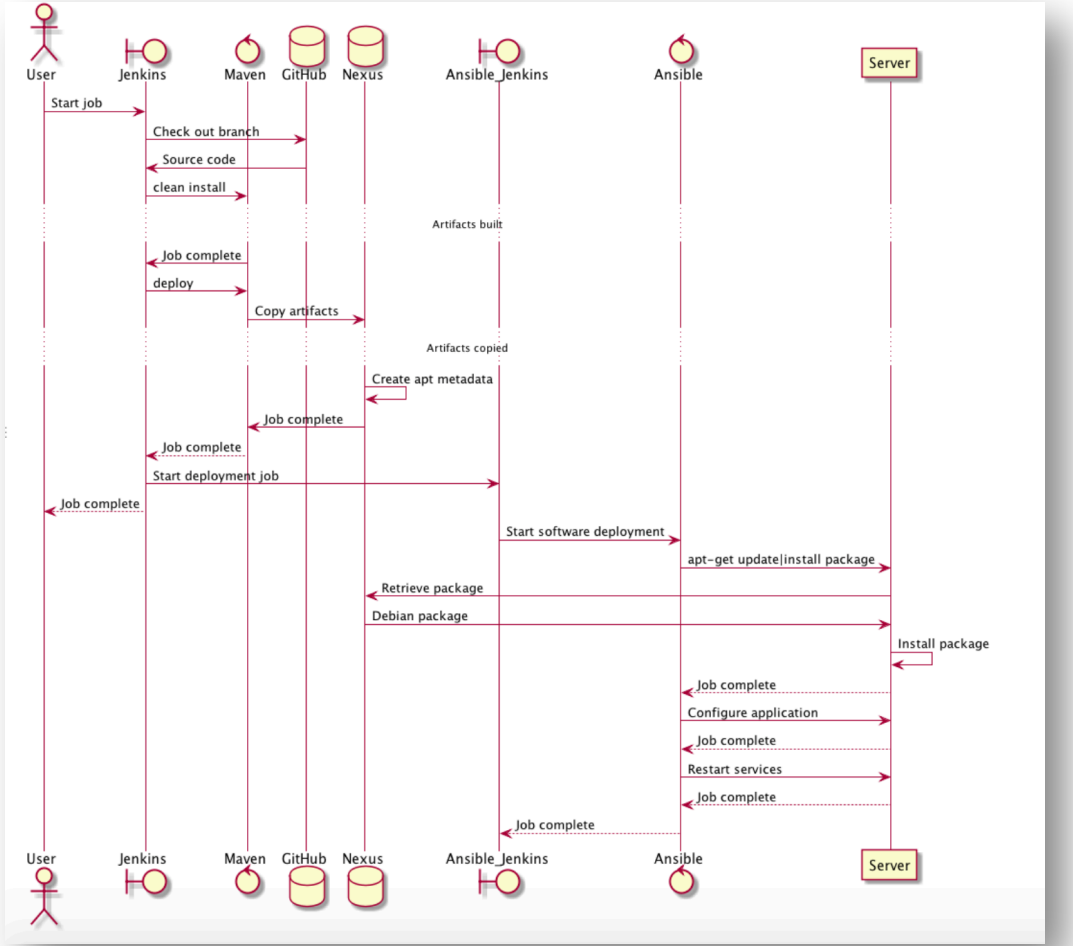

Link to Blog: IHTSDO DevOps

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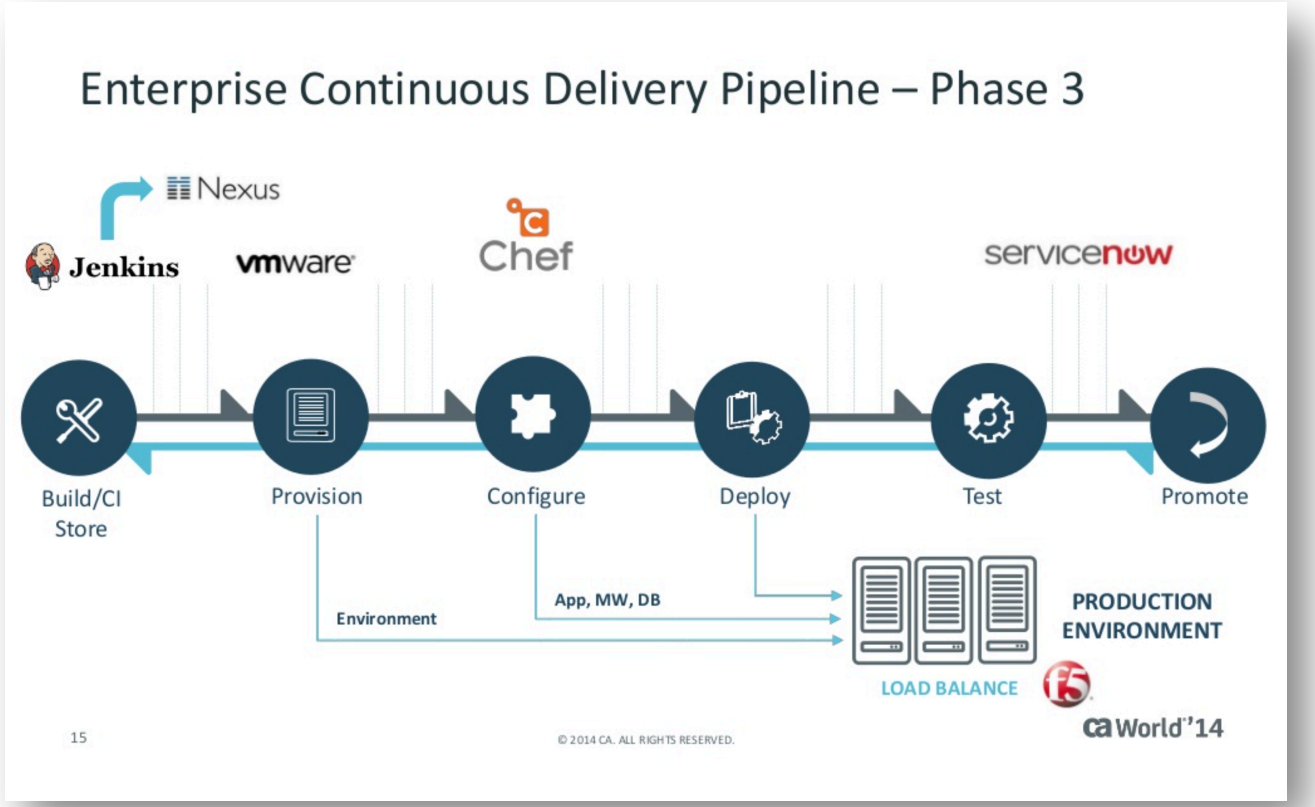

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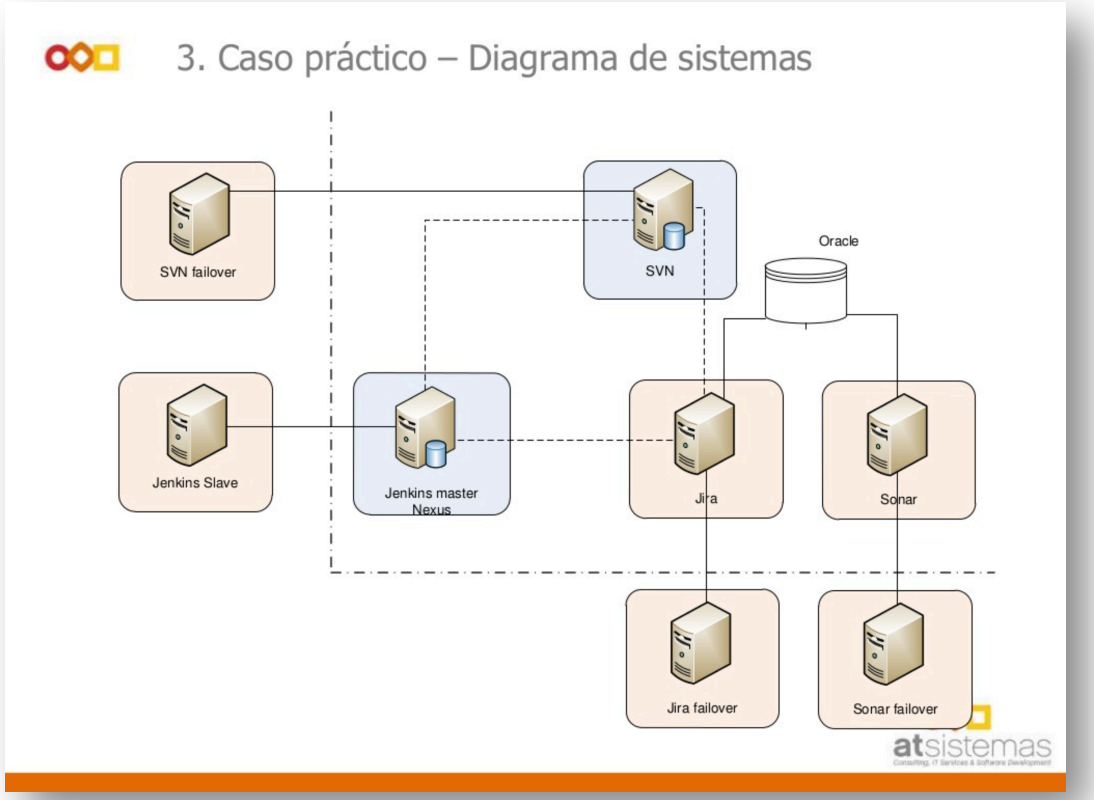

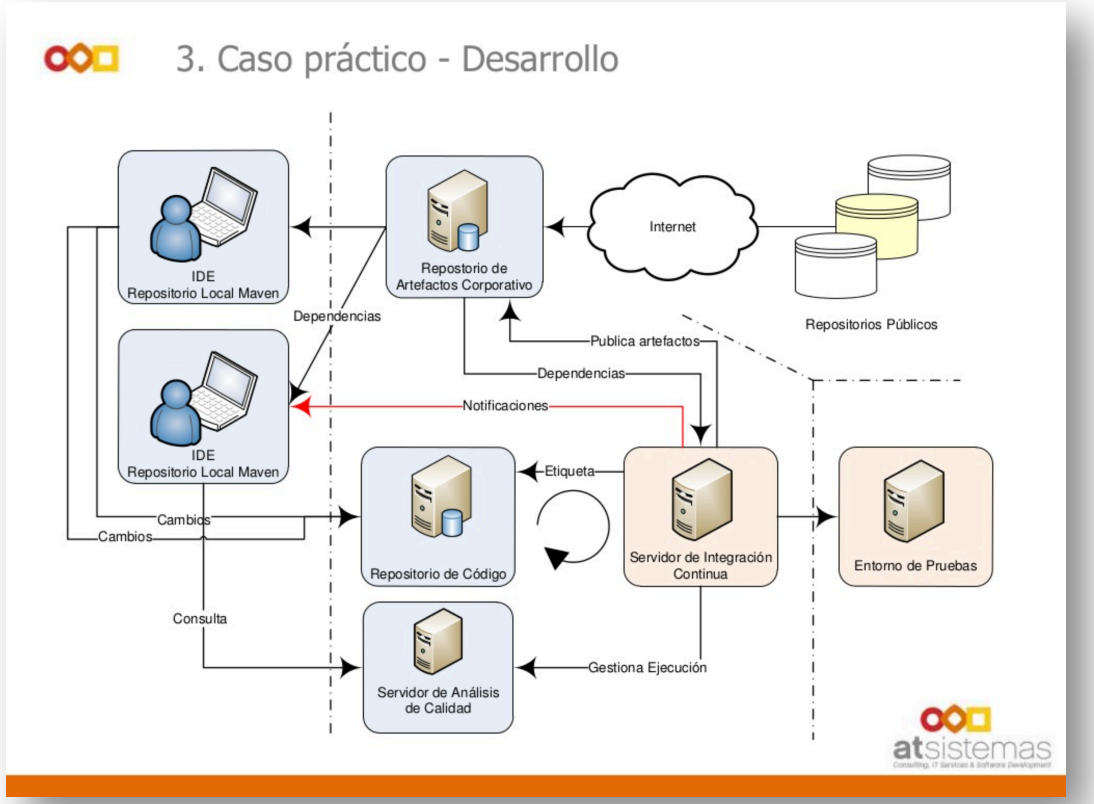

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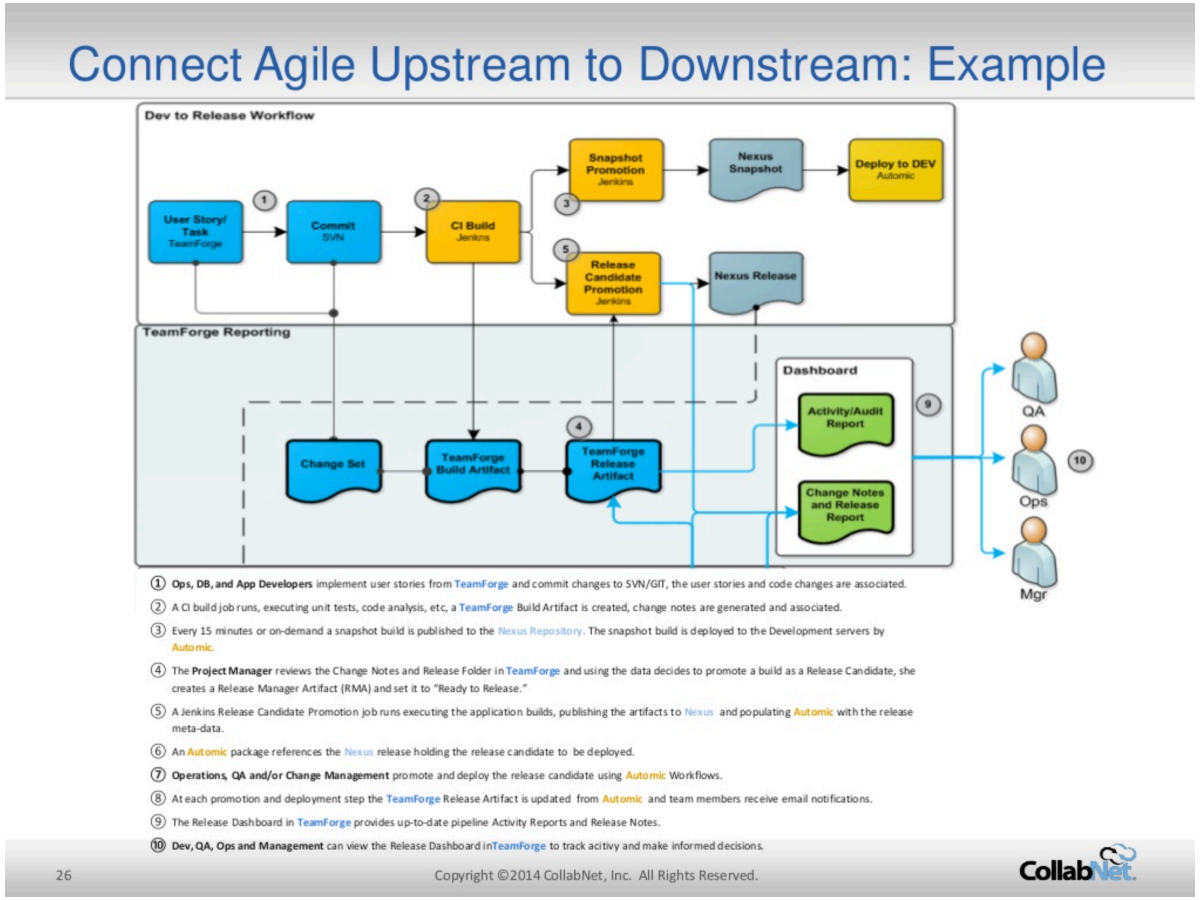

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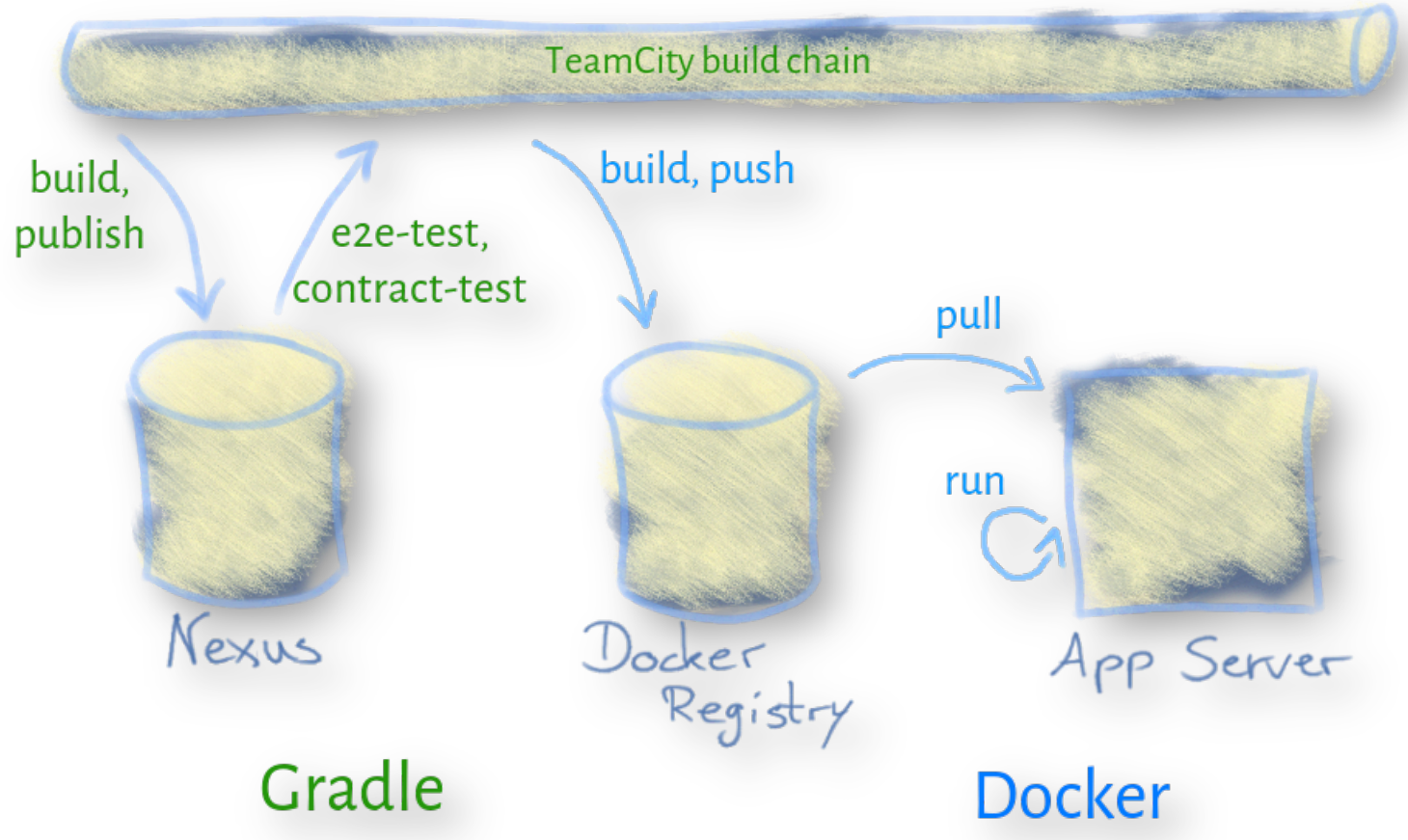

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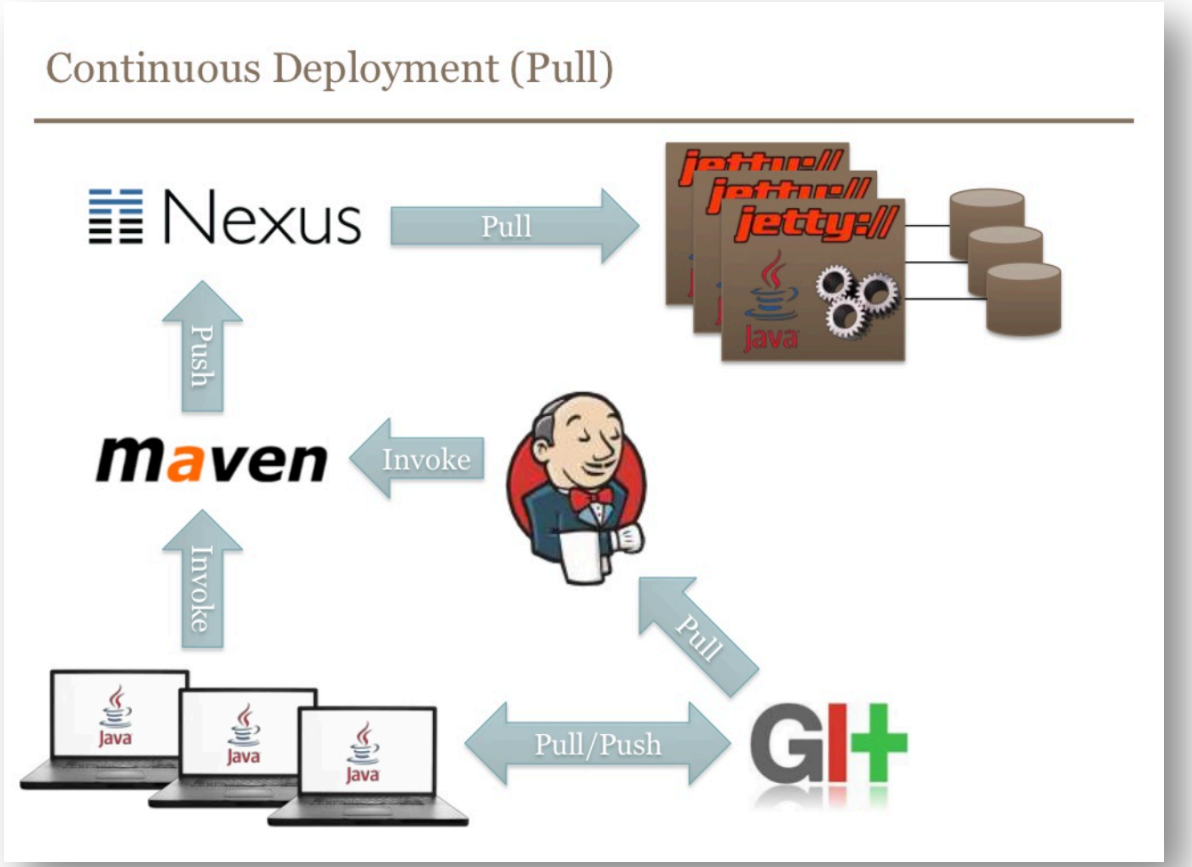

