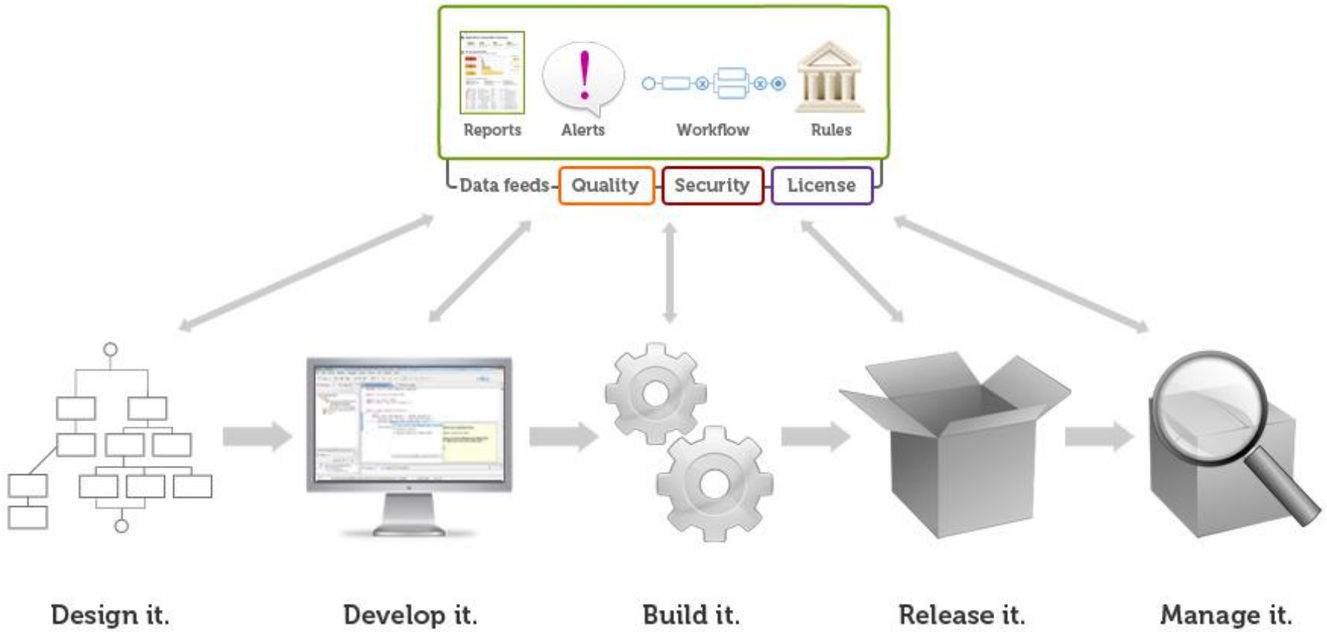
Managing Your Apache Maven Infrastructure with Nexus

Jason van Zyl

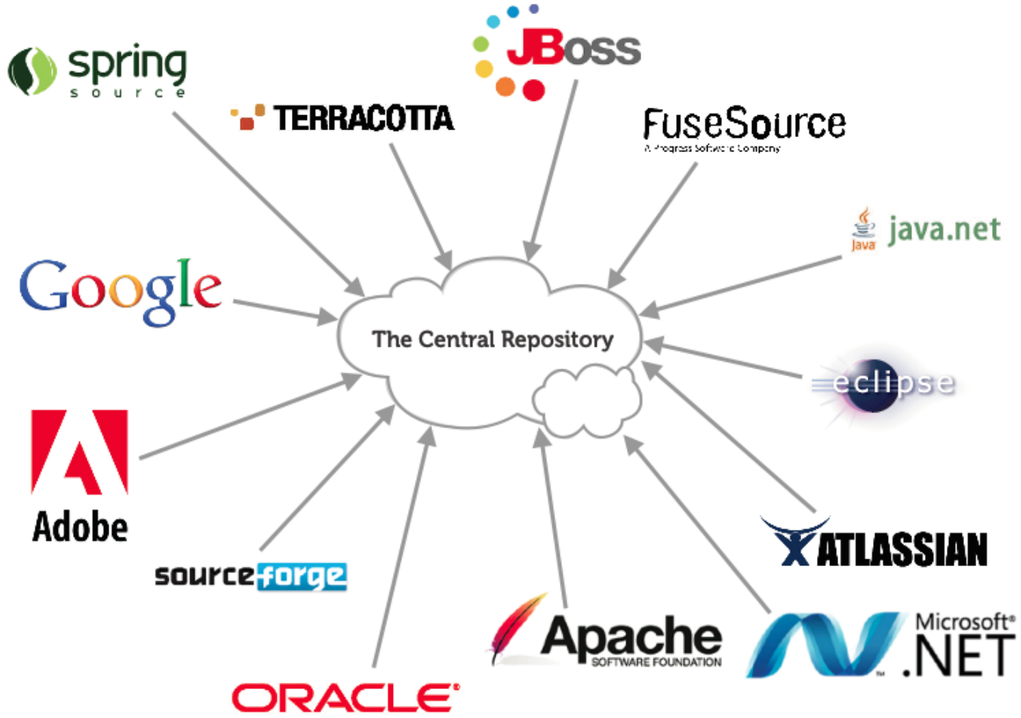
CamelOne - May 16, 2012

Sonatype

Information services and intelligent tools that enable comprehensive component lifecycle management.