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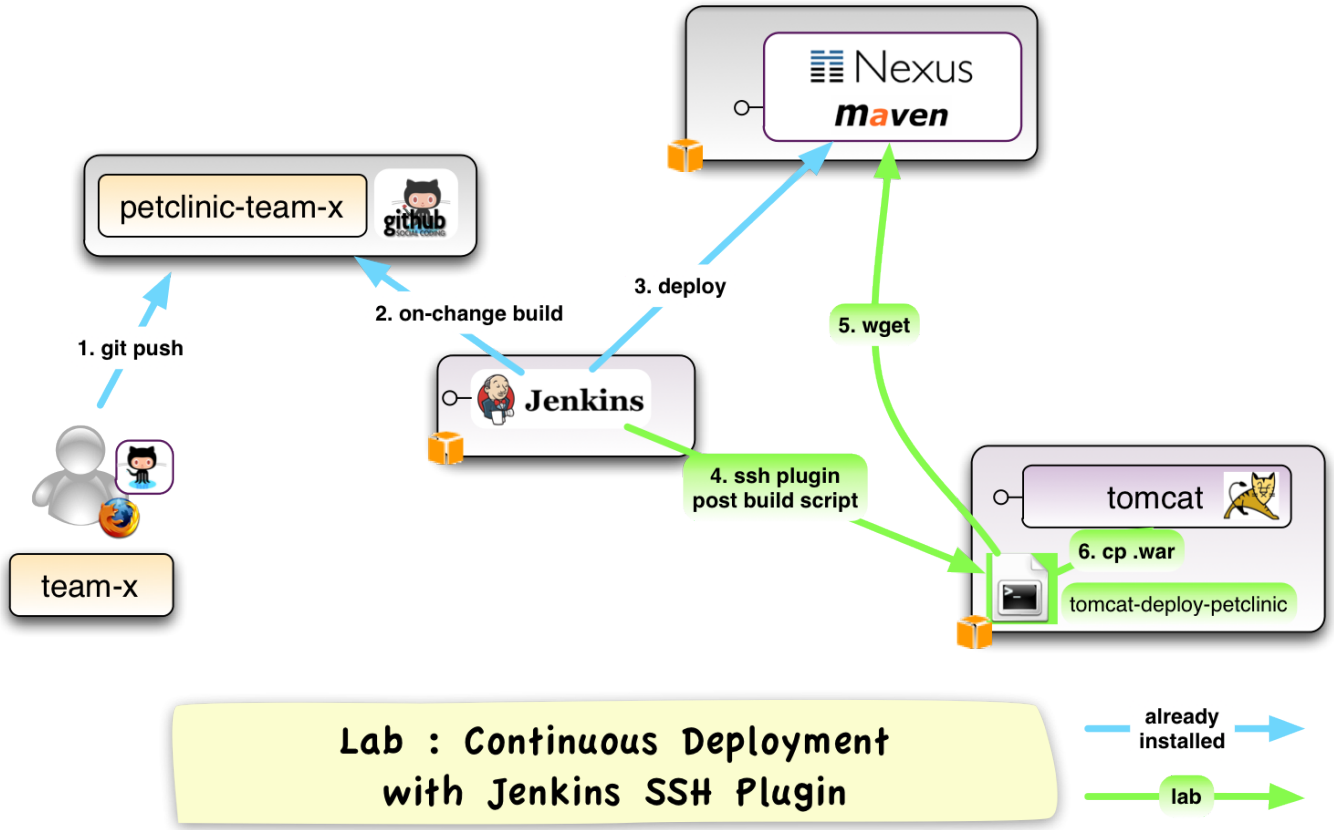

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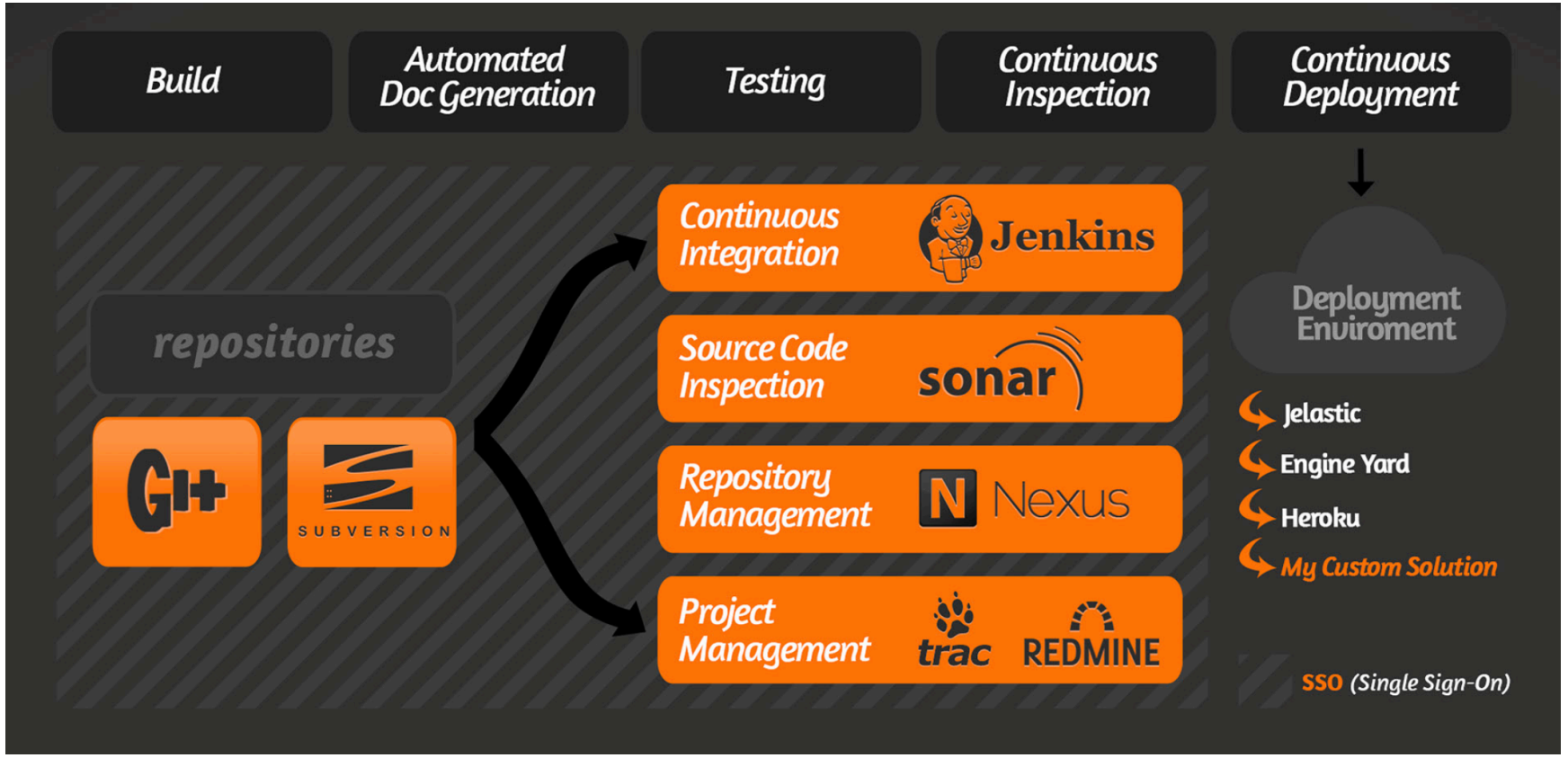

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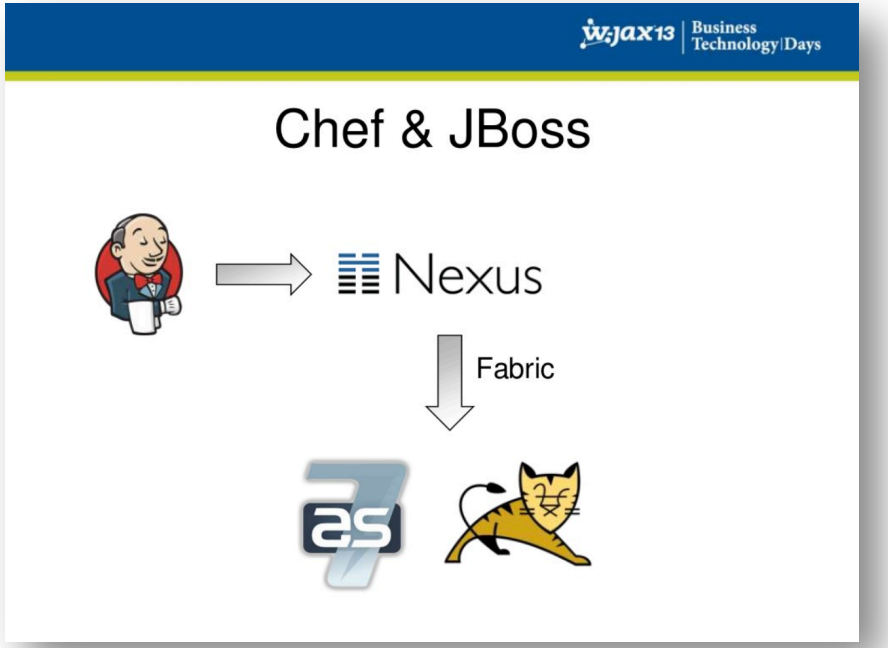

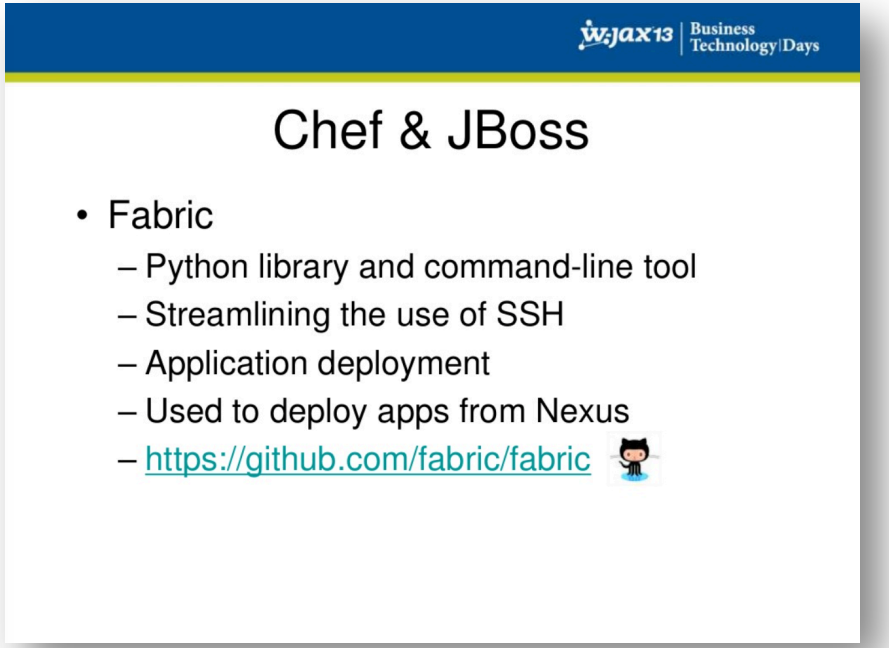

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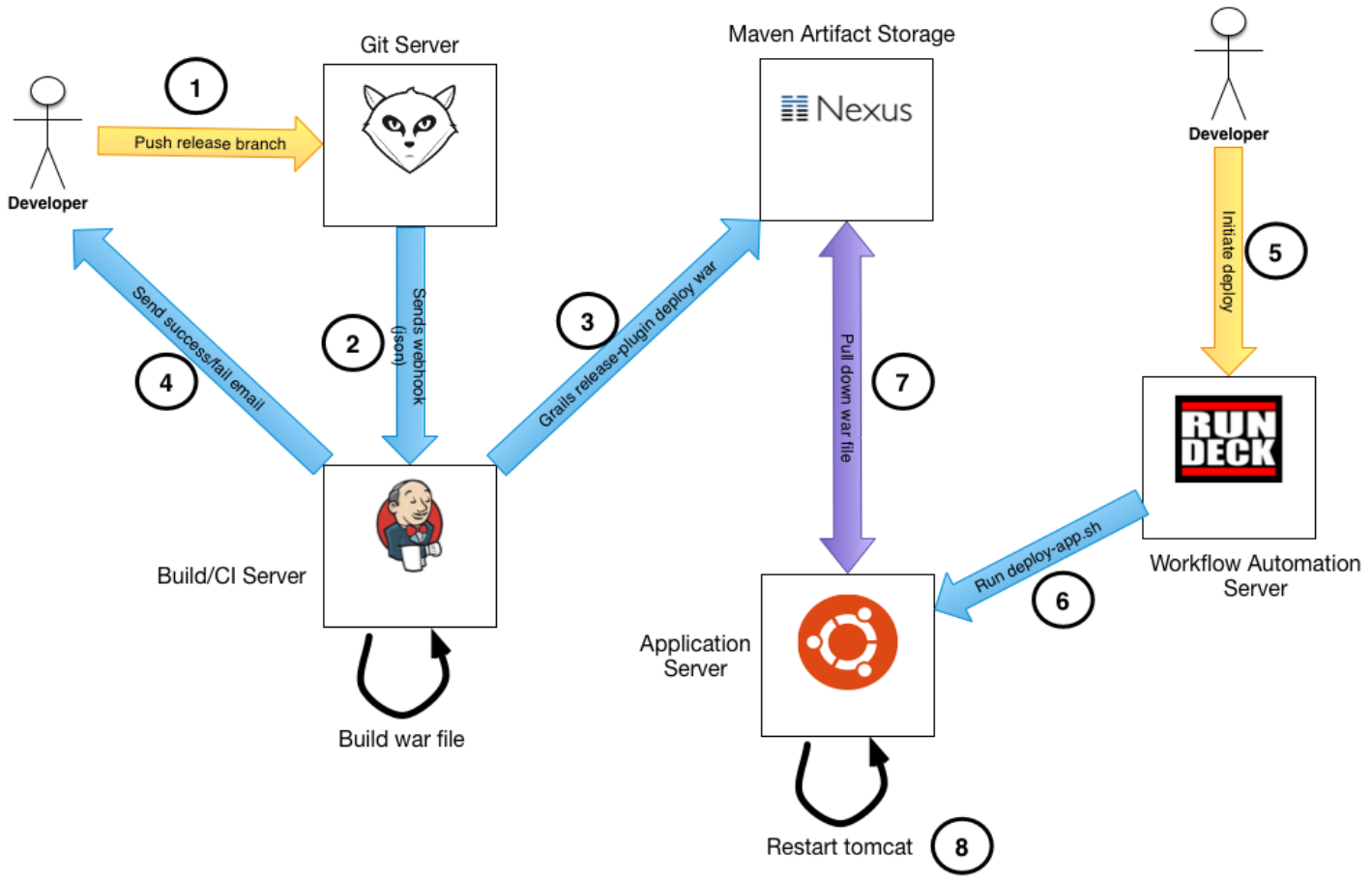

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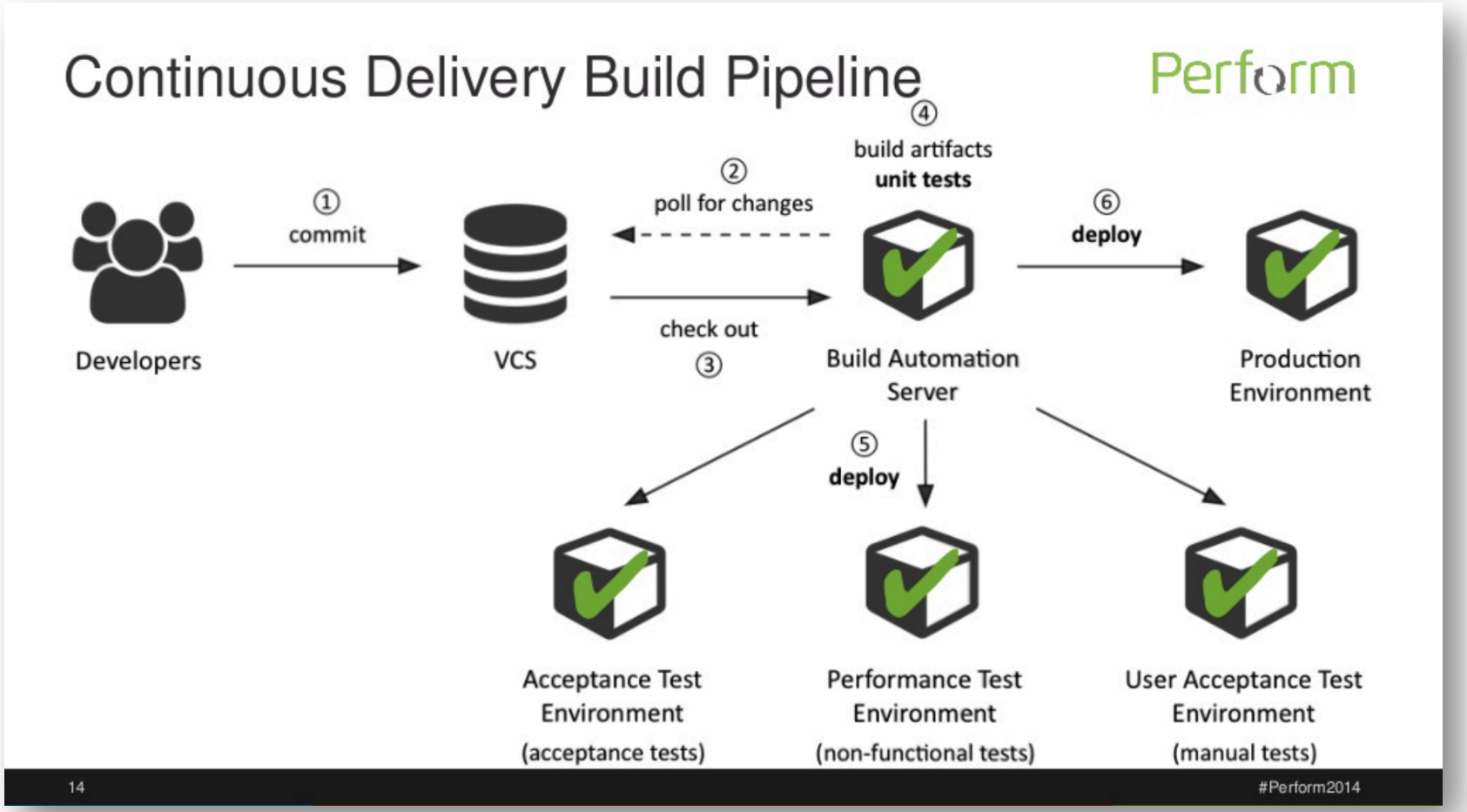

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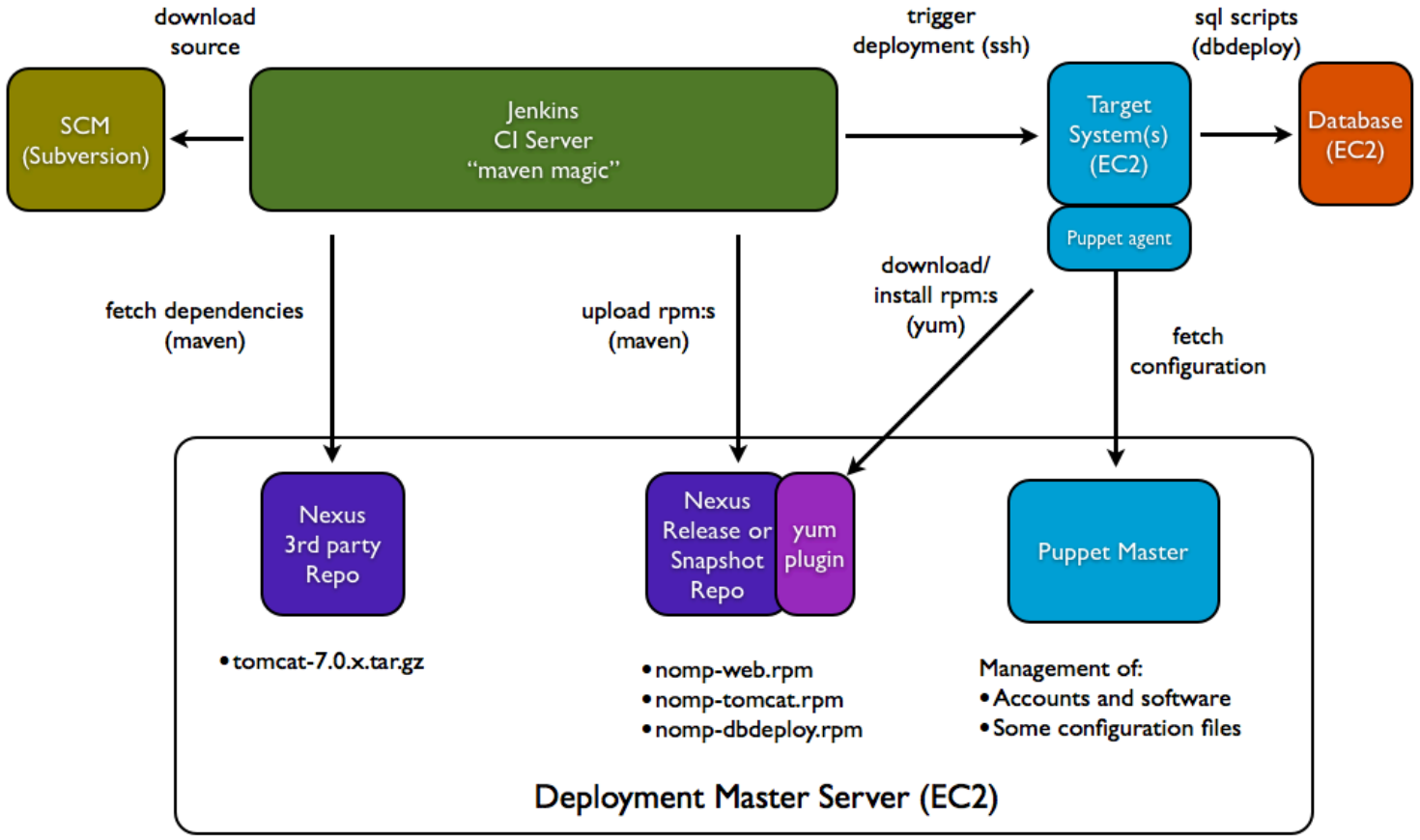

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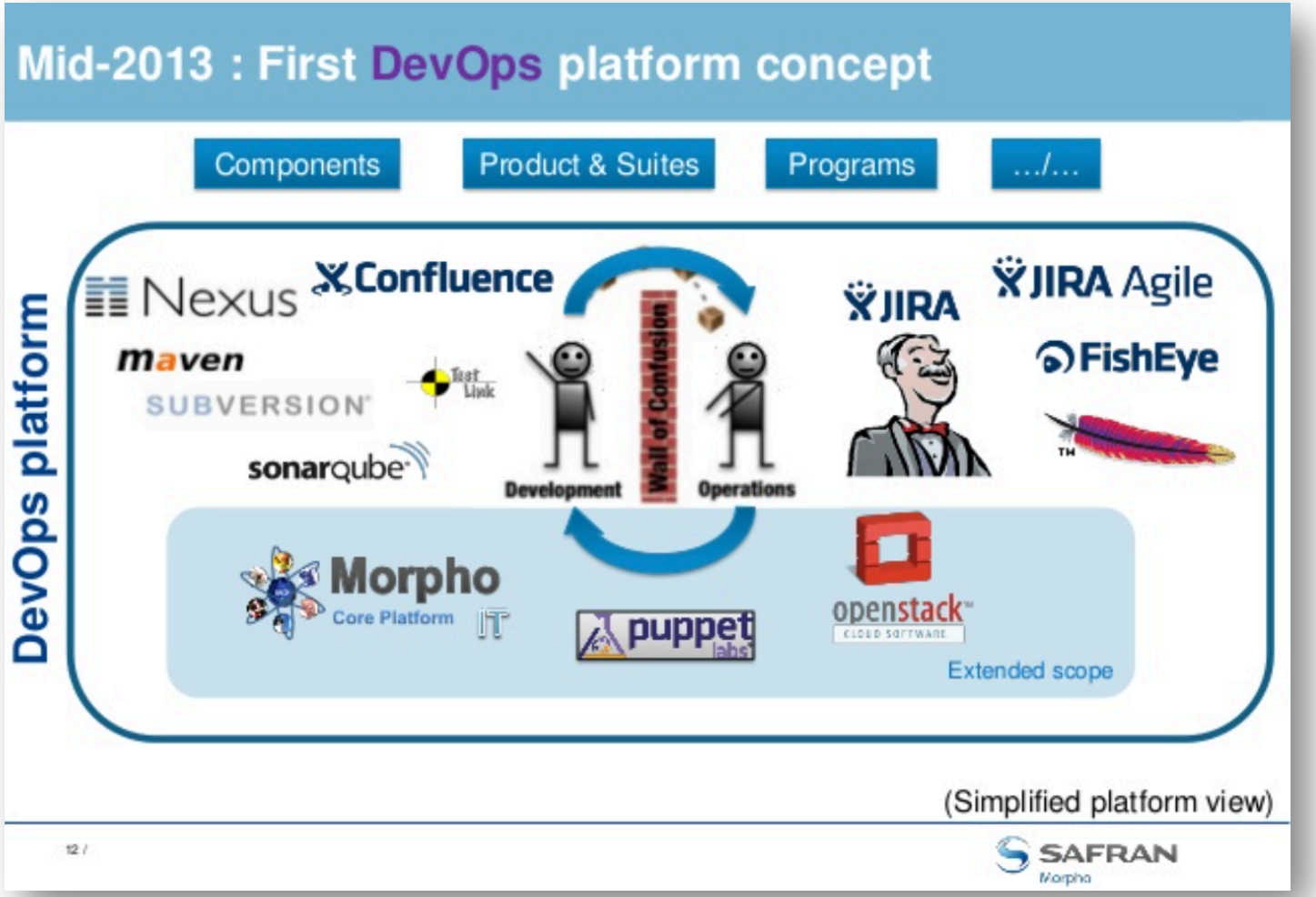

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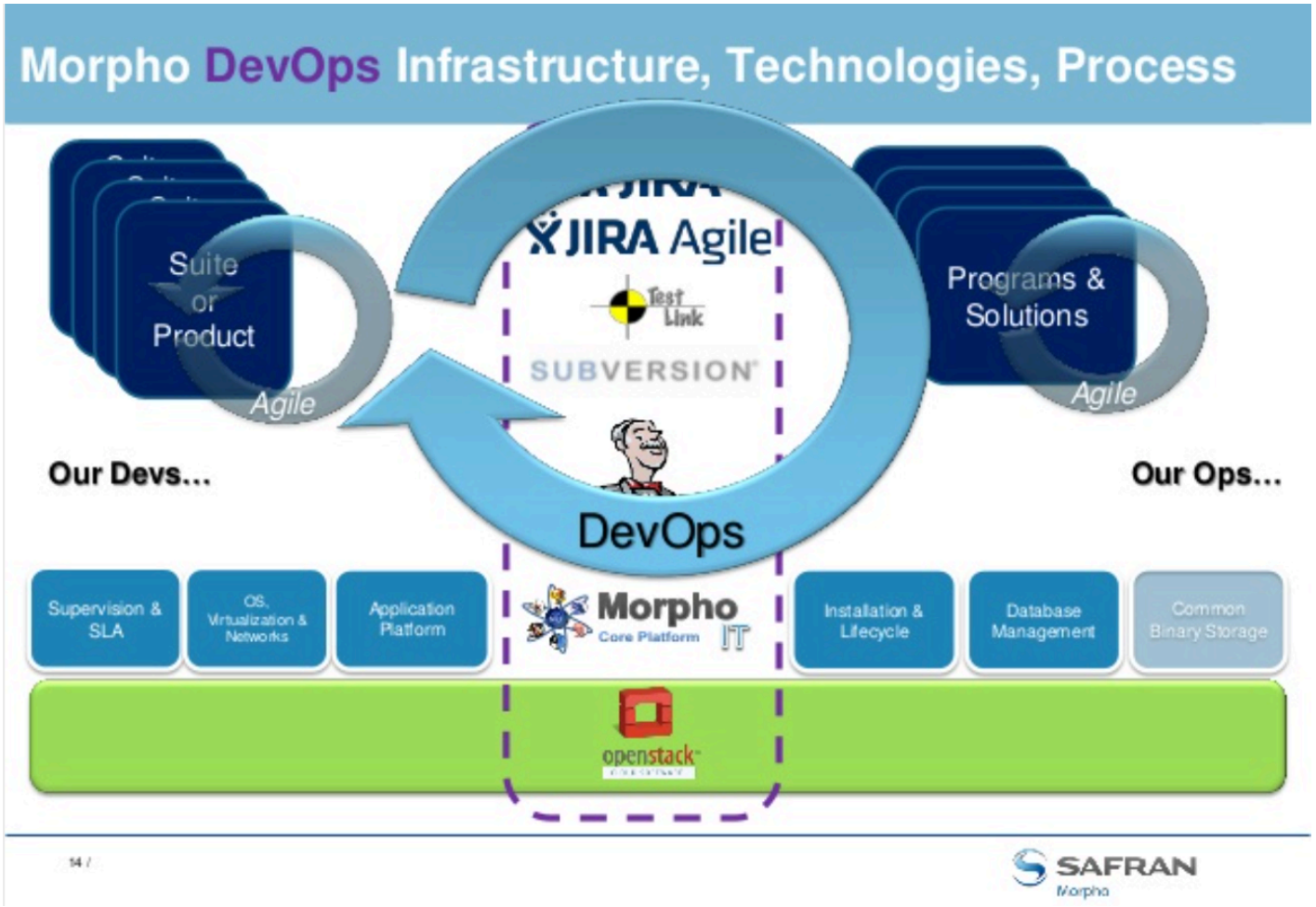

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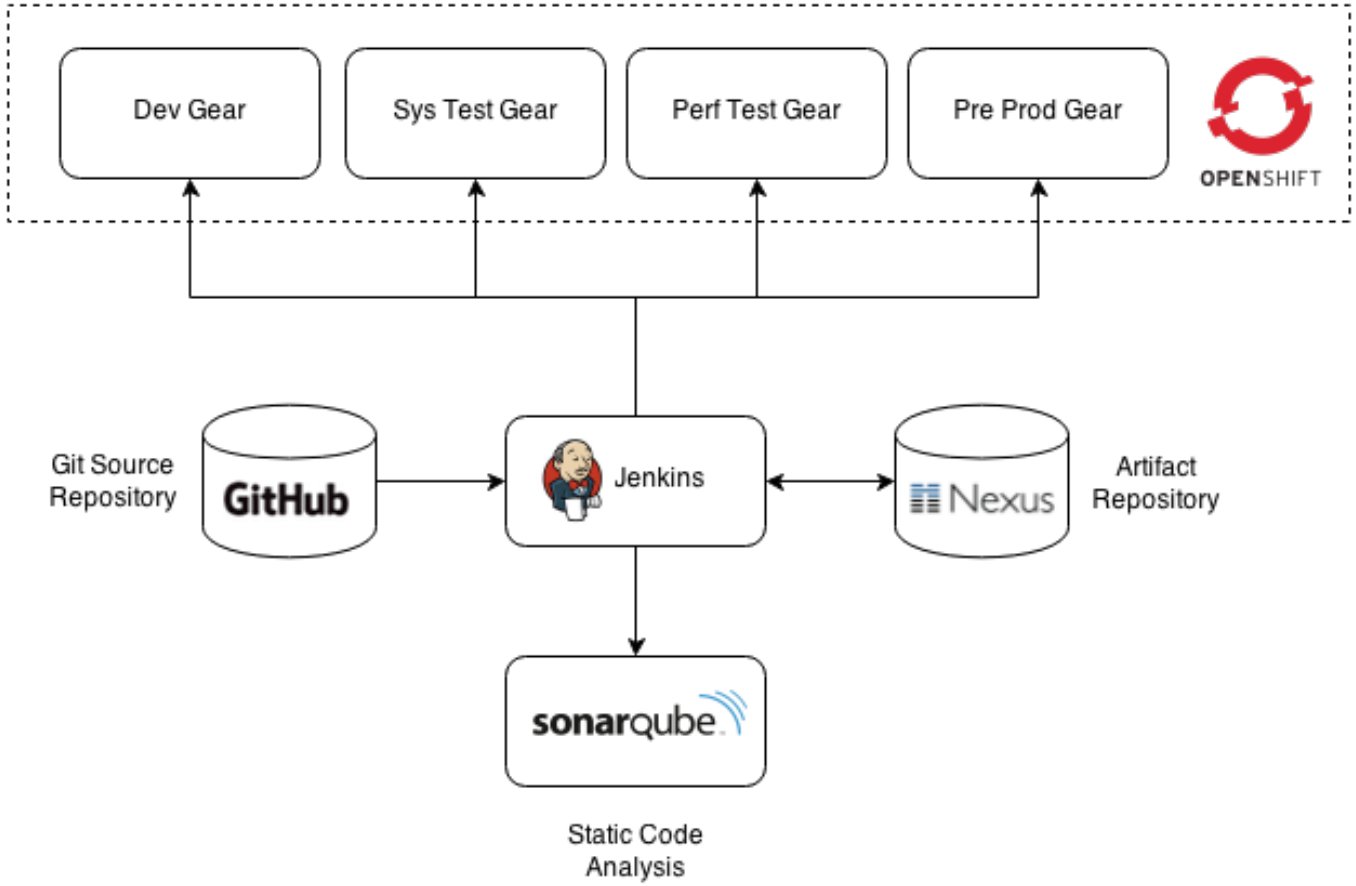

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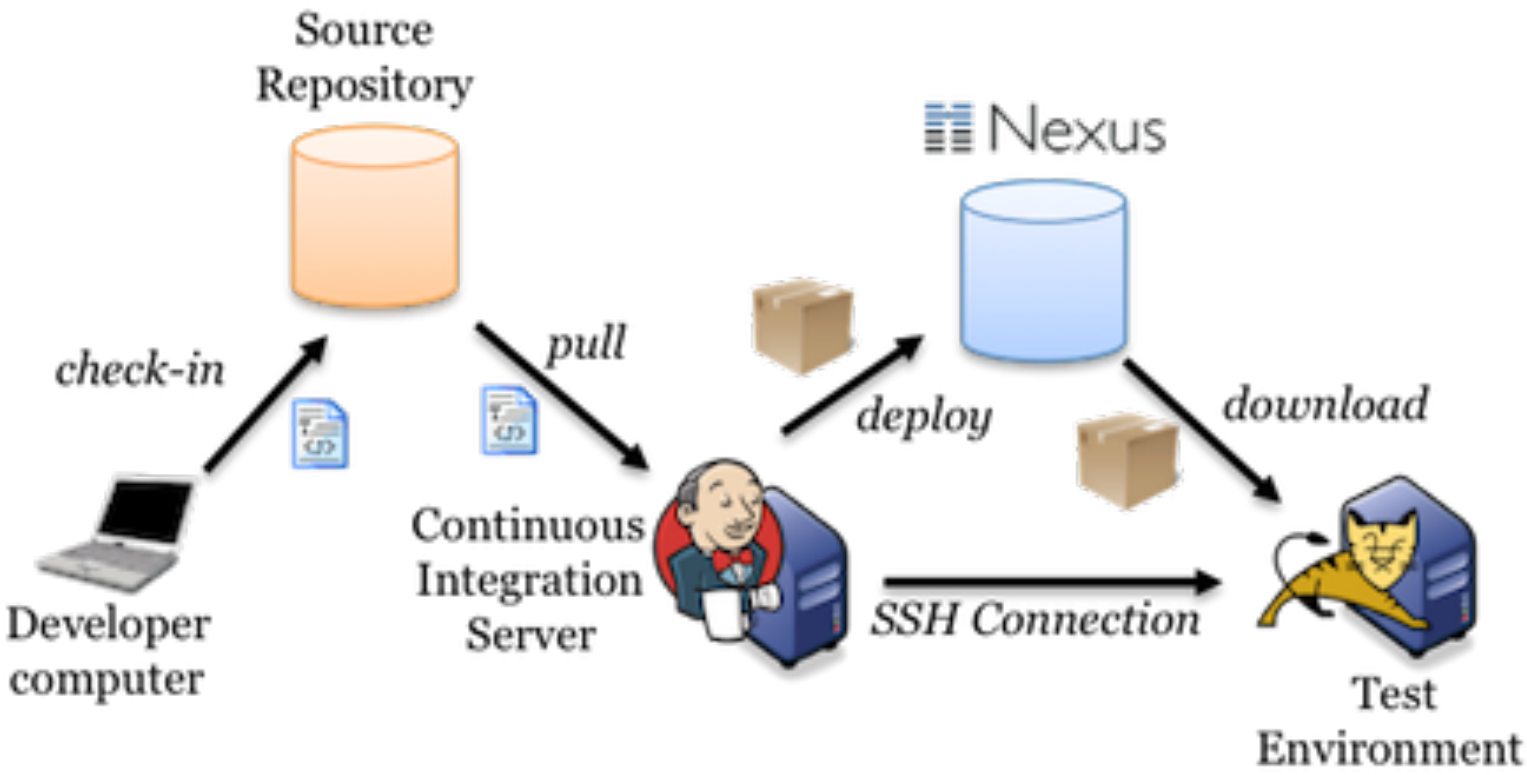

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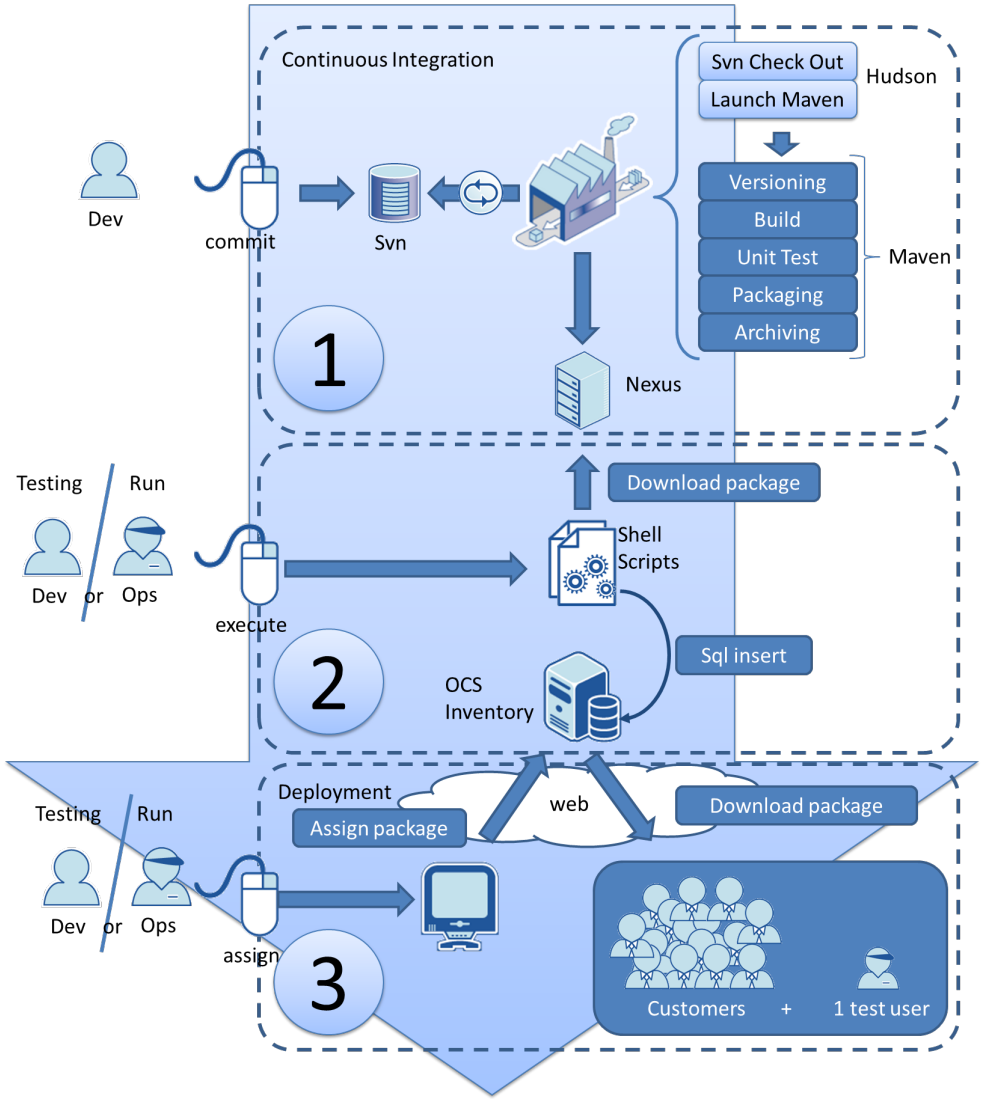

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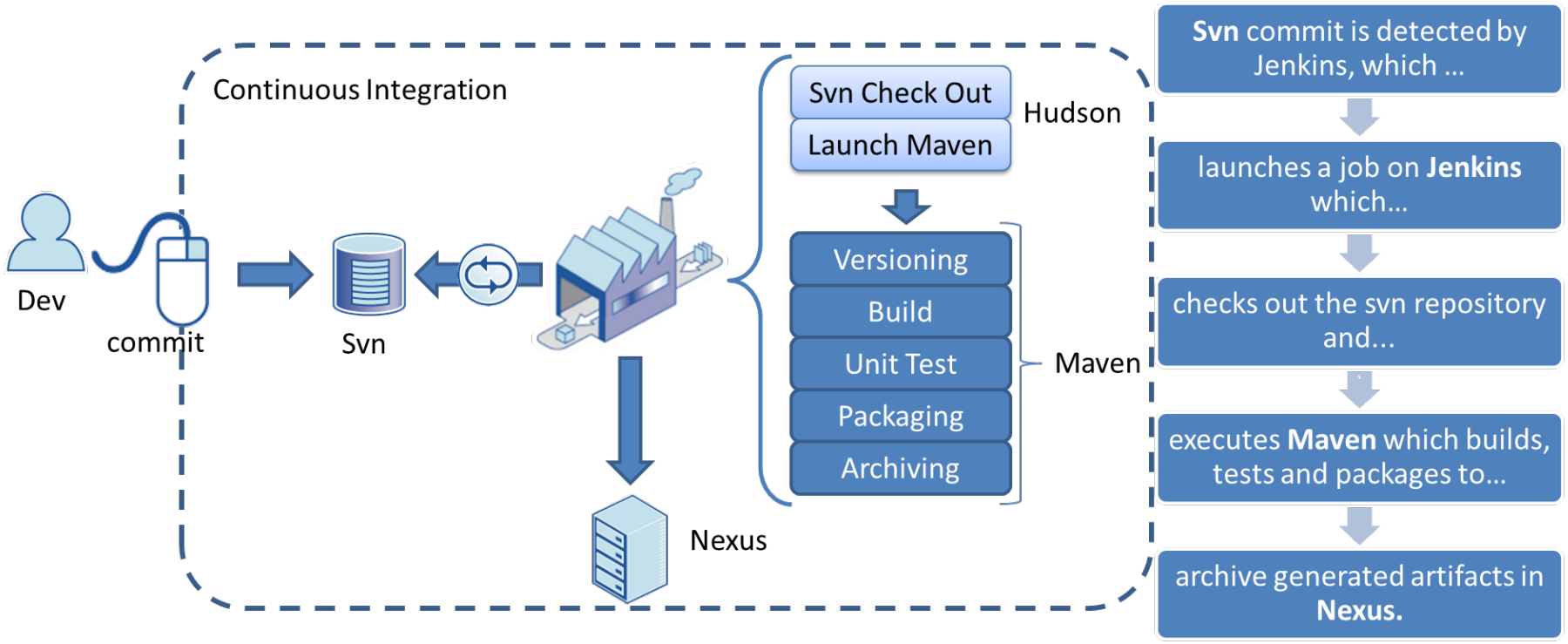

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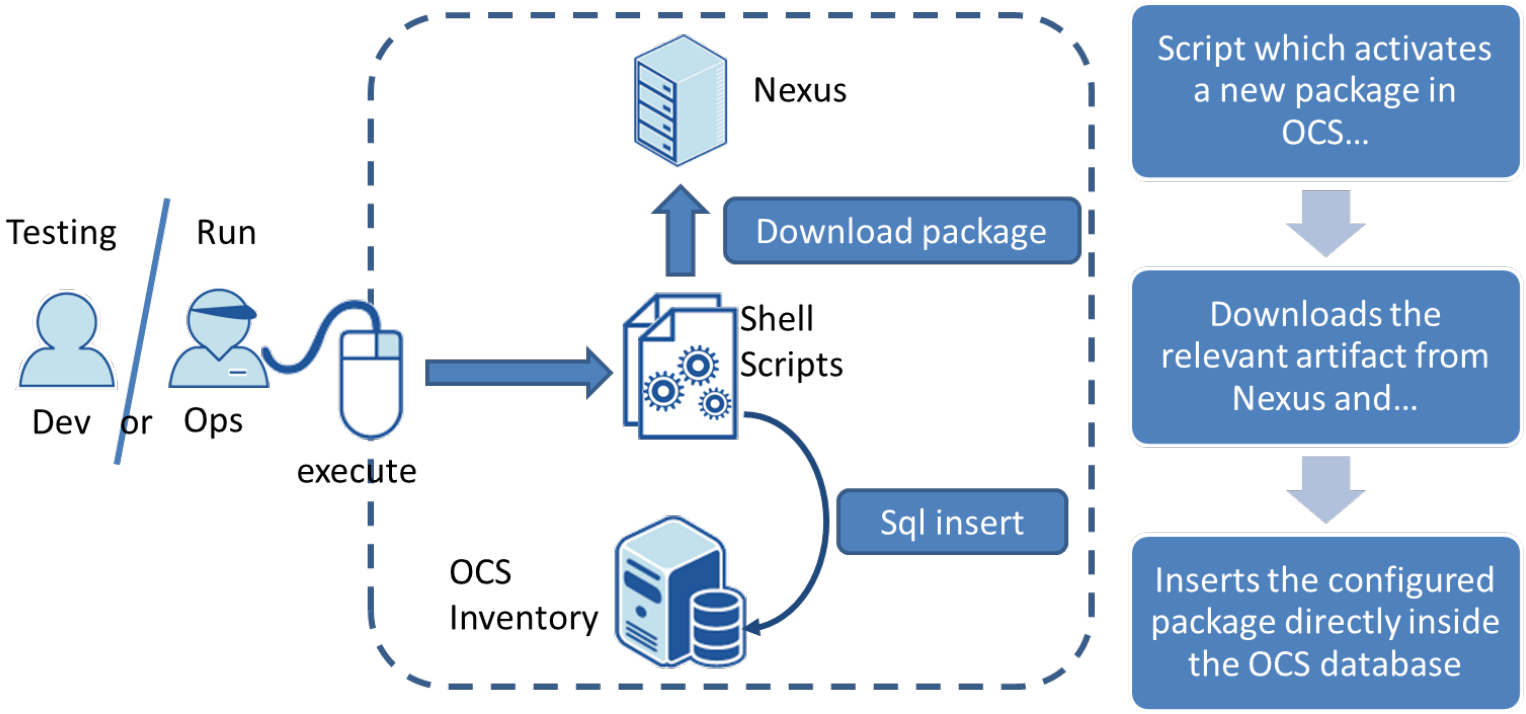

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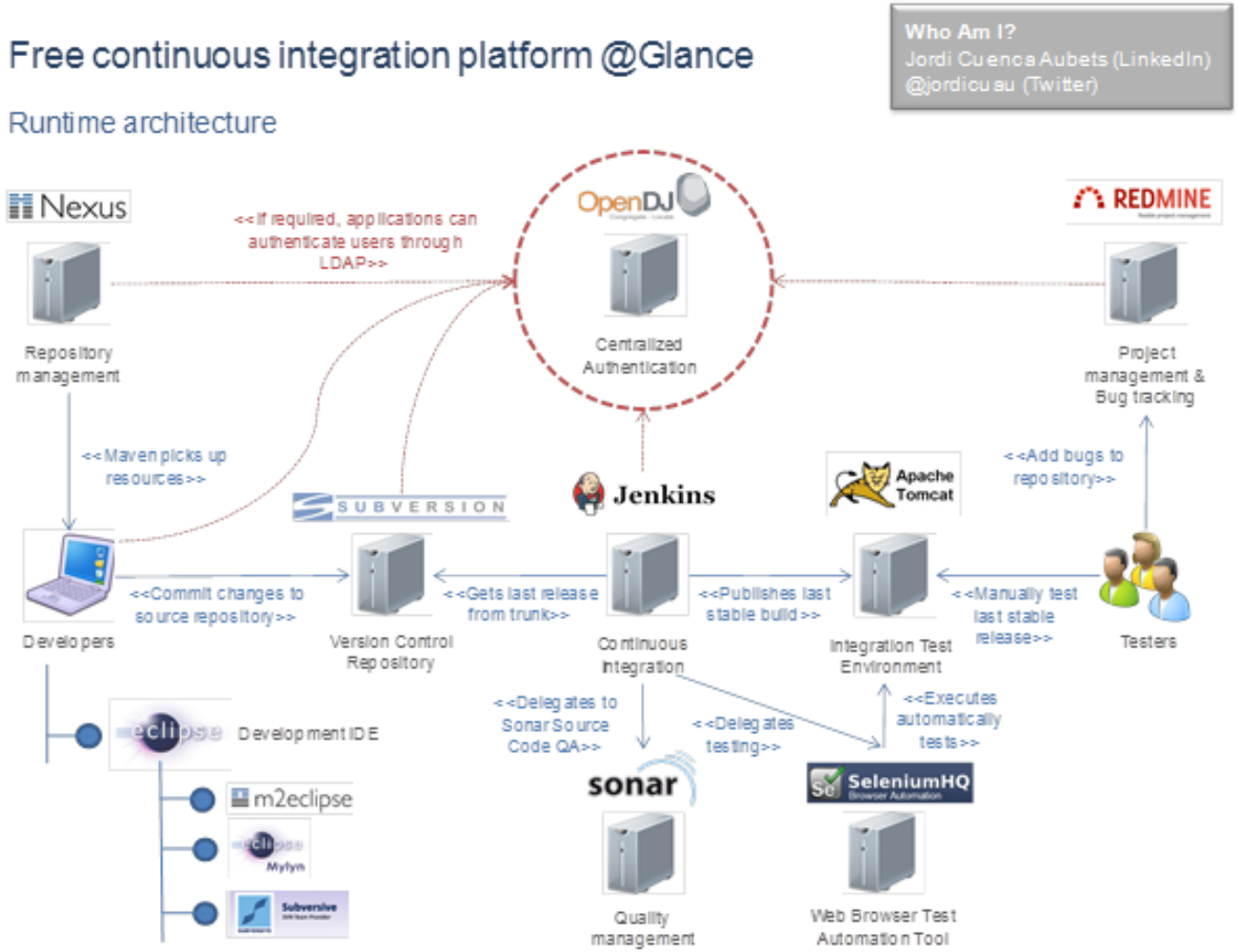
According to Jordi Cuenca-Aubets