At The Center Of The Component Ecosystem

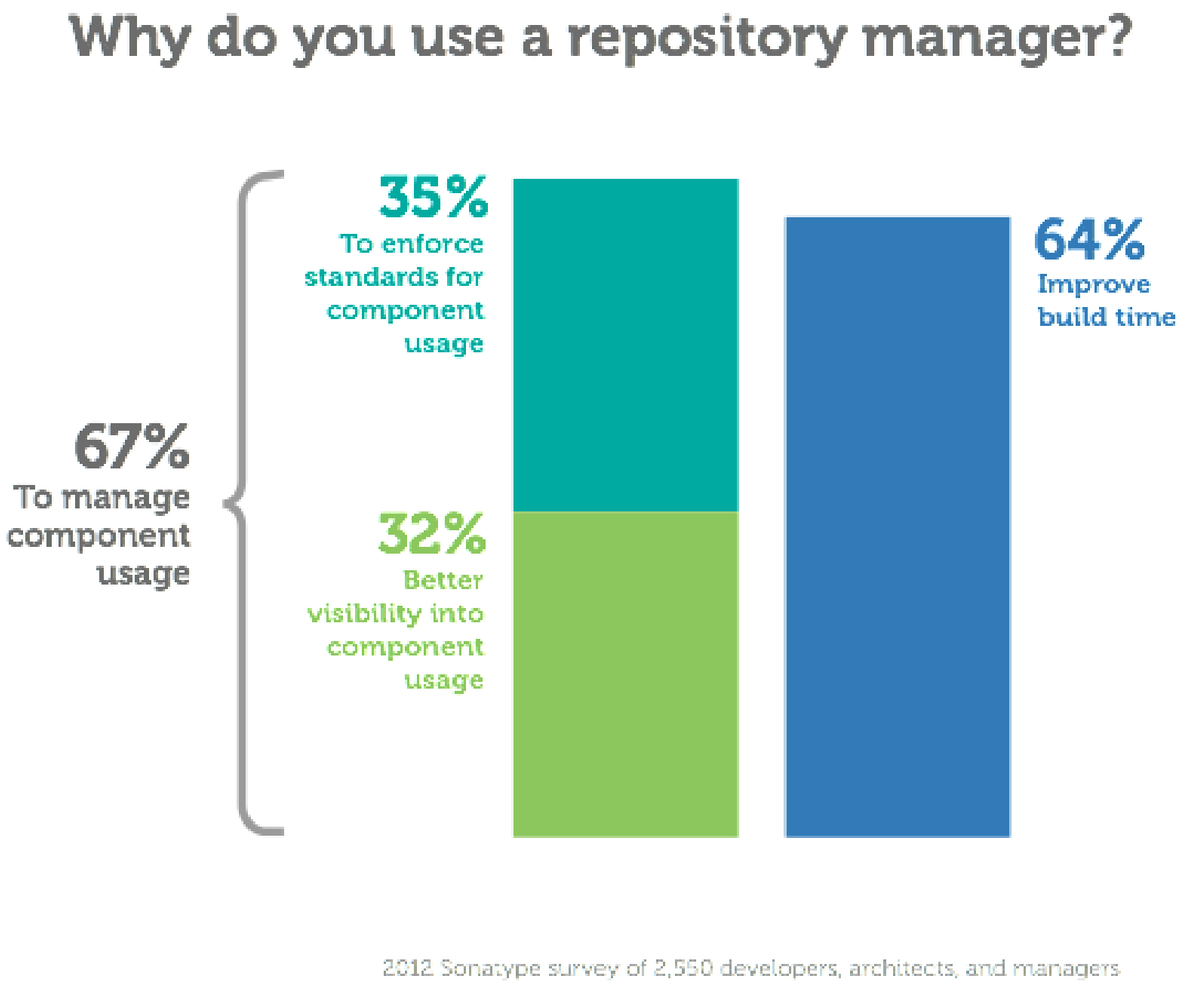


- More than 40k projects, 300,000 components, 200 million classes
- 60,000 organizations per month
- Demand more than doubling every two years
- Demand is under-reported due to the growing use of repositories

- Who’s using Repository Managers and Why?
- How software development has changed: Assembly vs Fabrication and why Repository Managers are necessary
- Nexus 2.0 Feature Discussion
- Nexus & Devops
- Nexus & Software Delivery

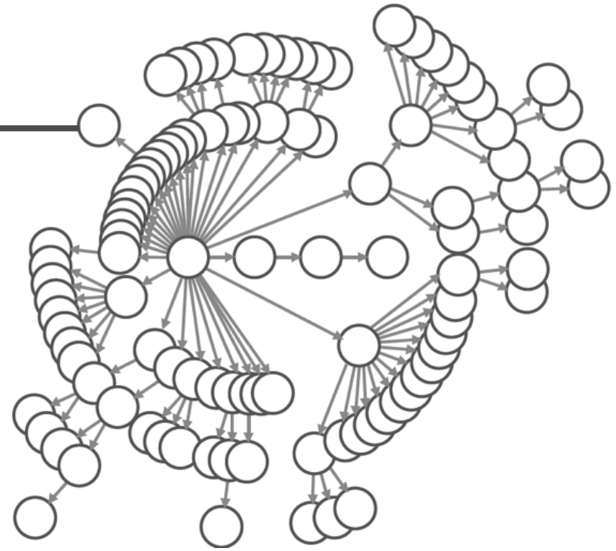
Are you using a Repository Manager?

Why Do You Use A Repository Manager?



- Faster more reliable builds
- Improved collaboration
- Component usage visibility
- Enforce components standards
- Controlled sharing with partners

How Software Development has Changed: Fabrication vs Assembly



Ever Increasing Open Source Usage

4 billion requests annually

Who is accessing the Central Repository?

More than **42,000** organizations per month
800,000 unique IP addresses per month
More than half of the **Global 2000**
9 of the 10 largest financial services firms

By 2016, OSS will be included in **mission-critical software** portfolios within **99%** of **Global 2000** enterprises, up from **75% in 2010.**

Gartner

Predicts 2011:
Open Source the Power Behind the Throne
November 2010

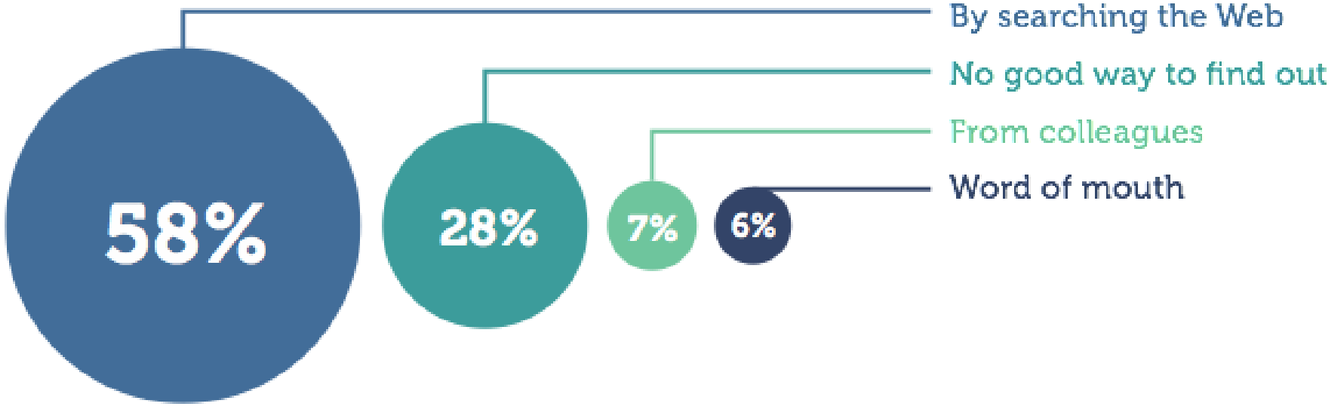
Understanding your Component Lifecycle: What am I using and when does it change?