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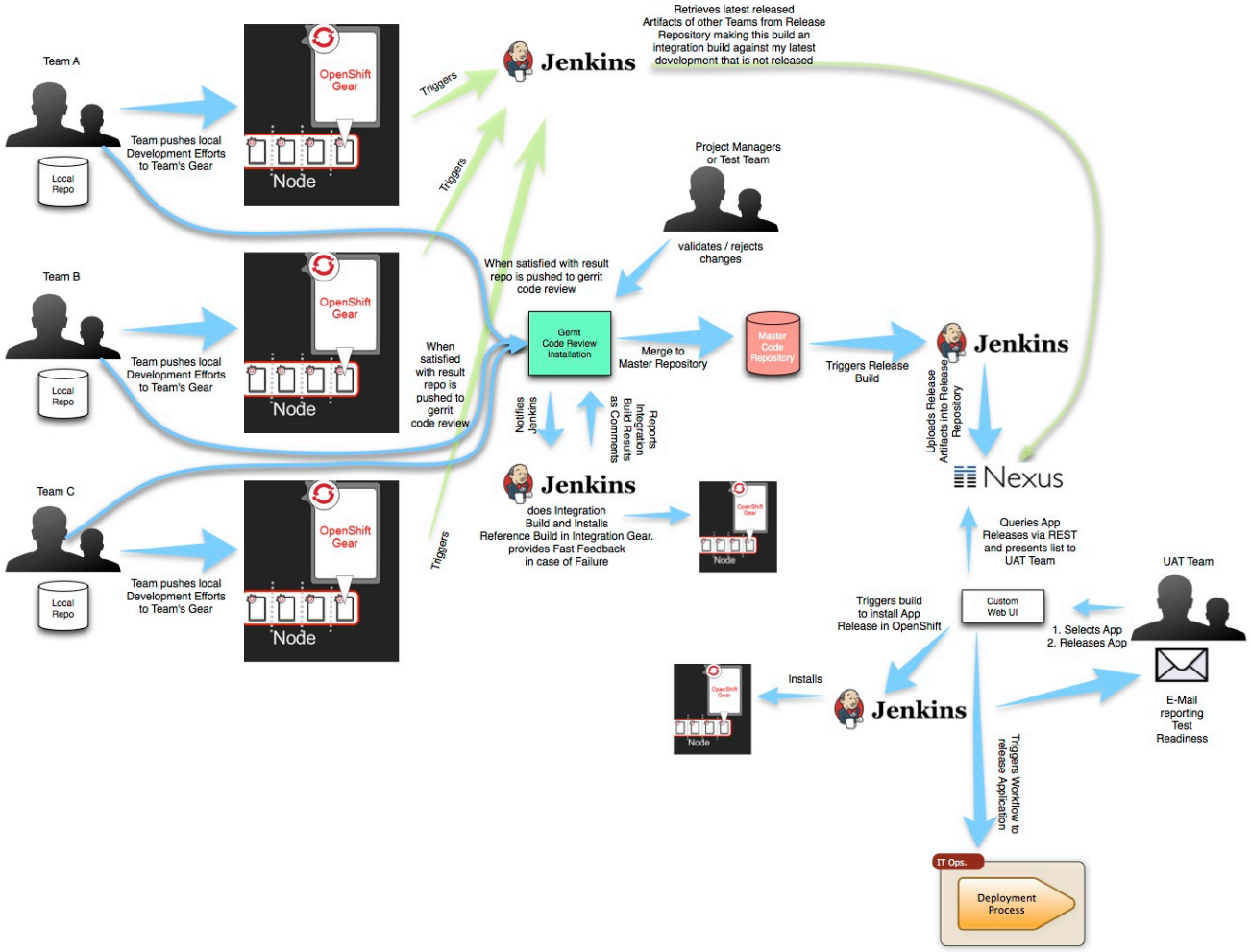

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Link to Blog: Continuous Delivery using PaaS

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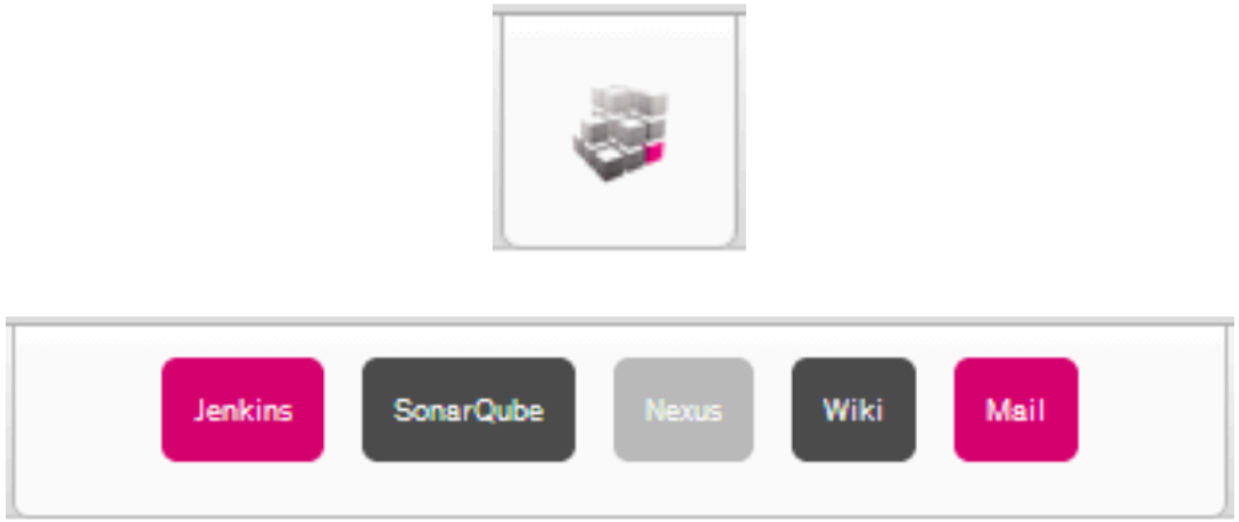
According to Michael Rumpf



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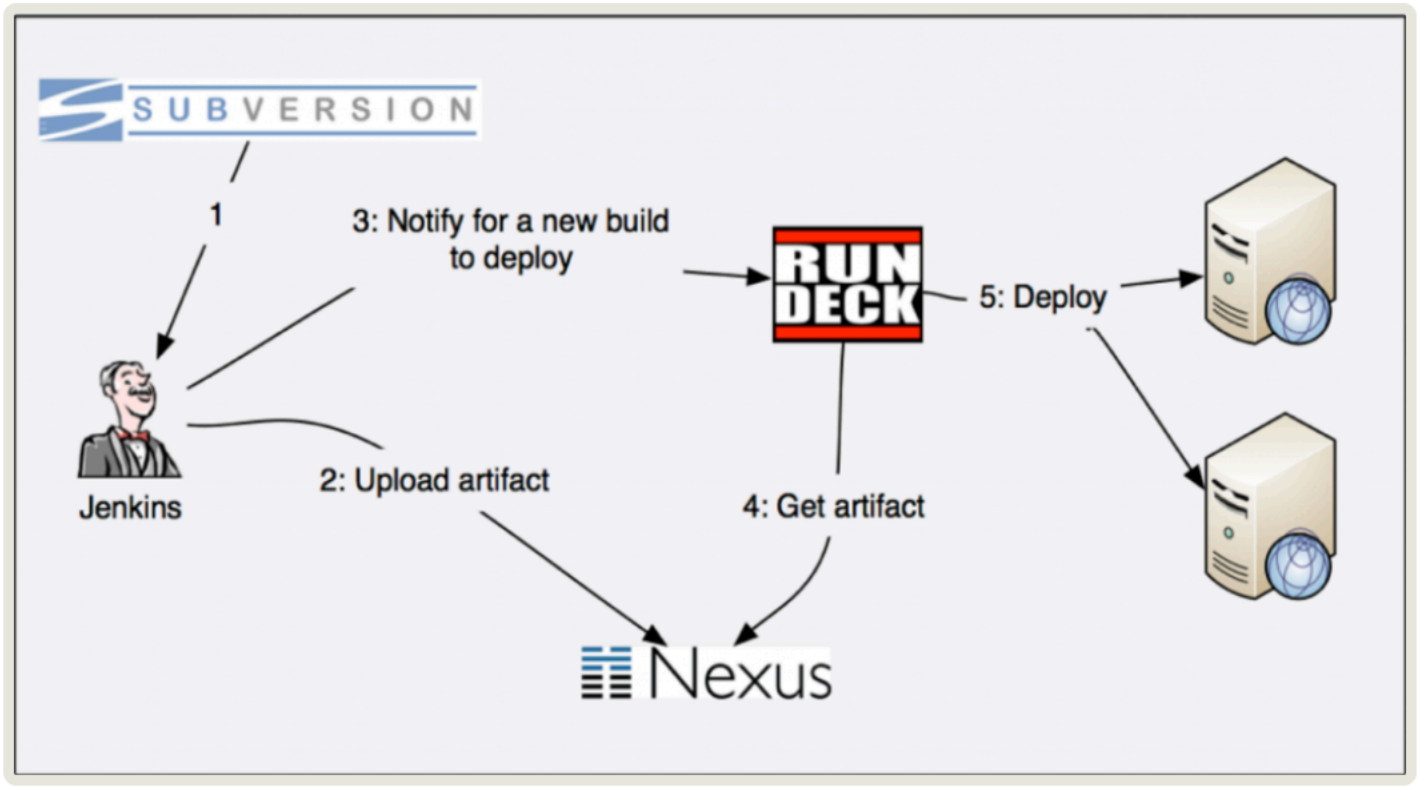

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Link to Blog: How I use Rundeck
http://bit.ly/25i8AhP

According to Paolo Antinori, RedHat

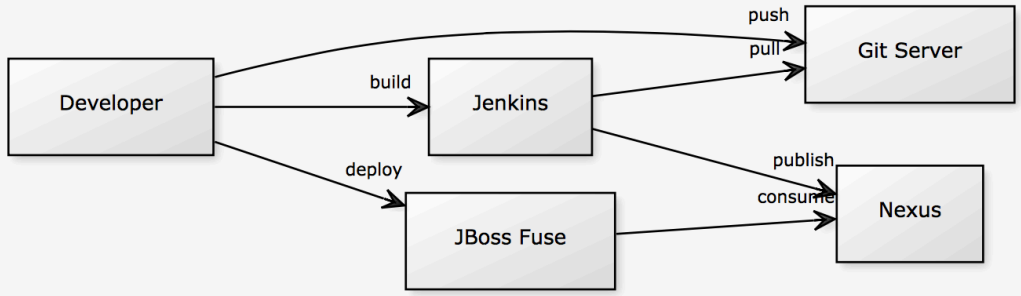
Let's start describing the component of our **sample Continuous Integration setup**:

1) **JBoss Fuse 6.1**
It's the **runtime** we are going to deploy onto. It lives in a dedicated box. It interacts with *Nexus* as the source of the artifacts we produce and publish.

2) **Nexus**
It's the software we use to **store the binaries** we produce from our code base. It is accessed by *JBoss Fuse*, that downloads artifacts from it but it is also accessed from *Jenkins*, that publishes binaries on it, as the last step of a successful build job.

3) **Jenkins**
It's our **build jobs invoker**. It publishes its outputs to *Nexus* and it builds its output if the code it checked out with *Git* builds successfully.

4) **Git Server**
It's the **remote code repository** holder. It's accessed by *Jenkins* to download the most recent version of the code we want to build and it's populated by all the *developers* when they share their code and when they want to build on the Continous Integration server. **In our case, git server is just a filesystem accessed via ssh**.



http://yuml.me/edit/7e75fab5

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Link to Blog: Continuous Integration
http://bit.ly/1sxX6ok

According to Atlassian

Atlassian

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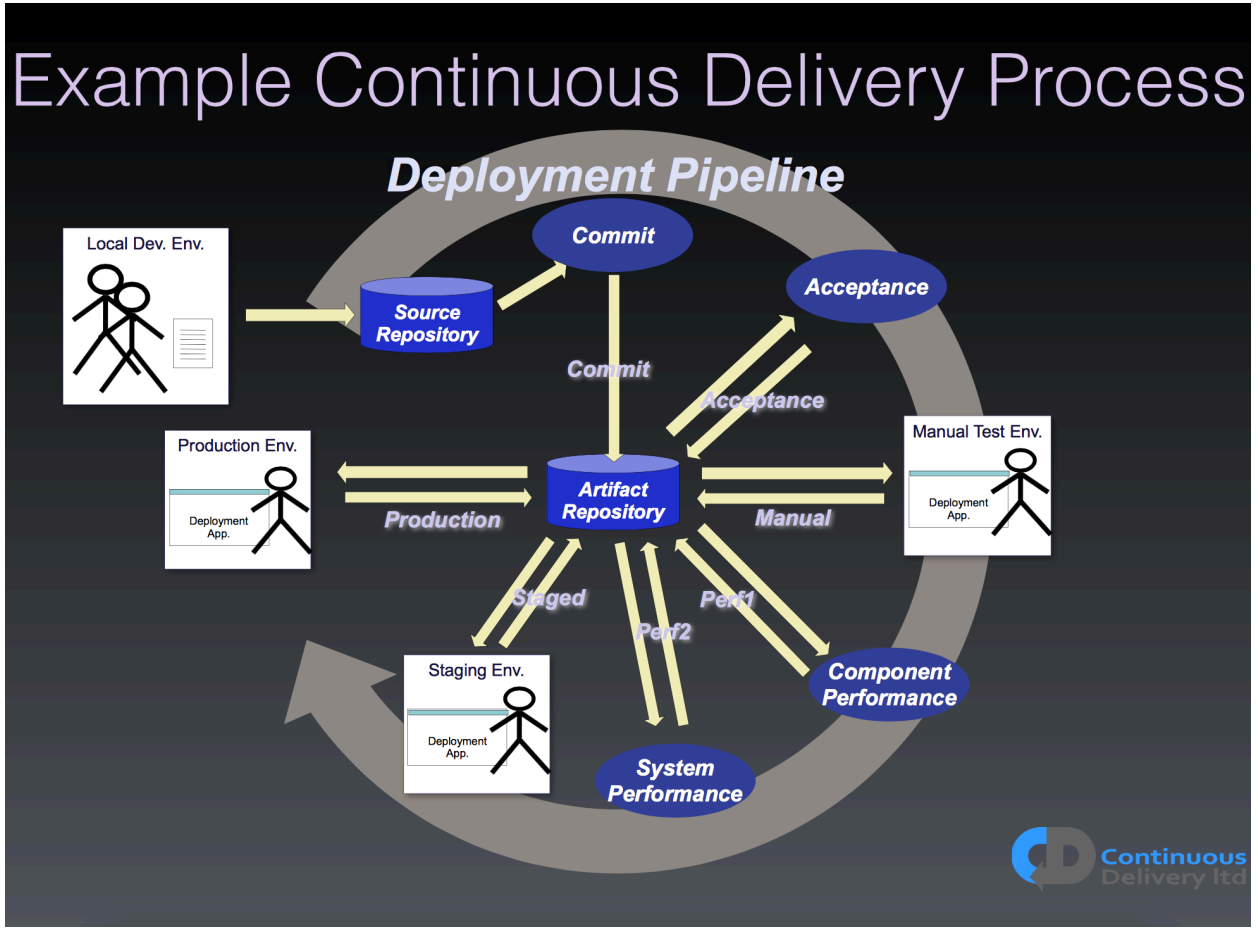
Link to Presentation: Puppet Camp Sydney
http://bit.ly/1VfPgLL

According to Continuous Delivery Ltd



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Link to Presentation: The Rationale for Continuous Delivery

http://bit.ly/1WdmsVa

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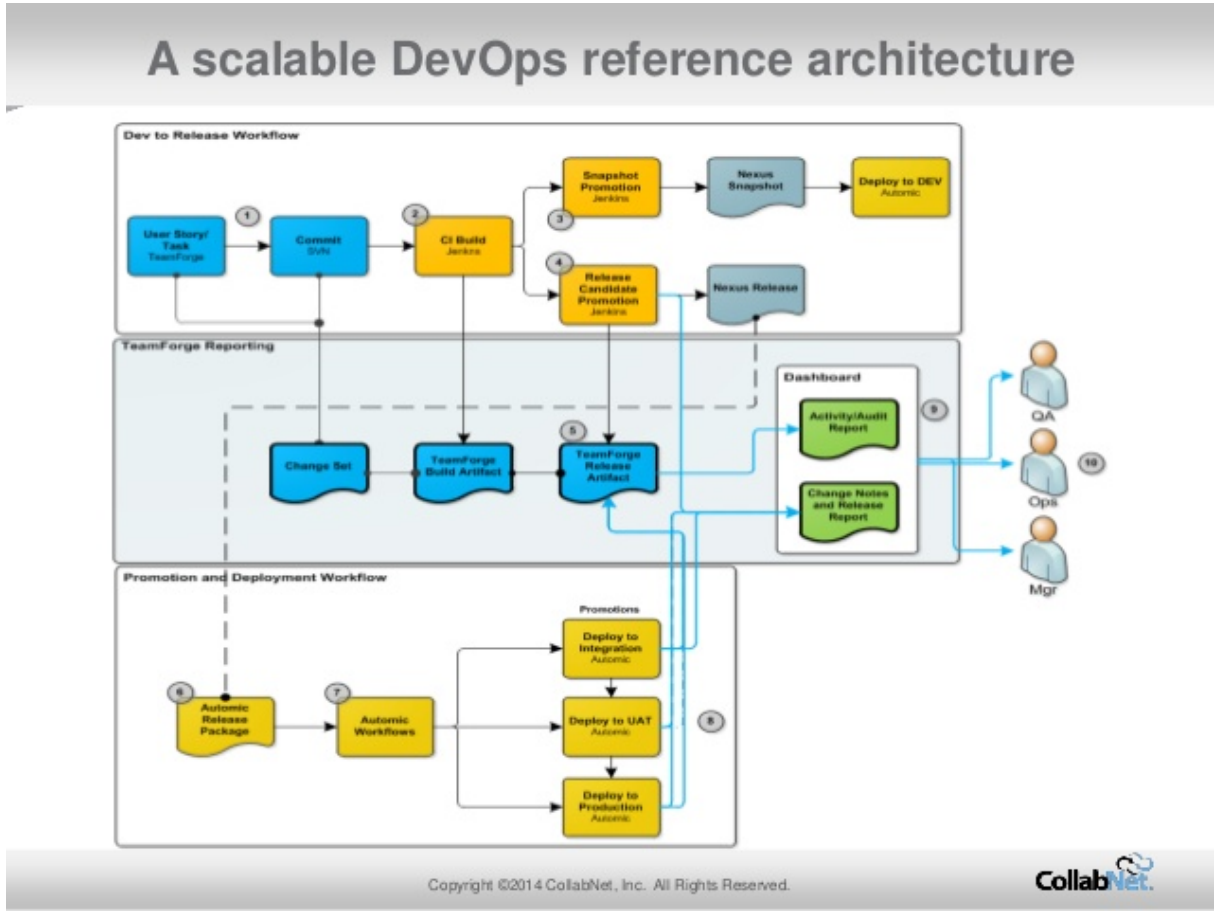

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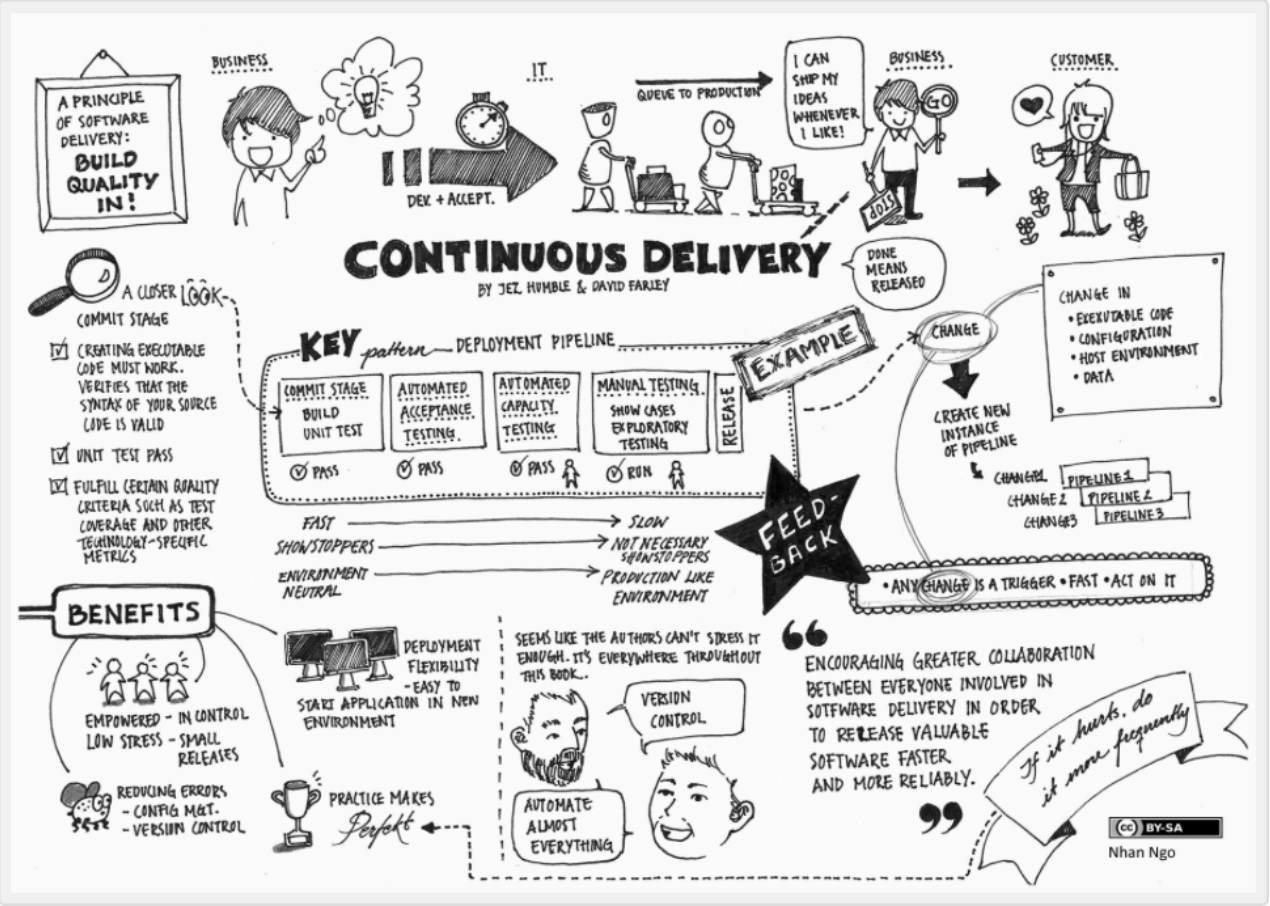

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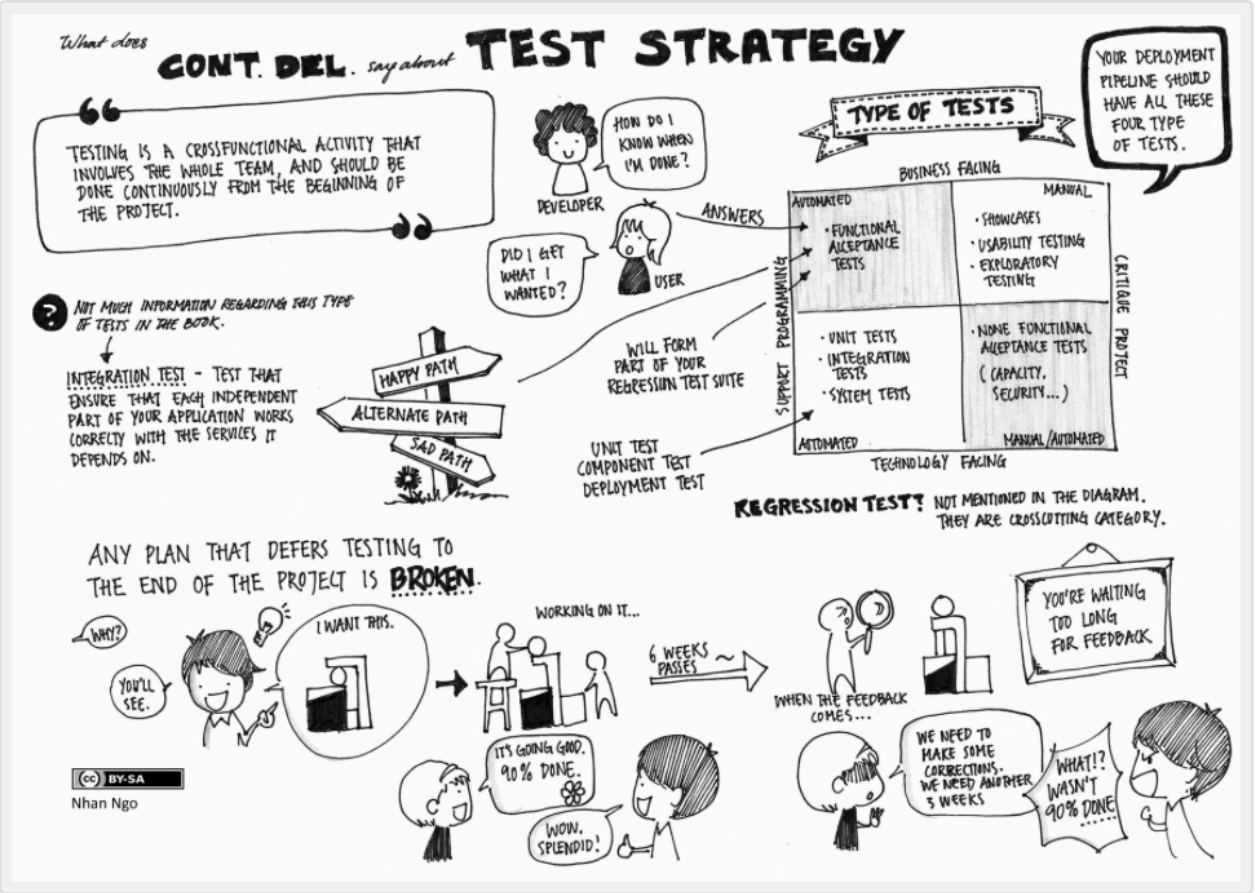

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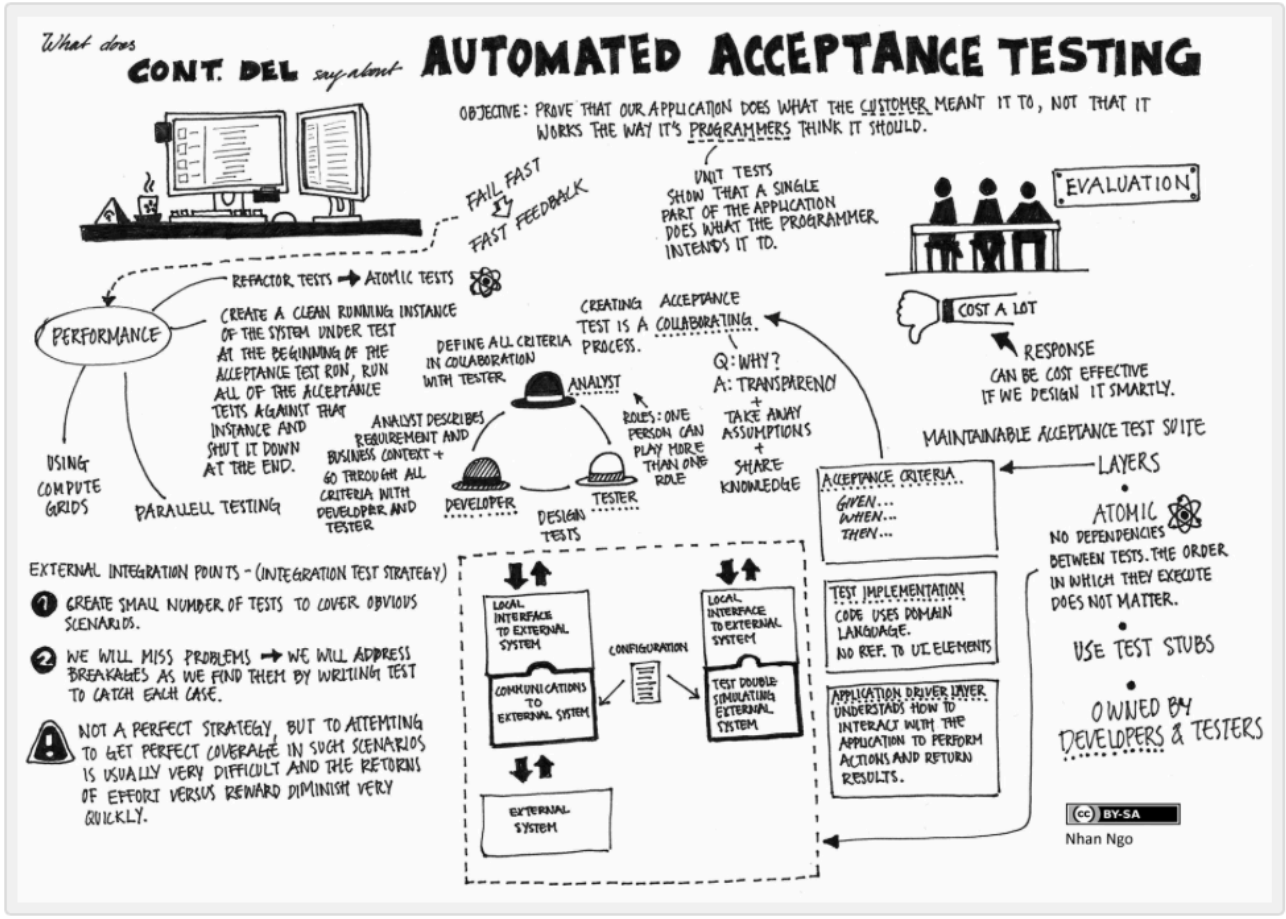

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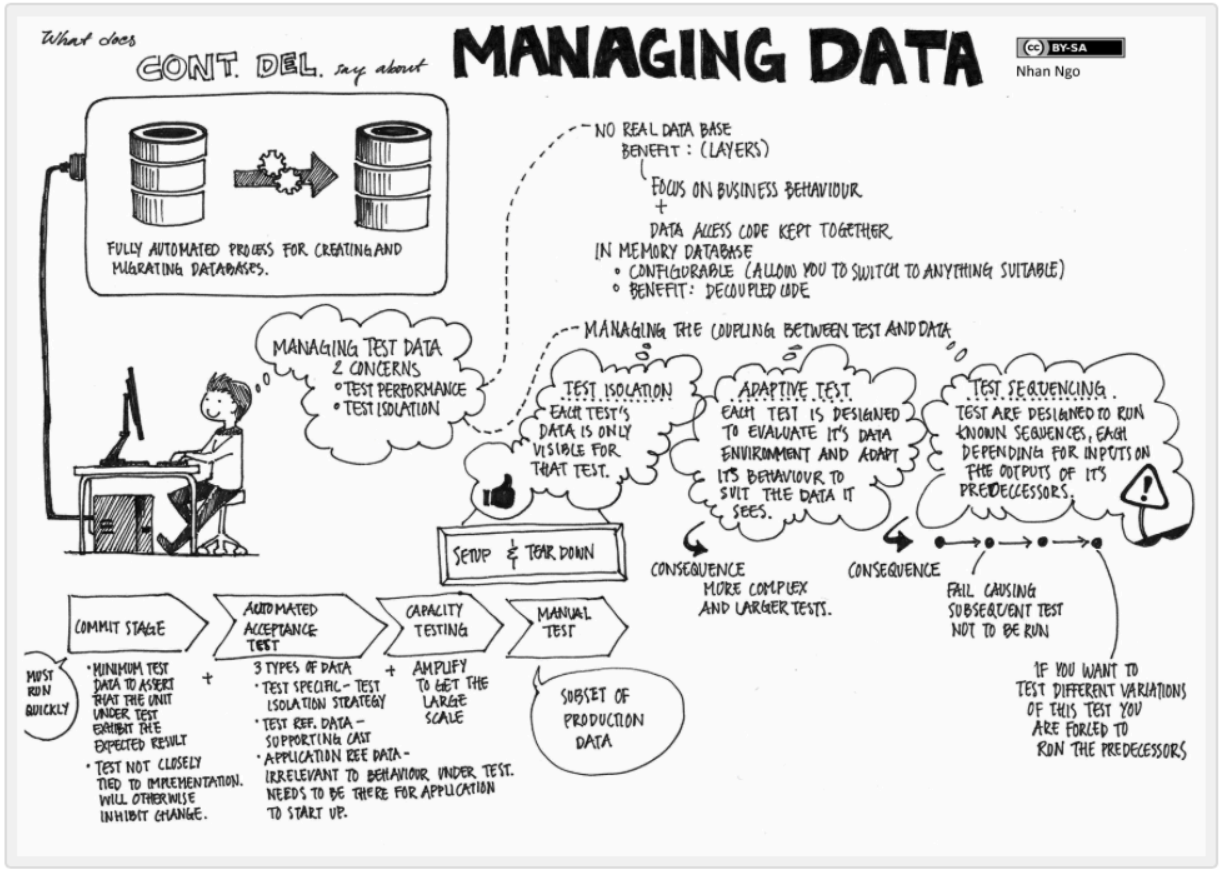

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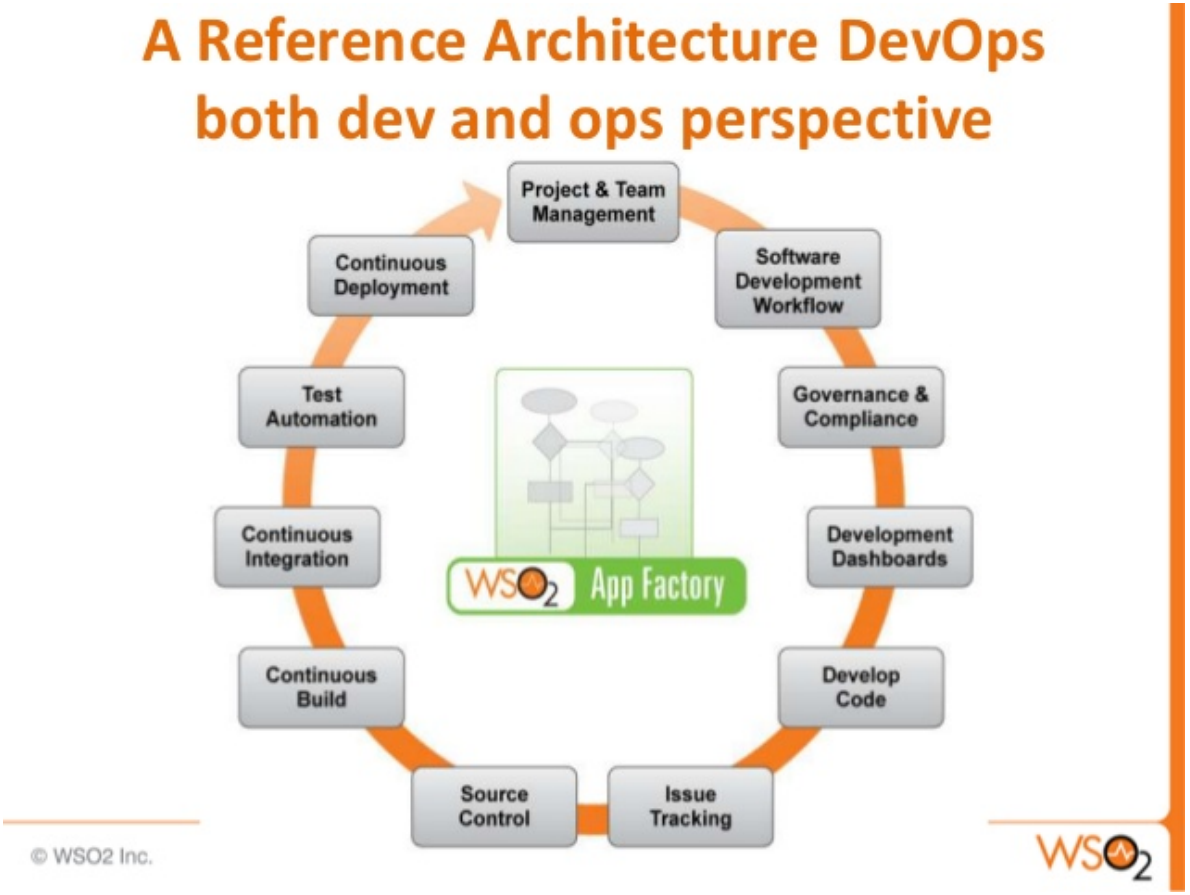

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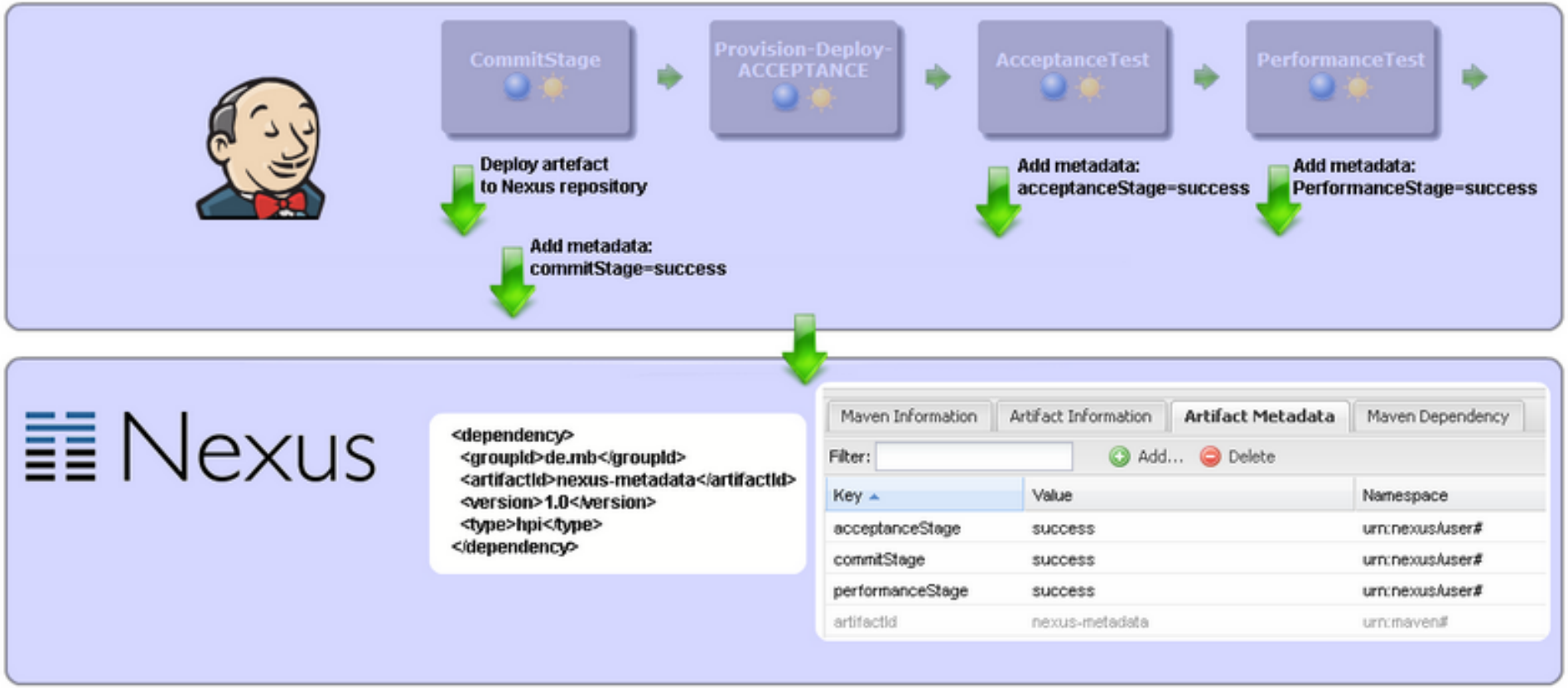
codecentric



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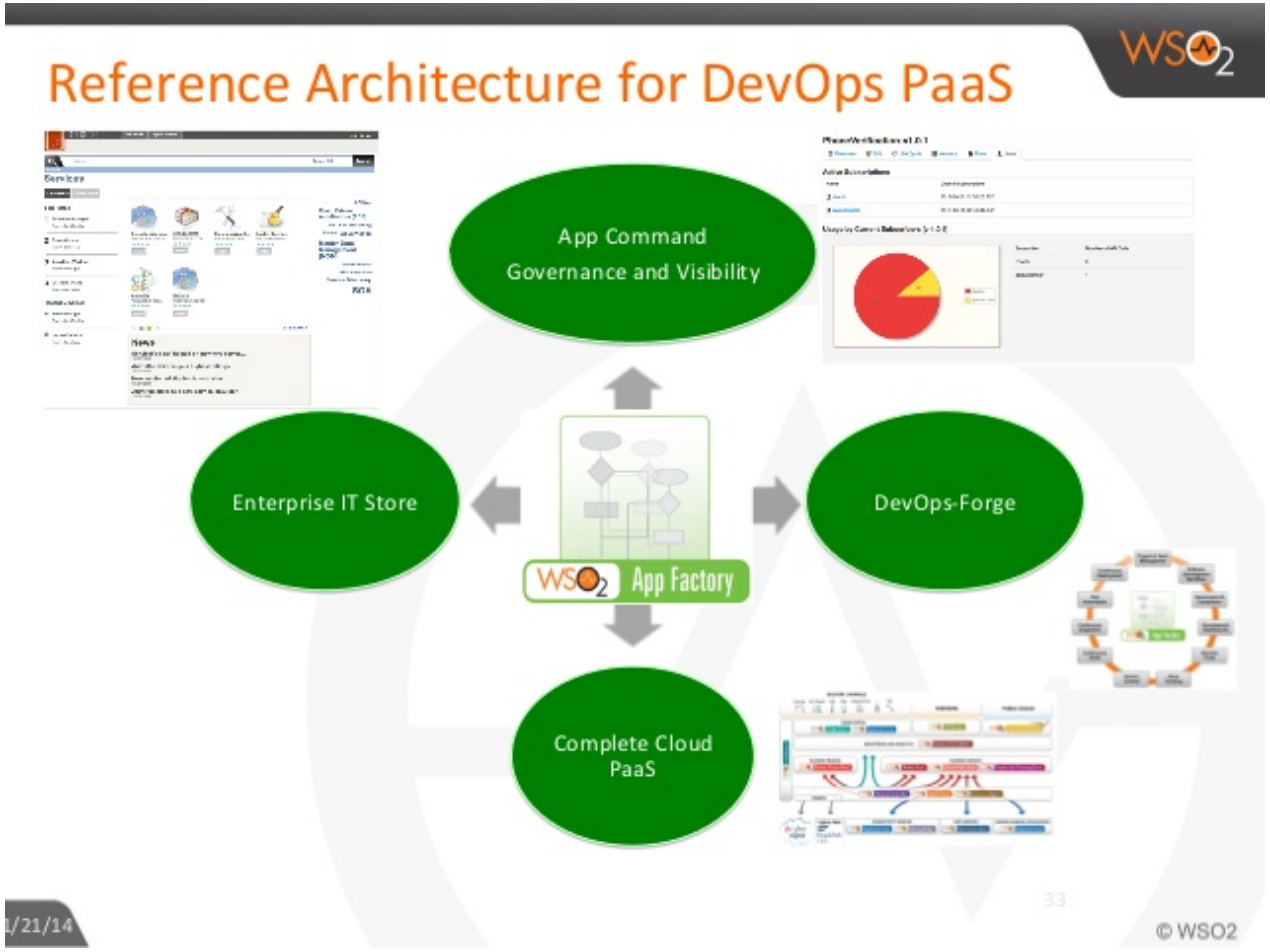

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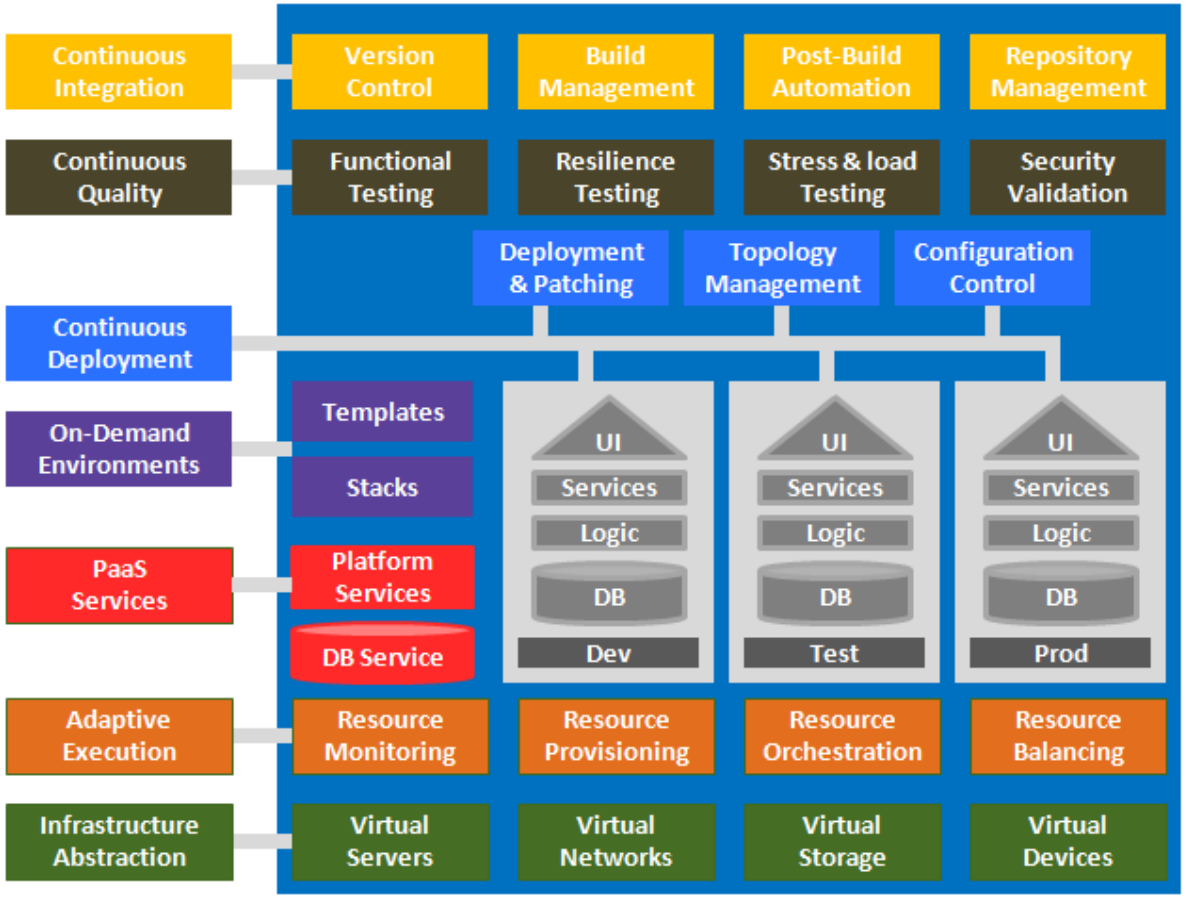