12,389 Artifacts in Maven Central were updated in 2011

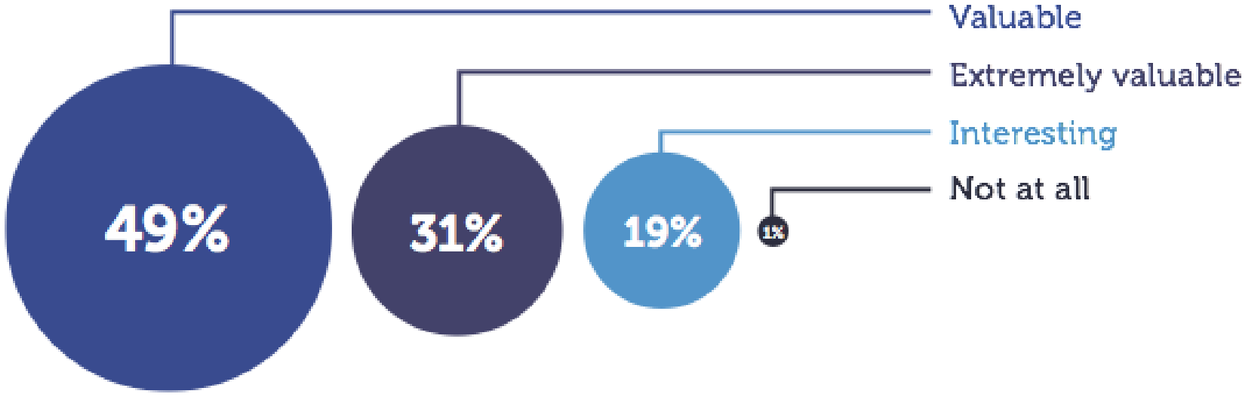
63% were updated 2 or more times

30% were updated 4 or more times

When an artifact changes, how do you know?



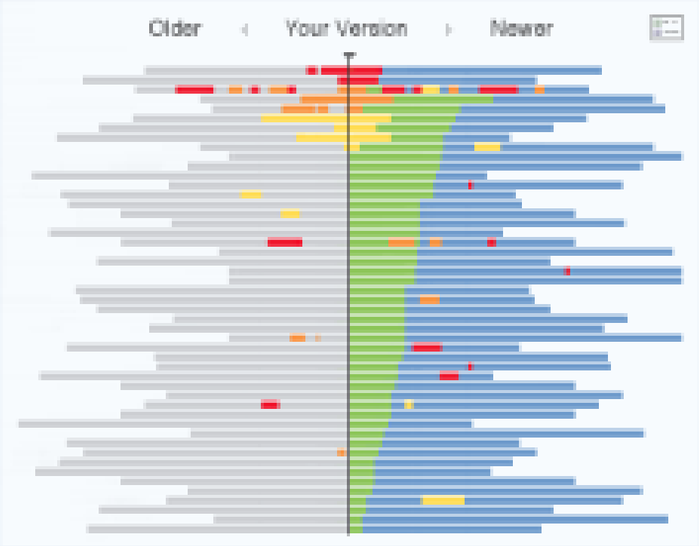
Would you like immediate notification of changes?



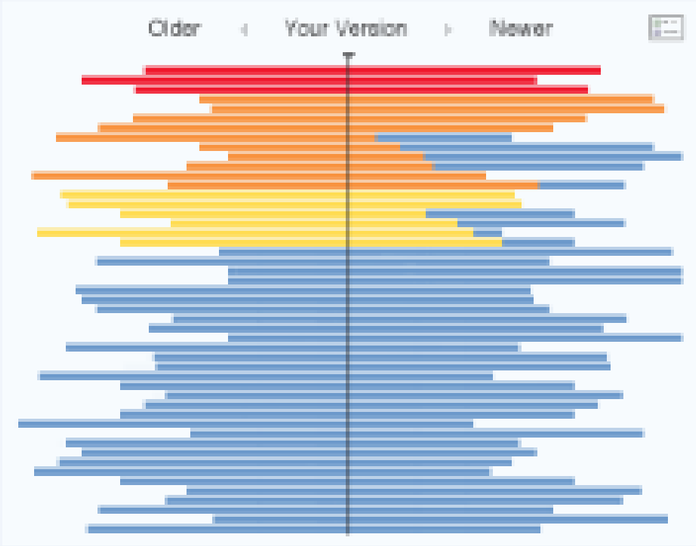
Update Awareness as part of CLM

Update Analysis

Potential updates to resolve security issues:

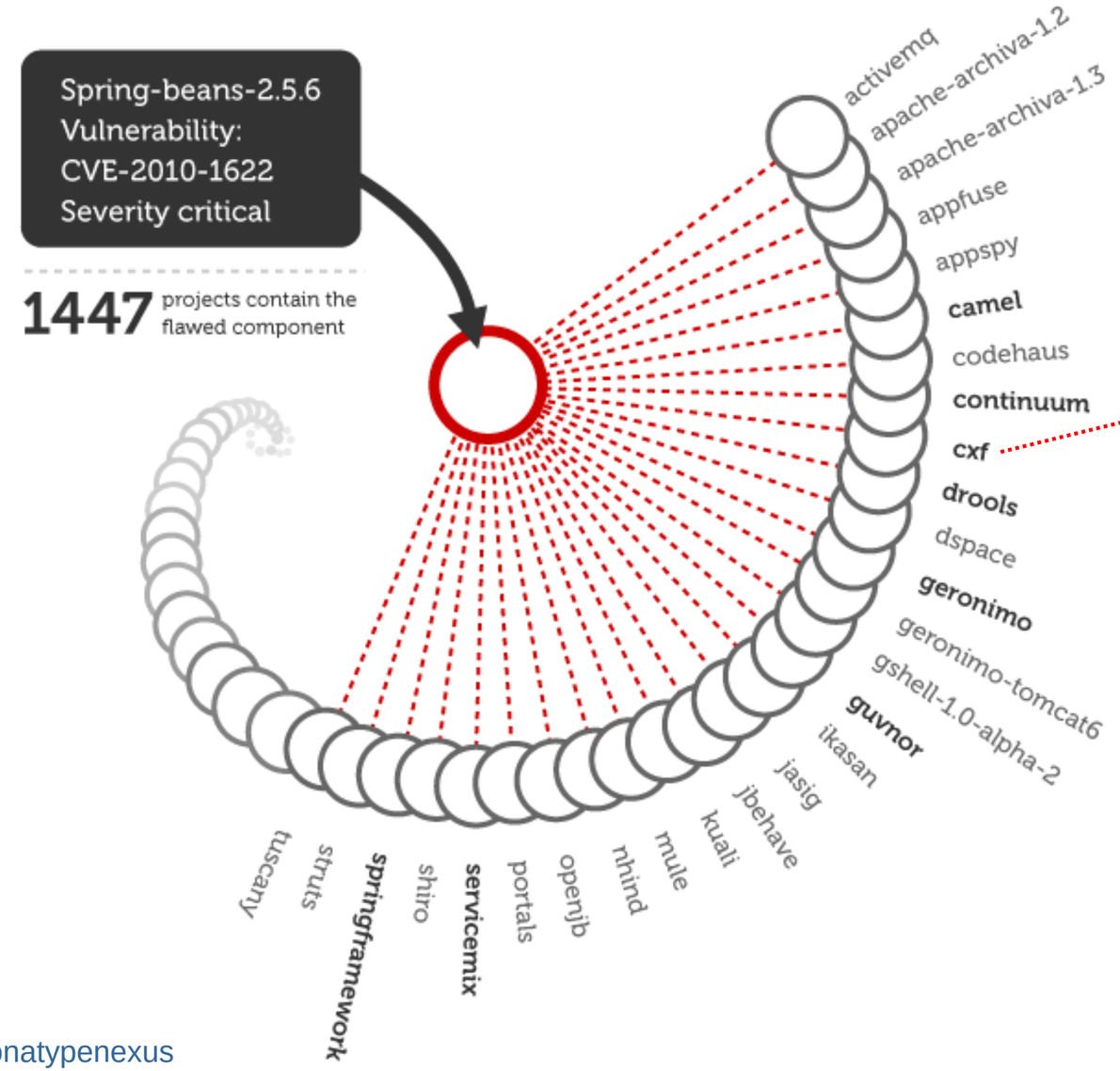


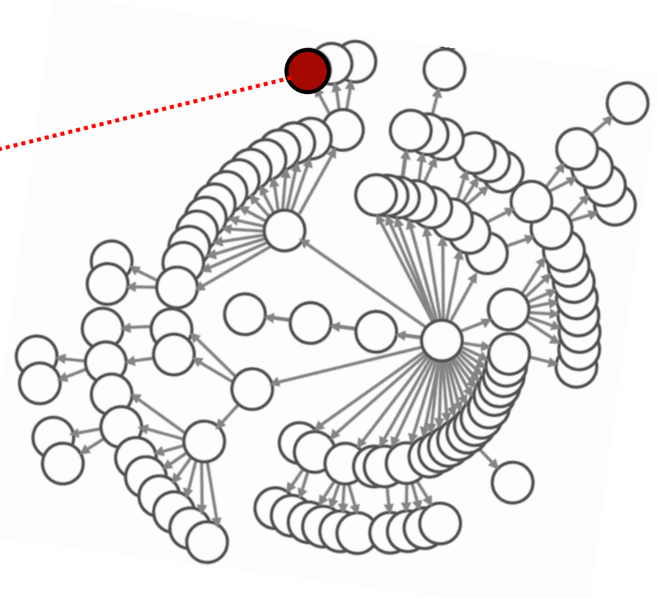
Potential updates to