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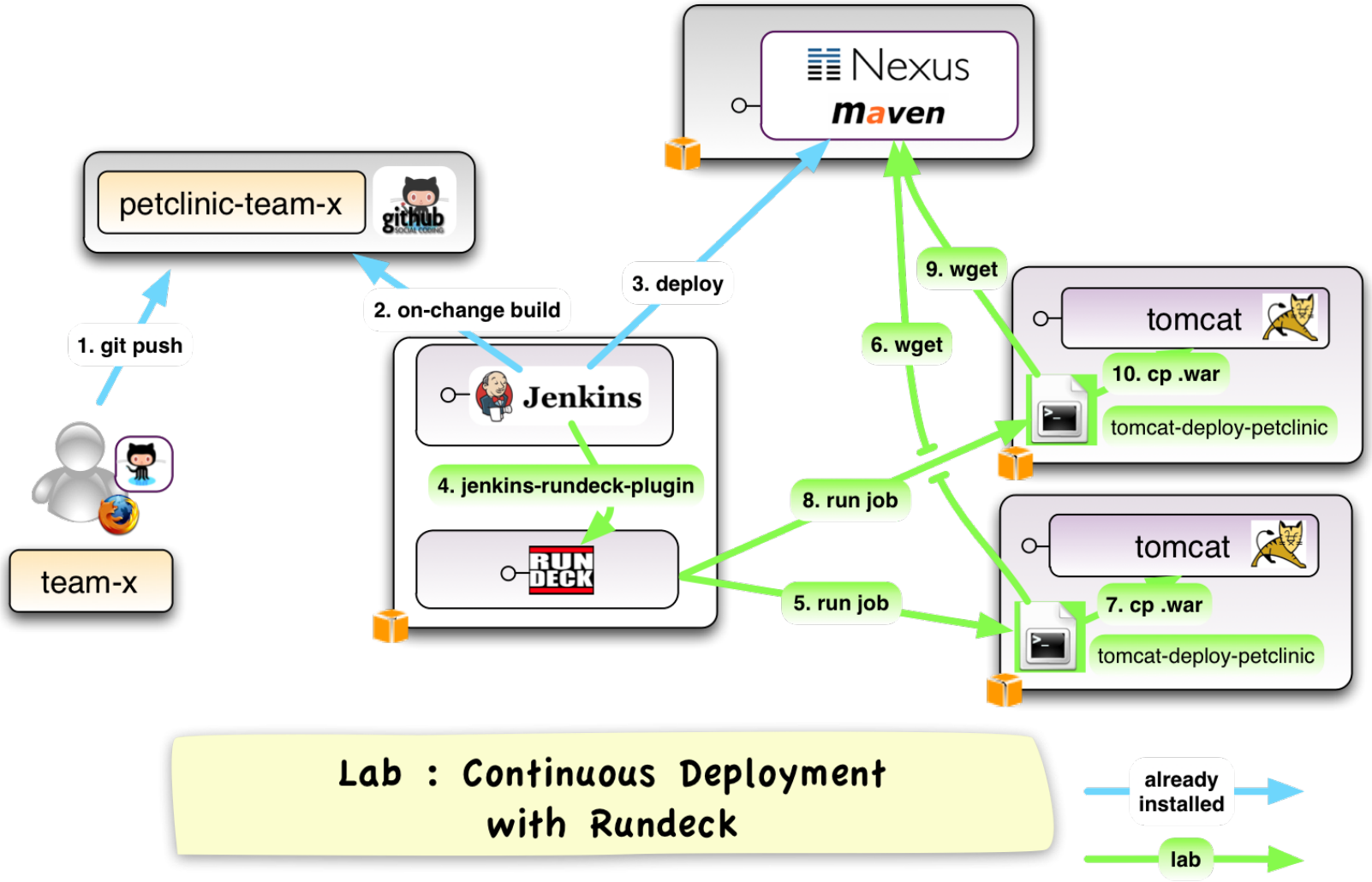

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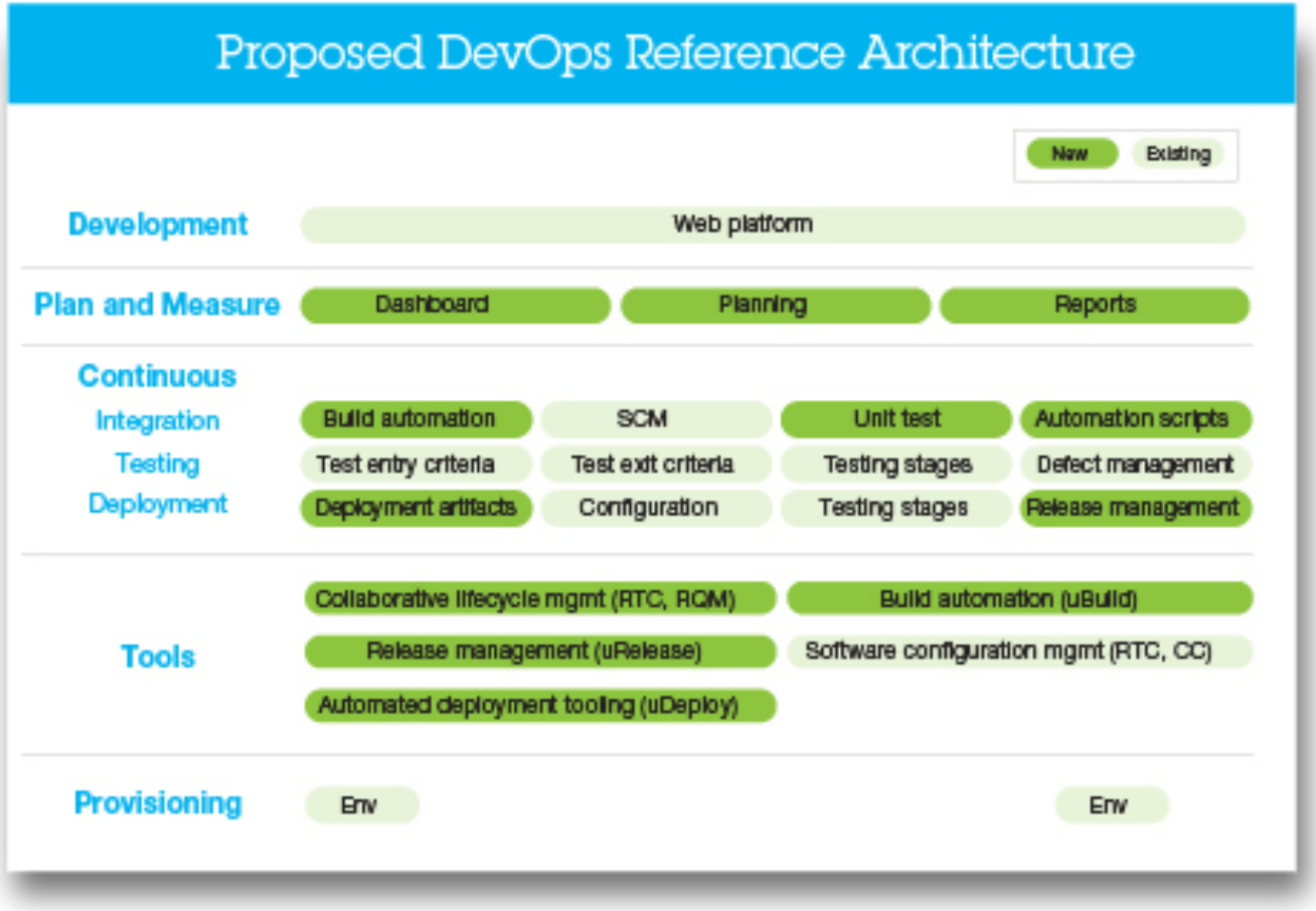

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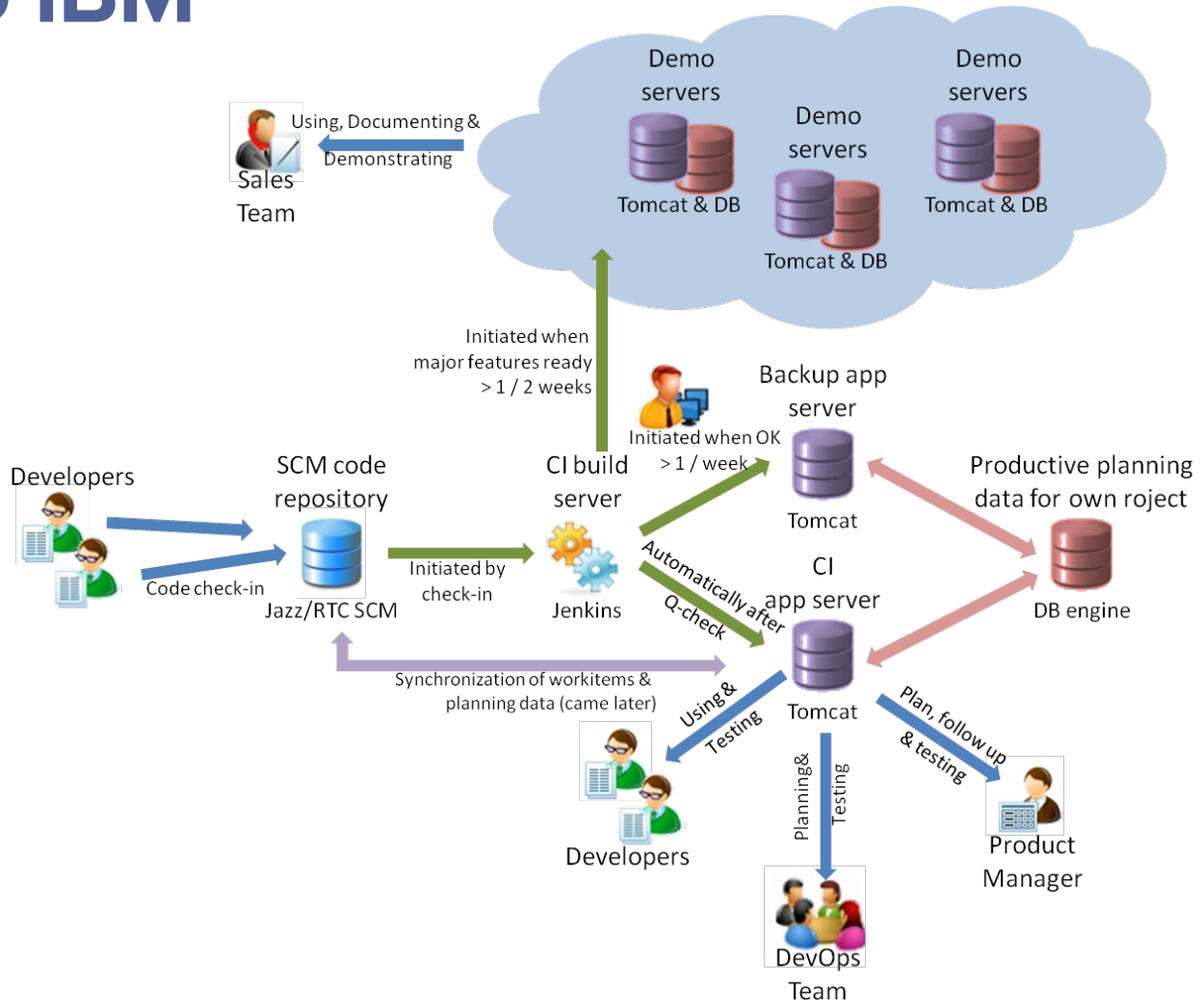

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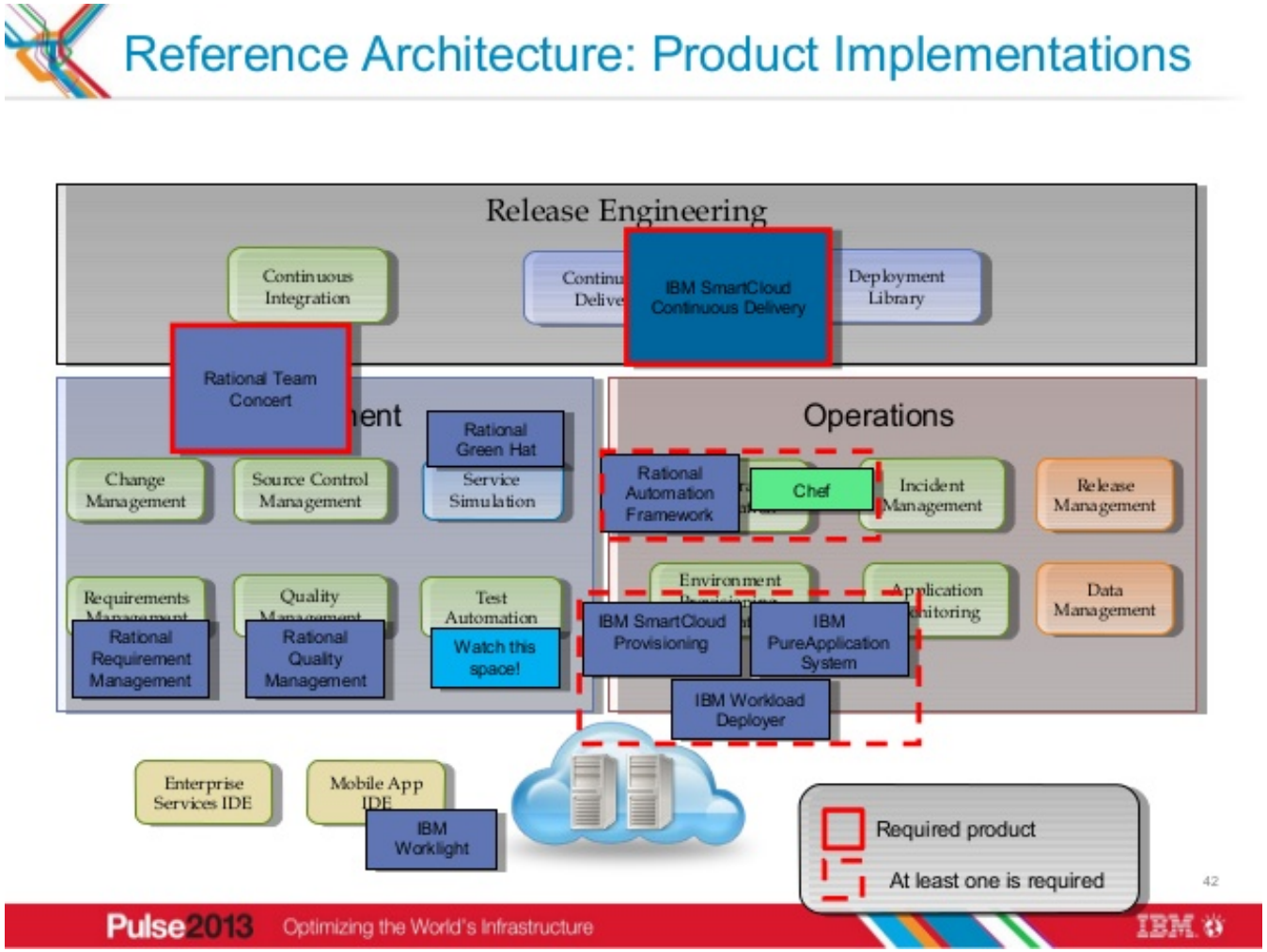

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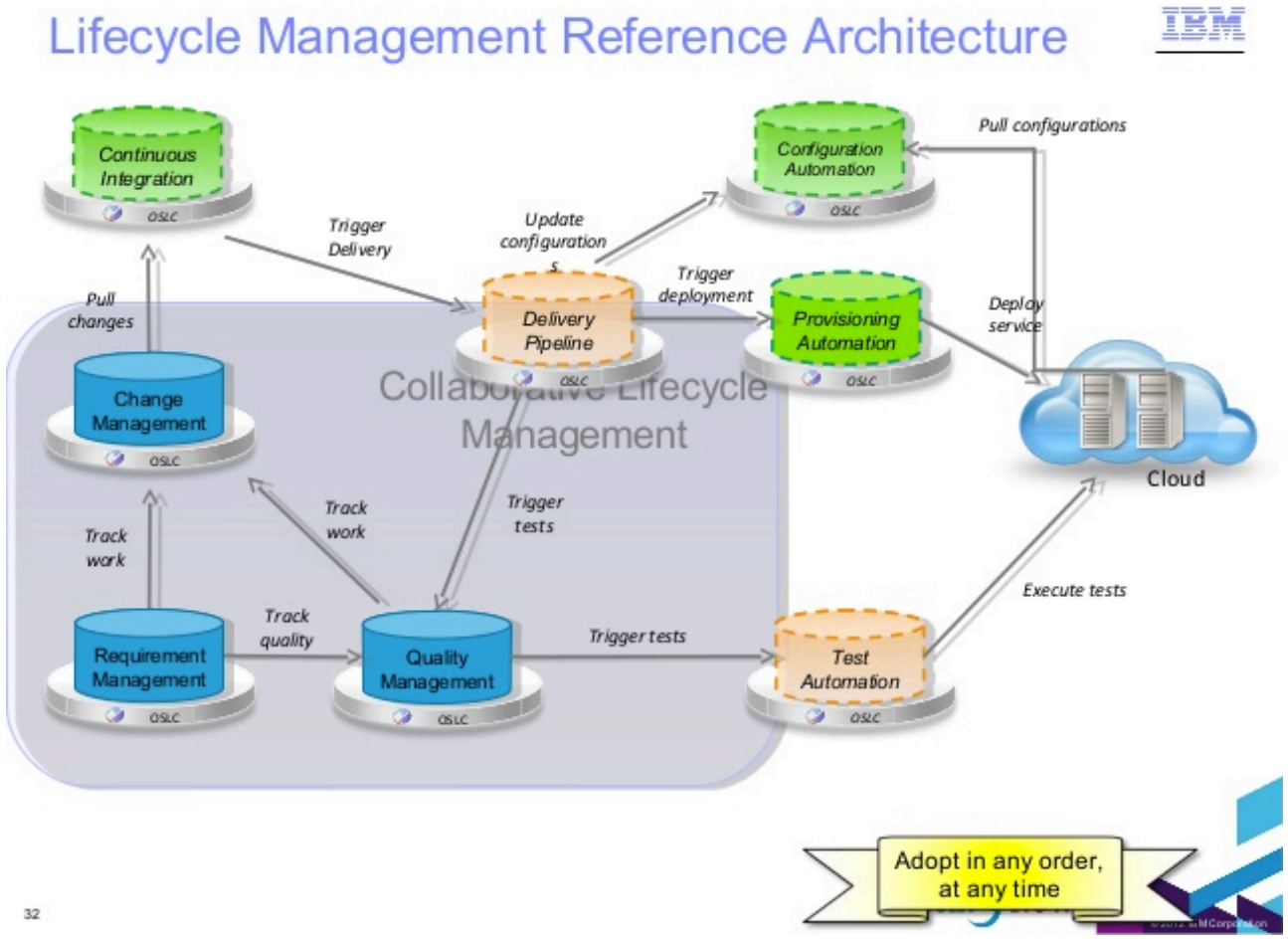

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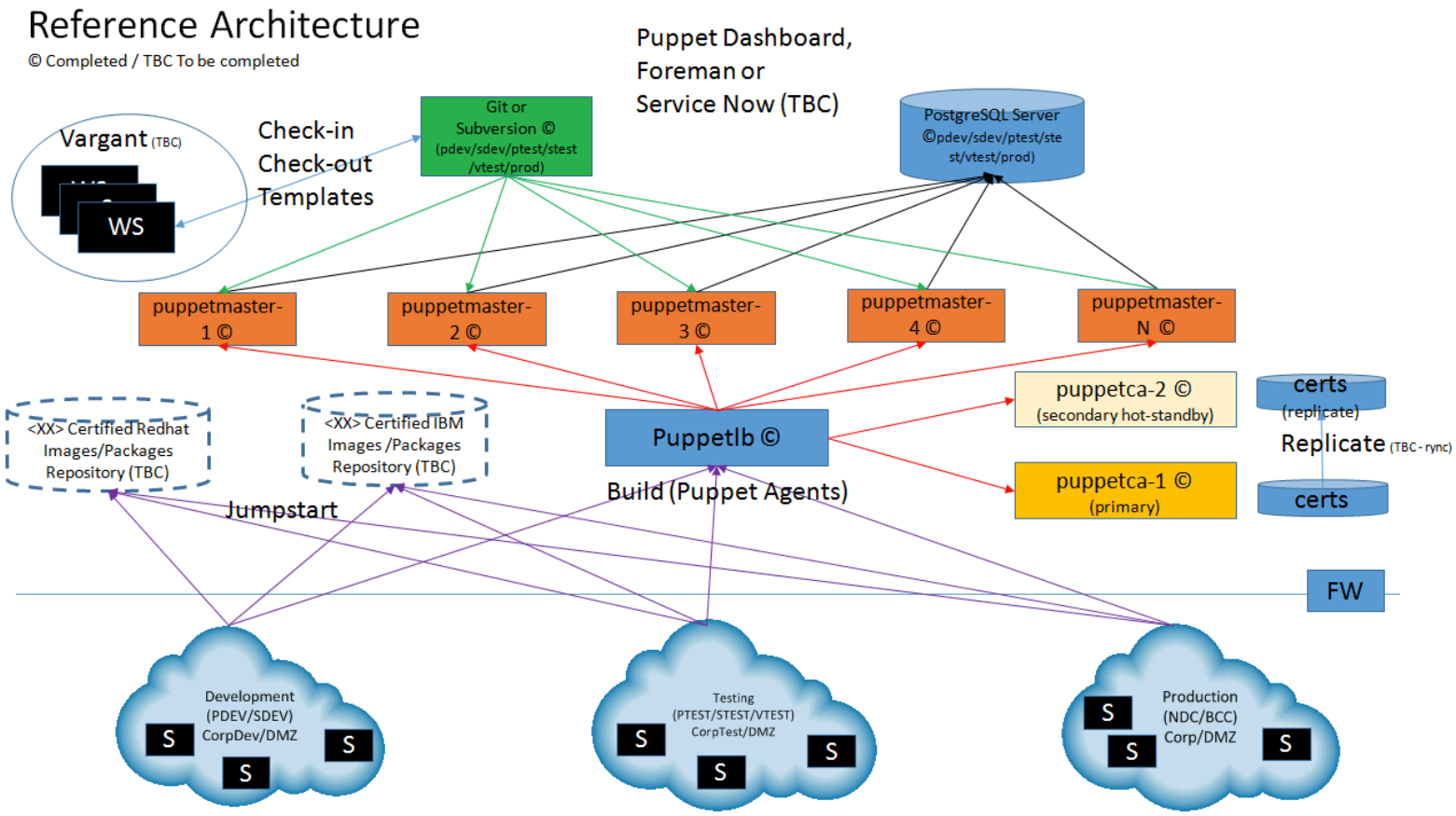

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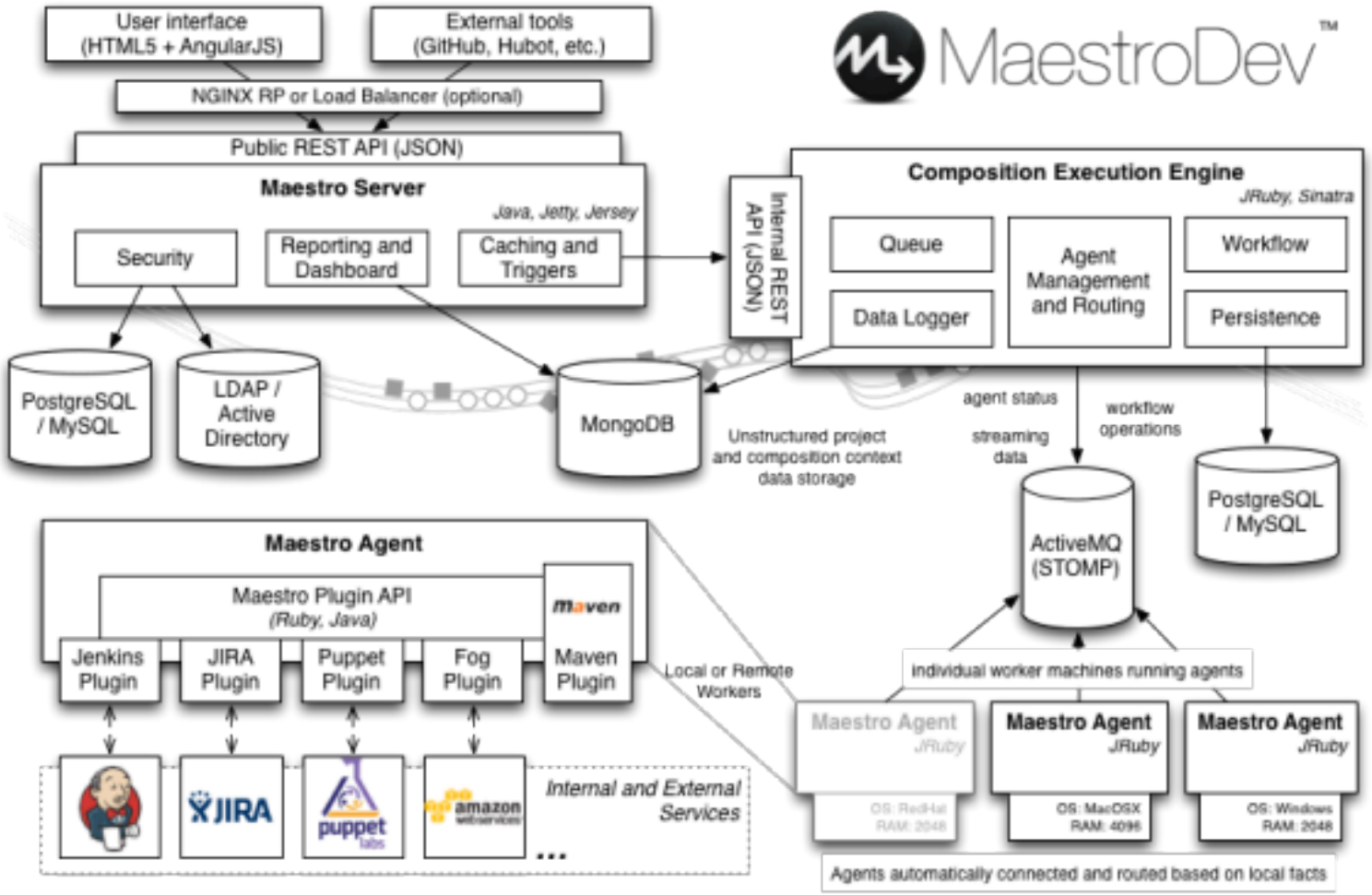

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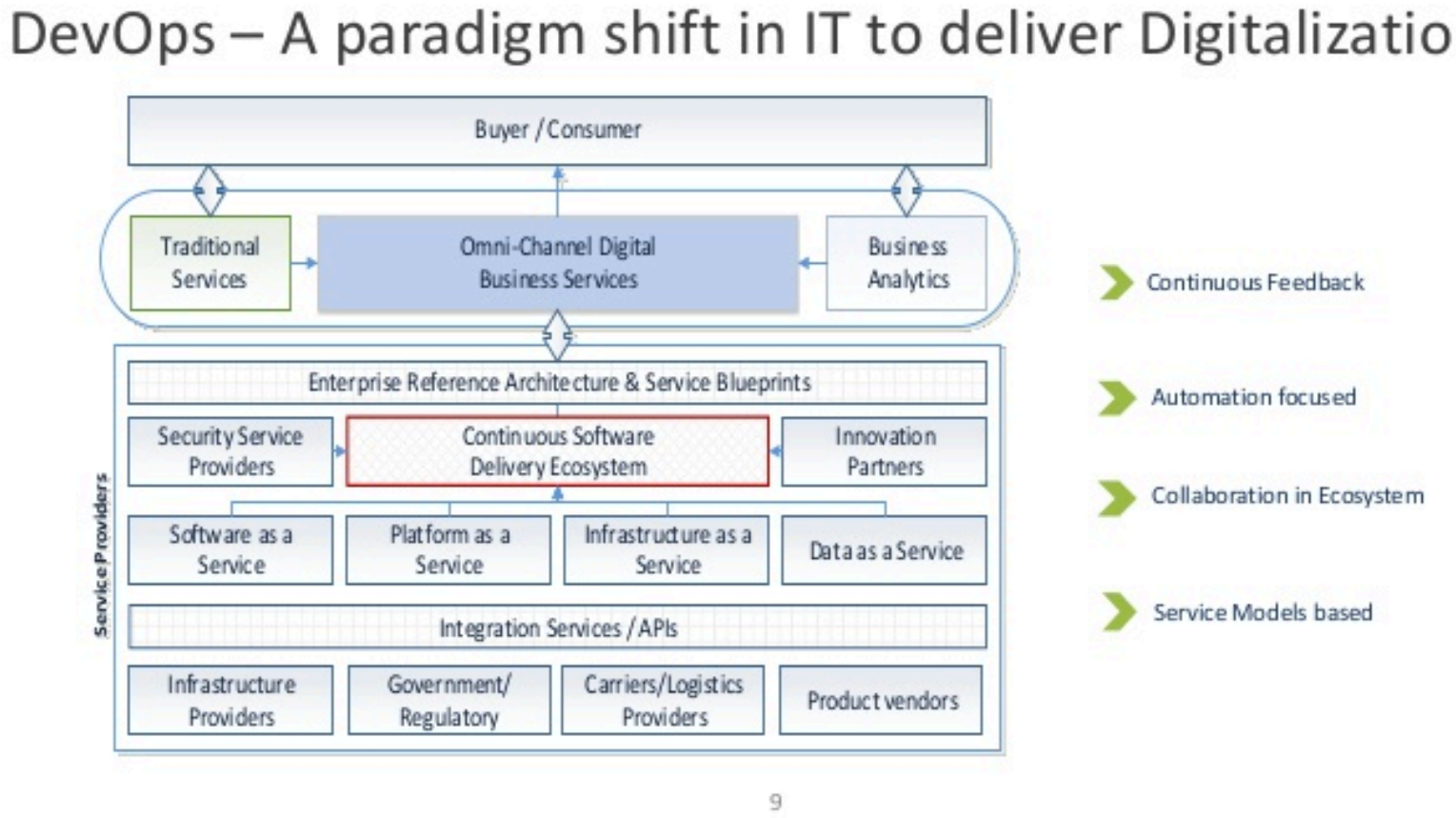

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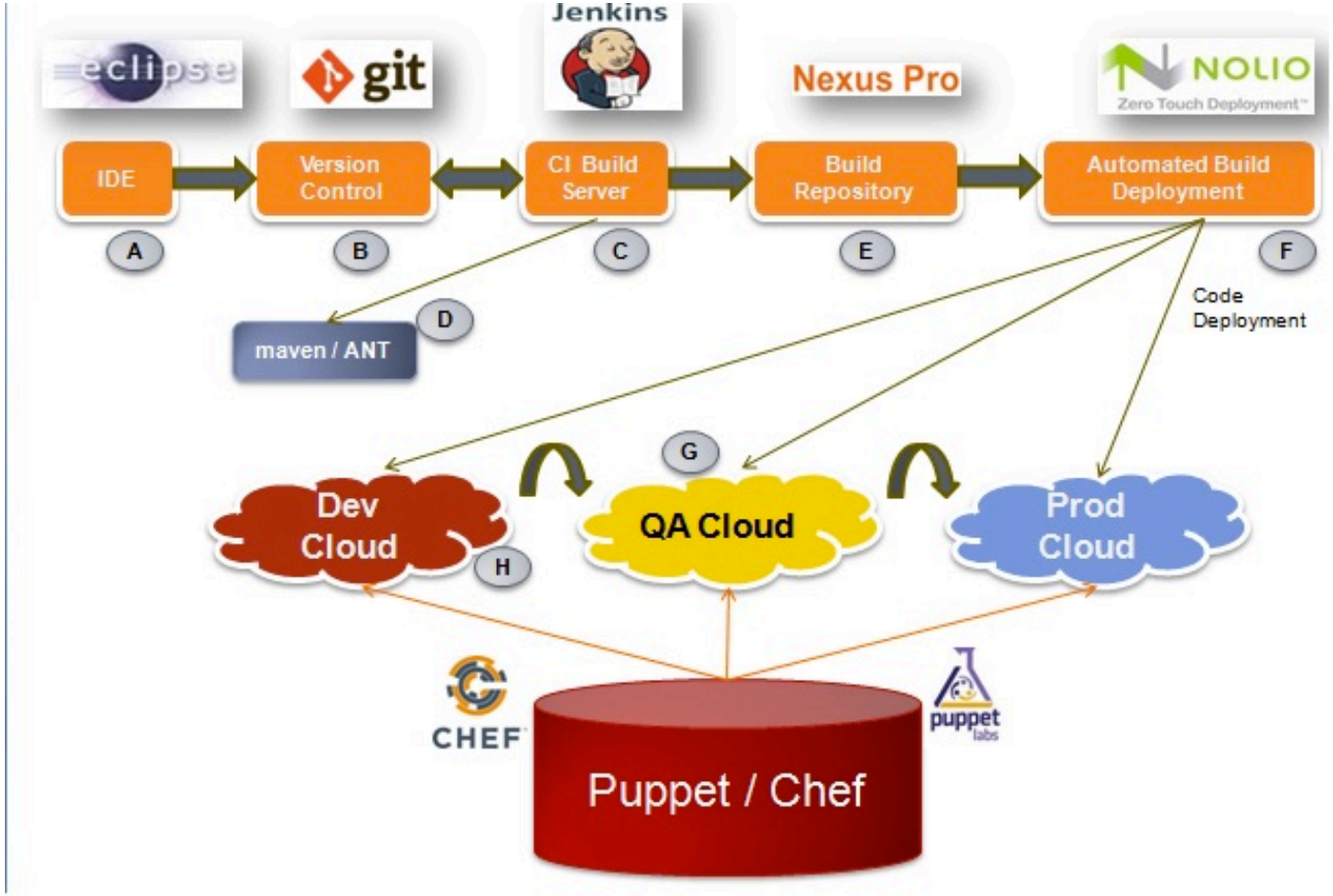

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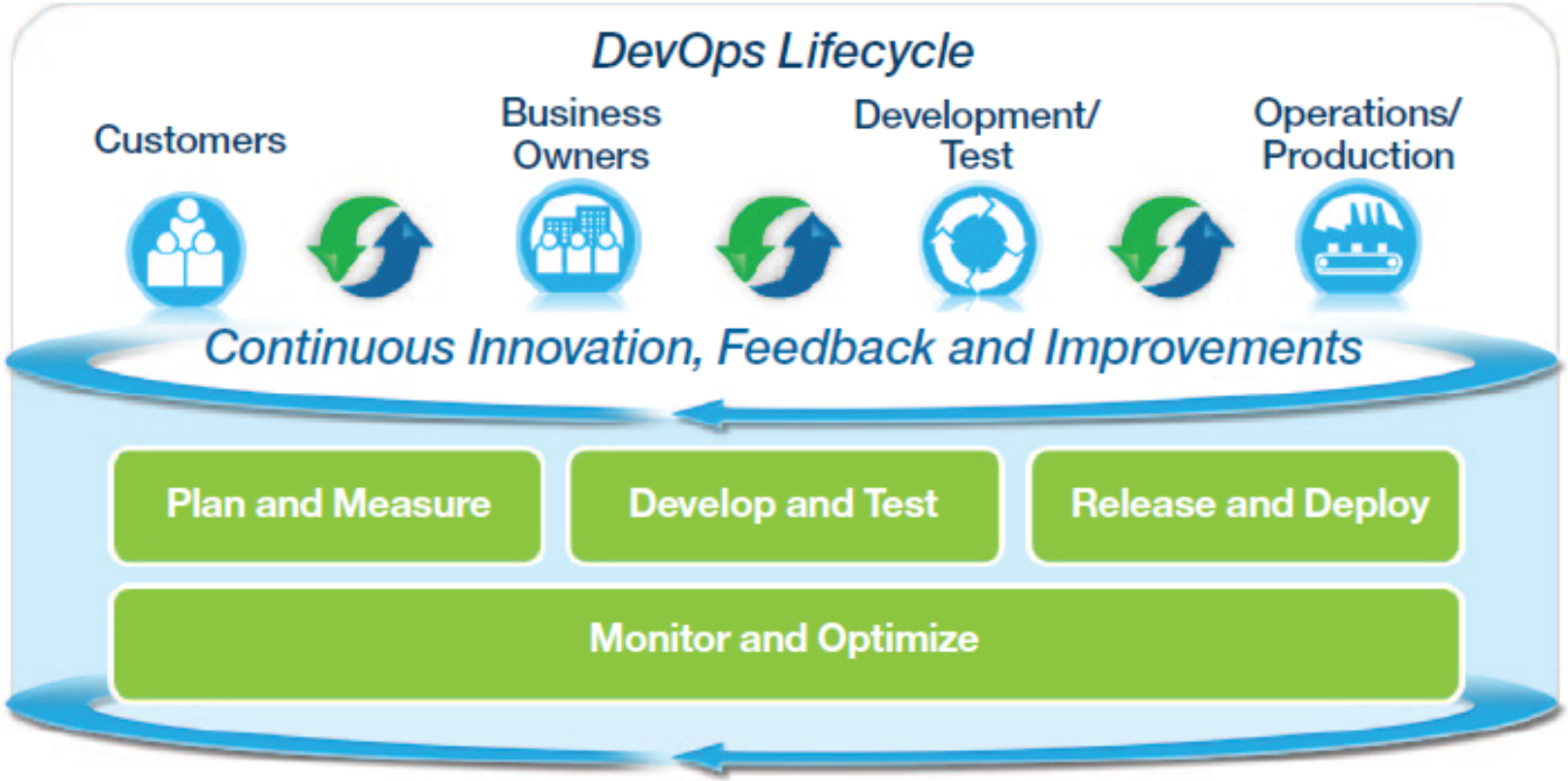
According to DevOps by Design

DEVOPS BY DESIGN



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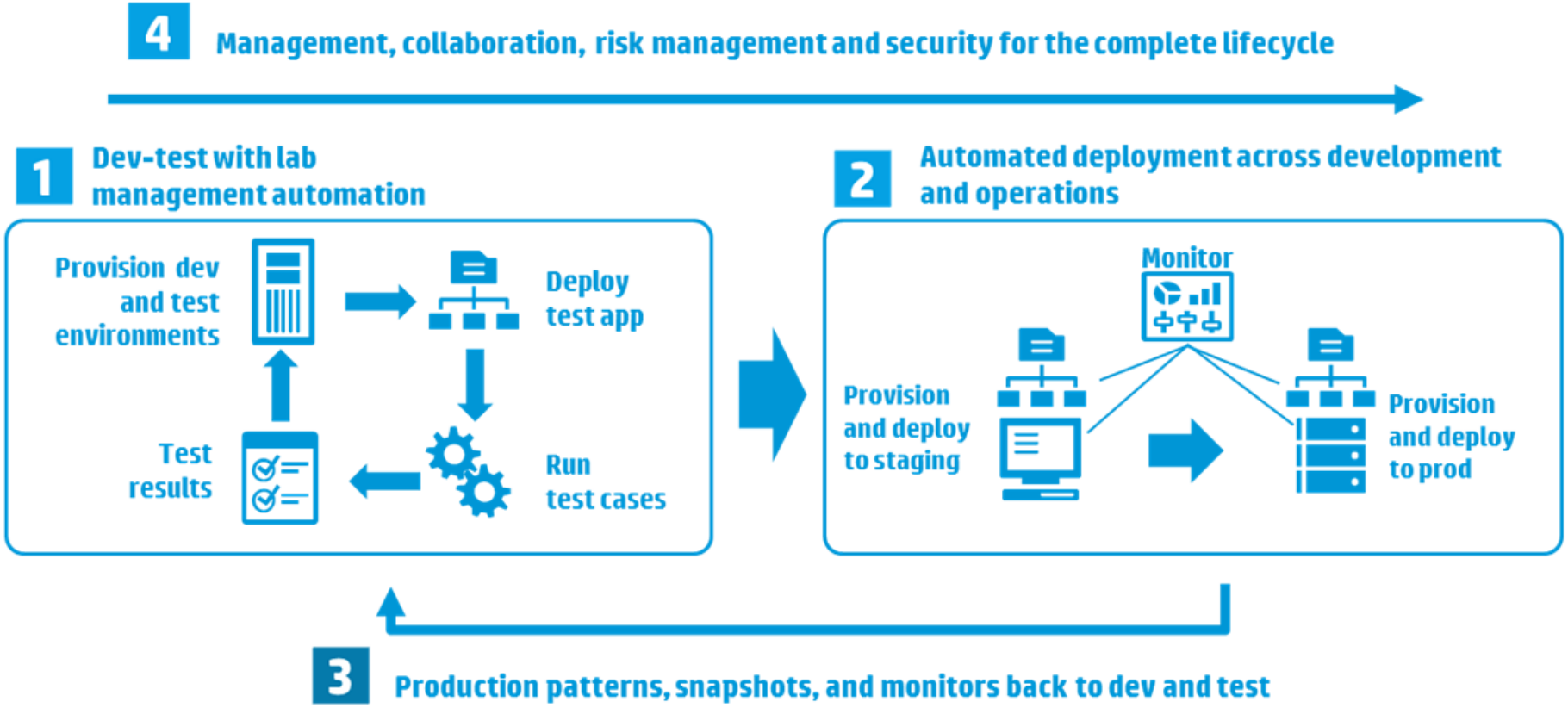

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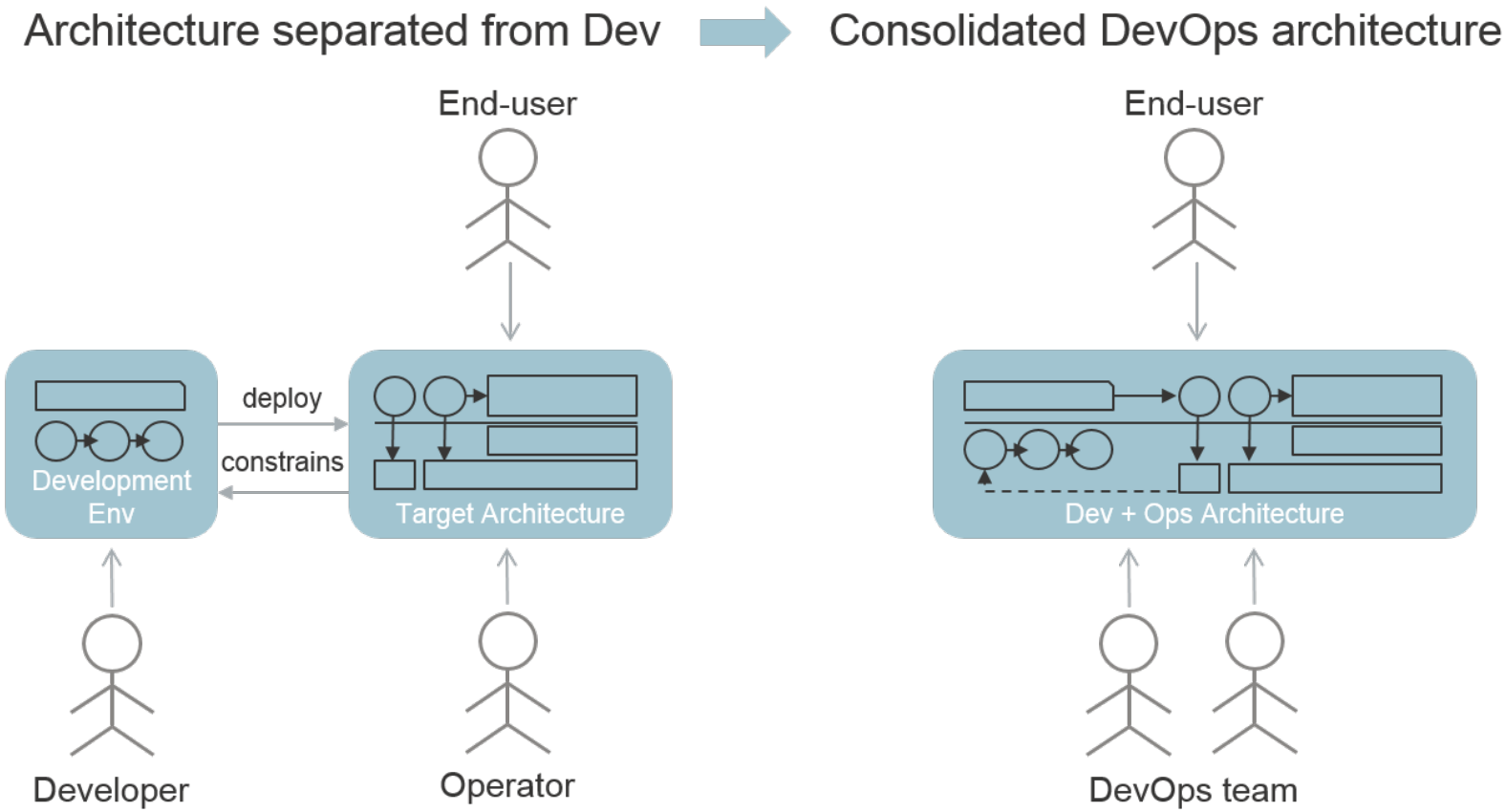

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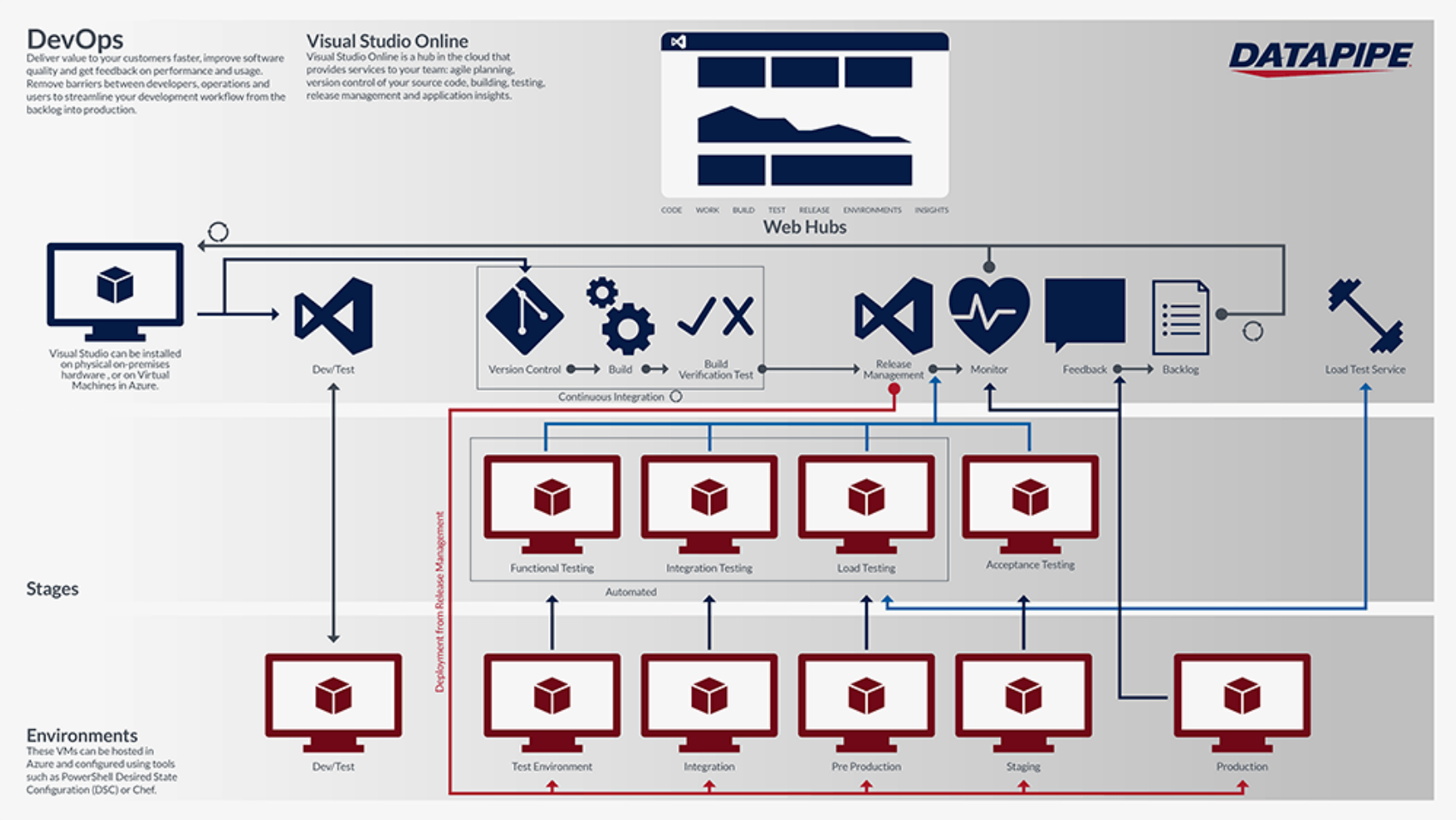

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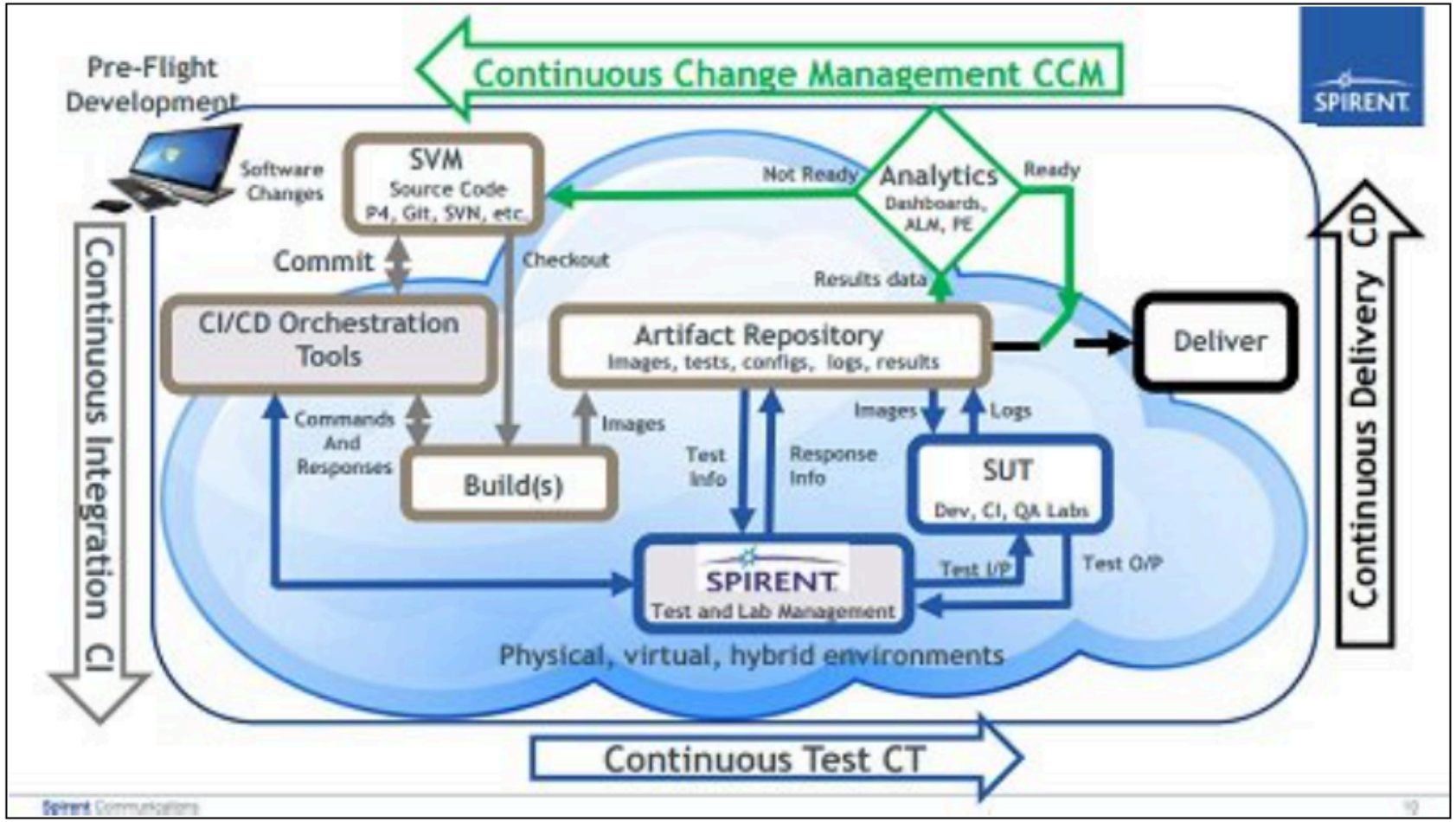

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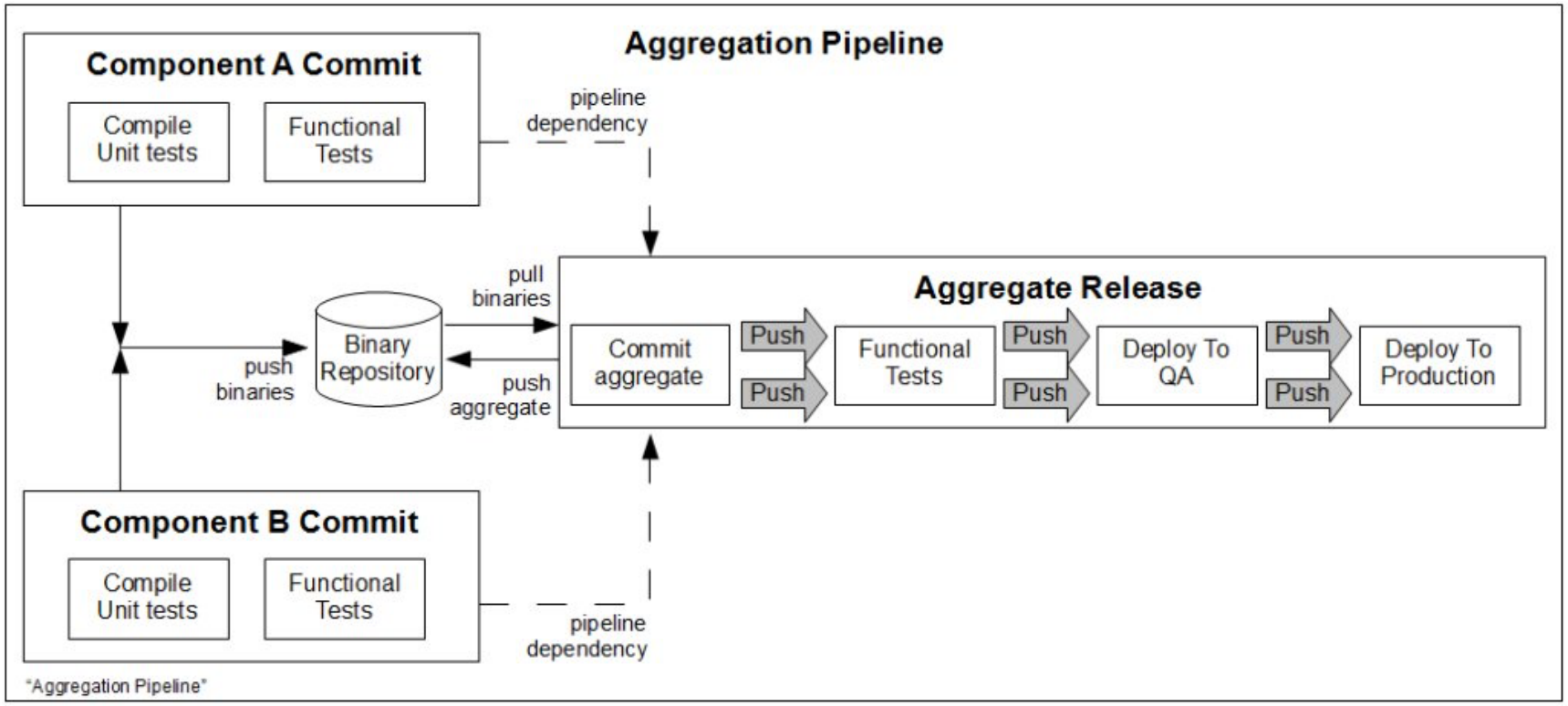

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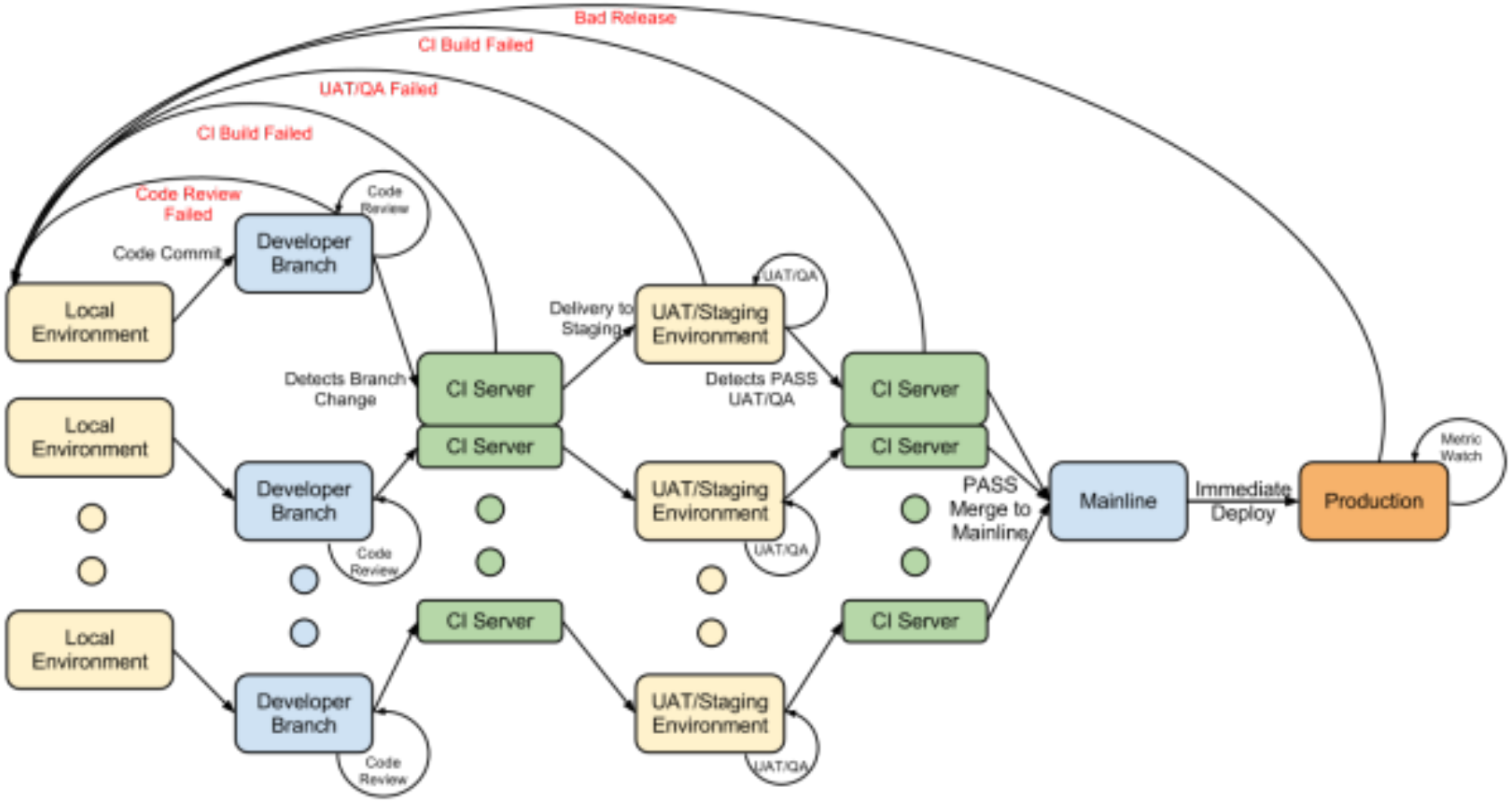

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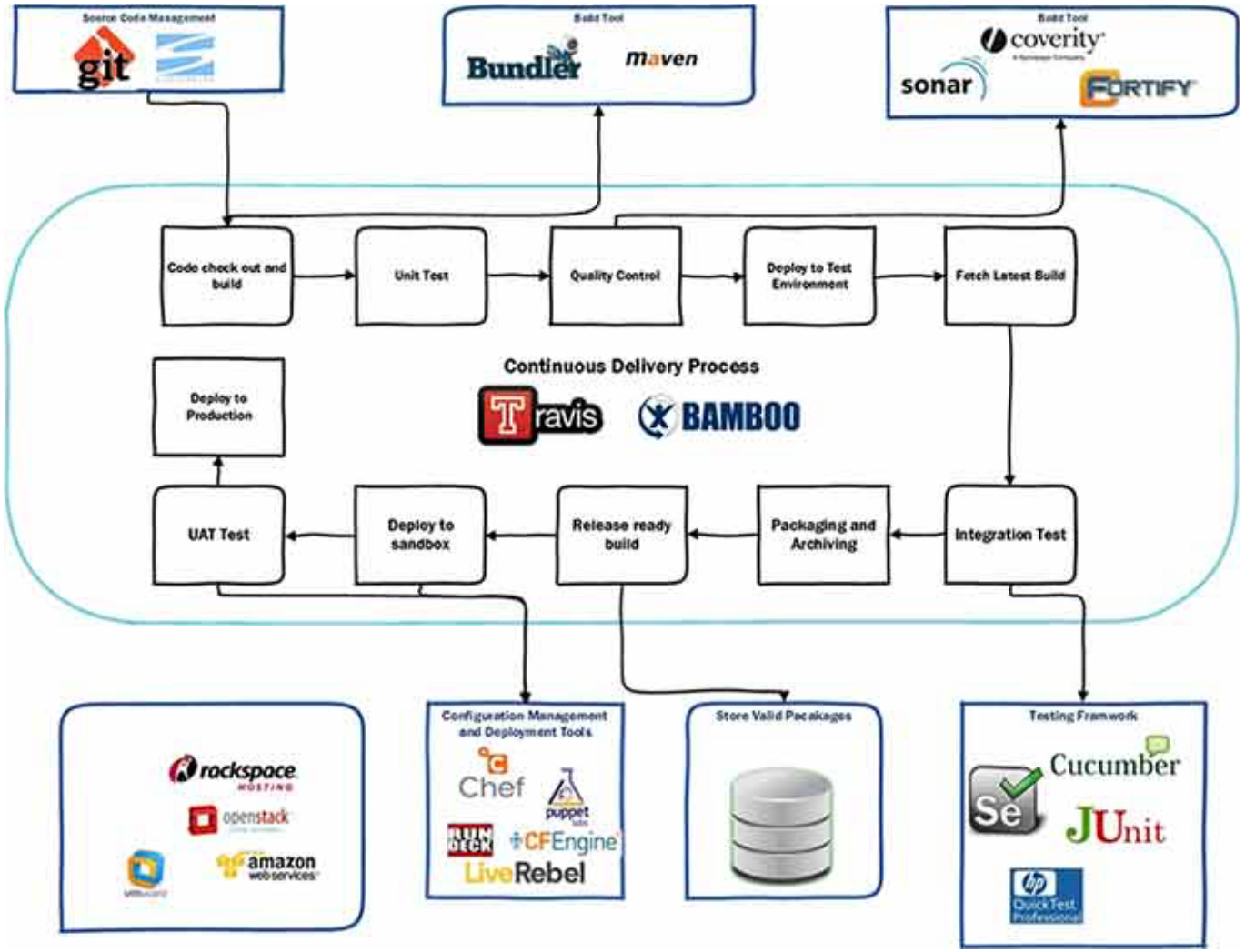

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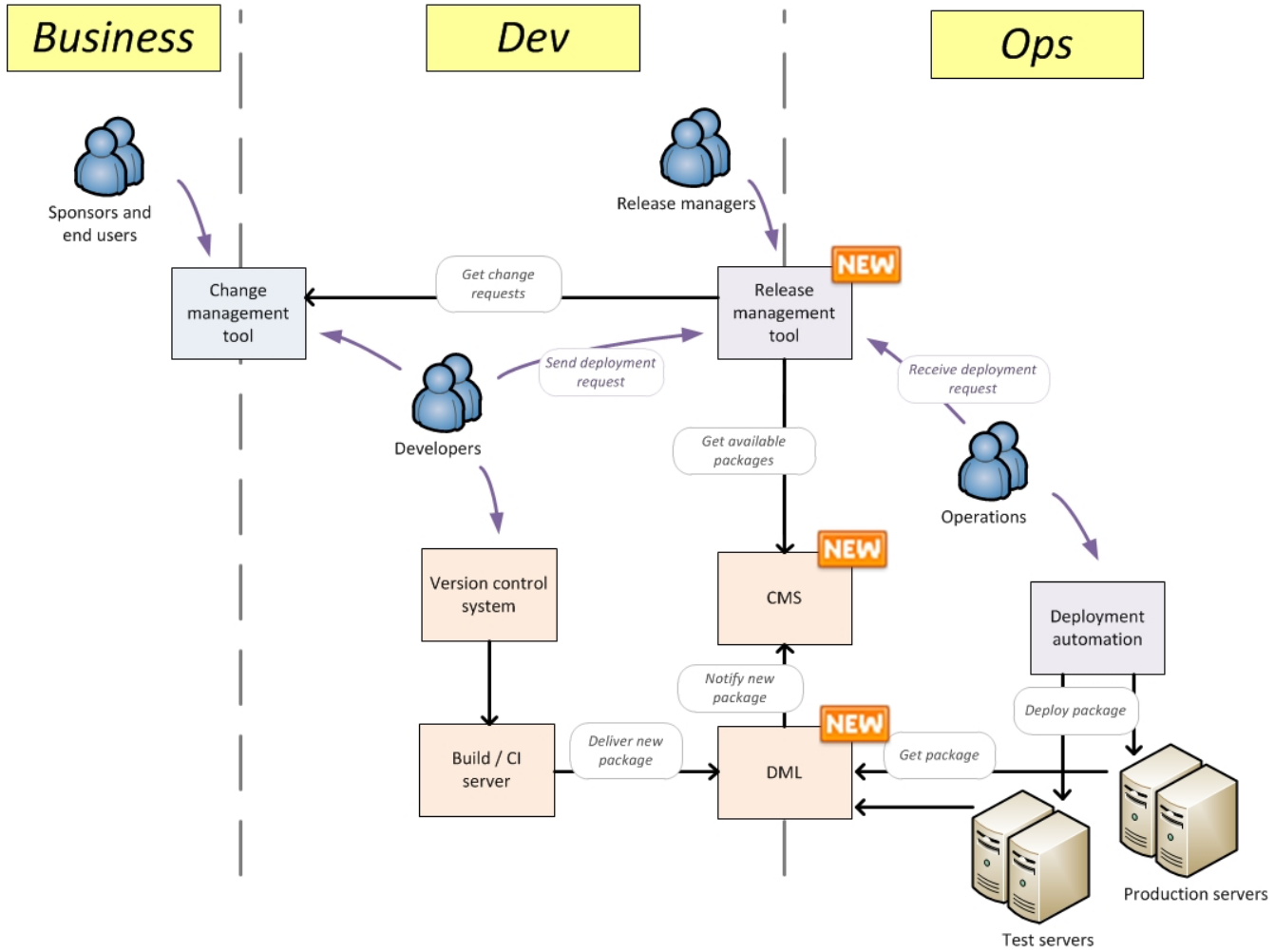

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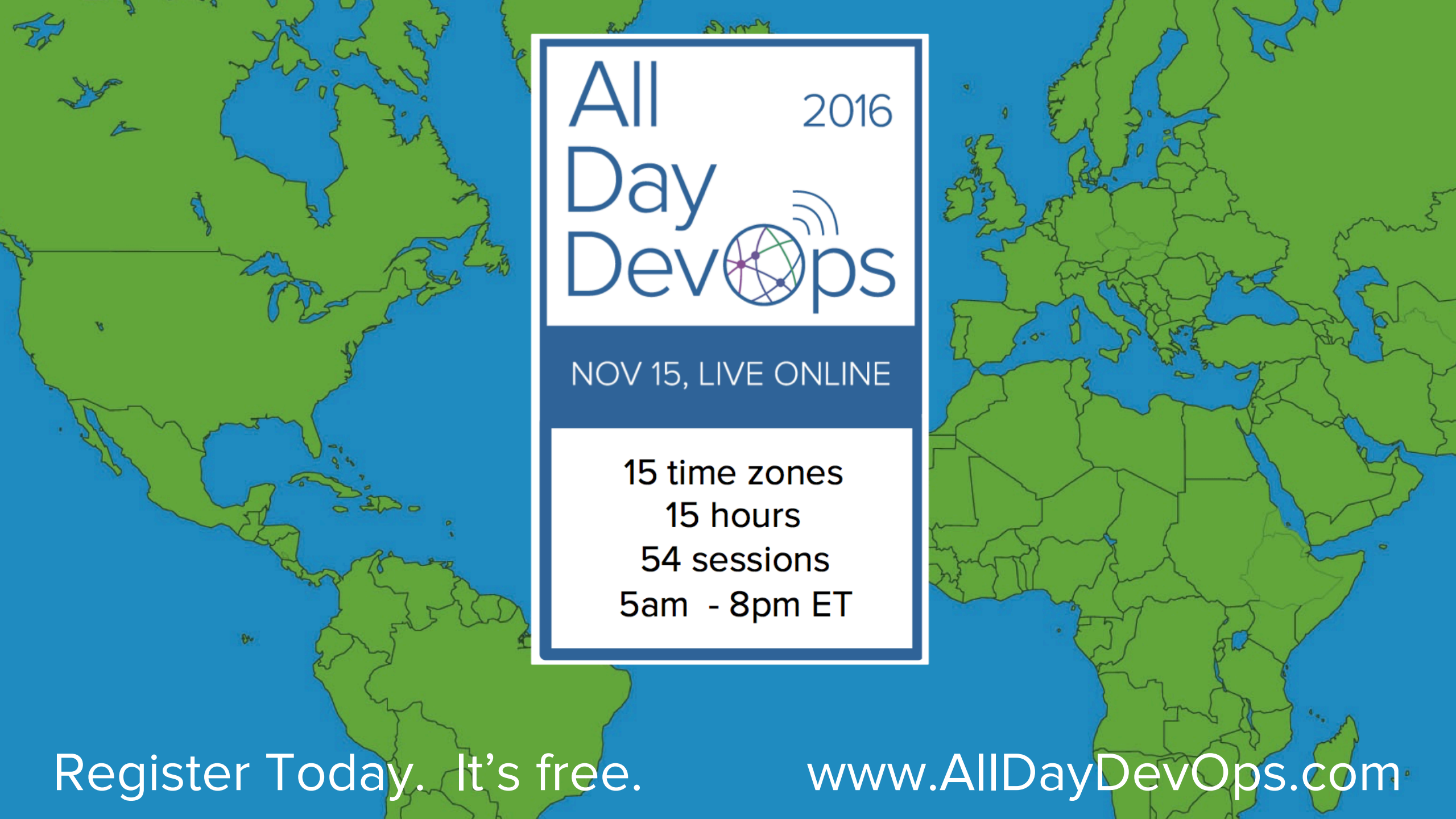
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