resolve license issues:



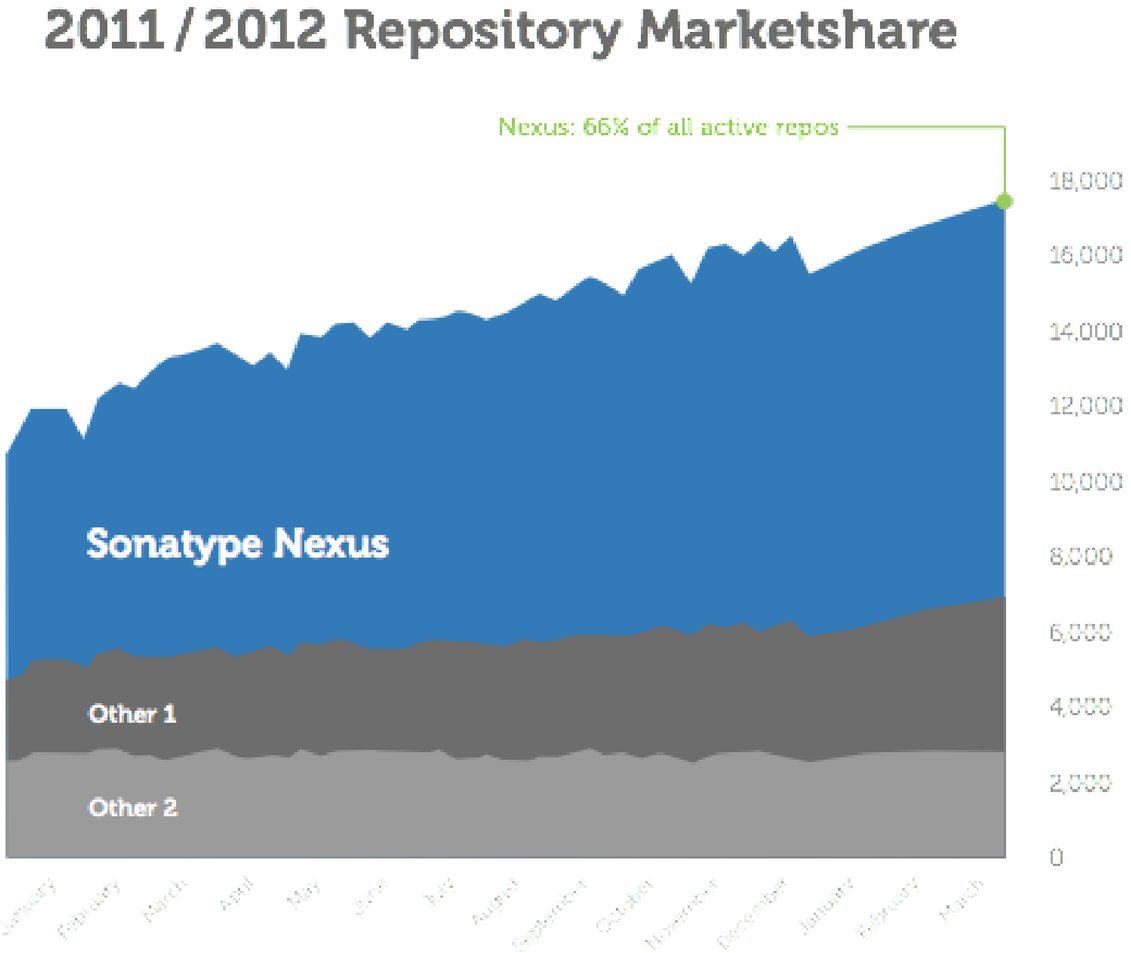
Distance behind most popular version:

Issues are Viral...





...the Fixes are NOT

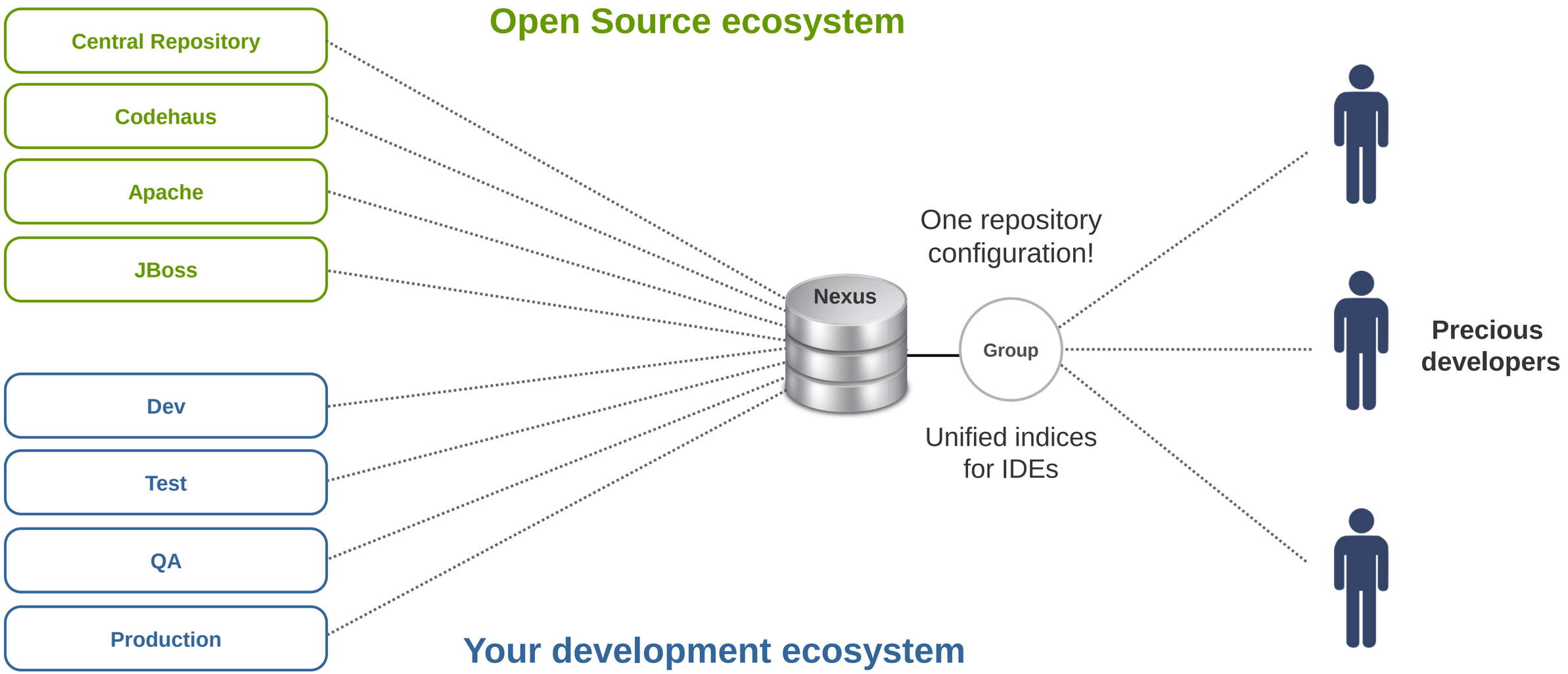


66% of all active repositories were **Nexus** by March of 2012

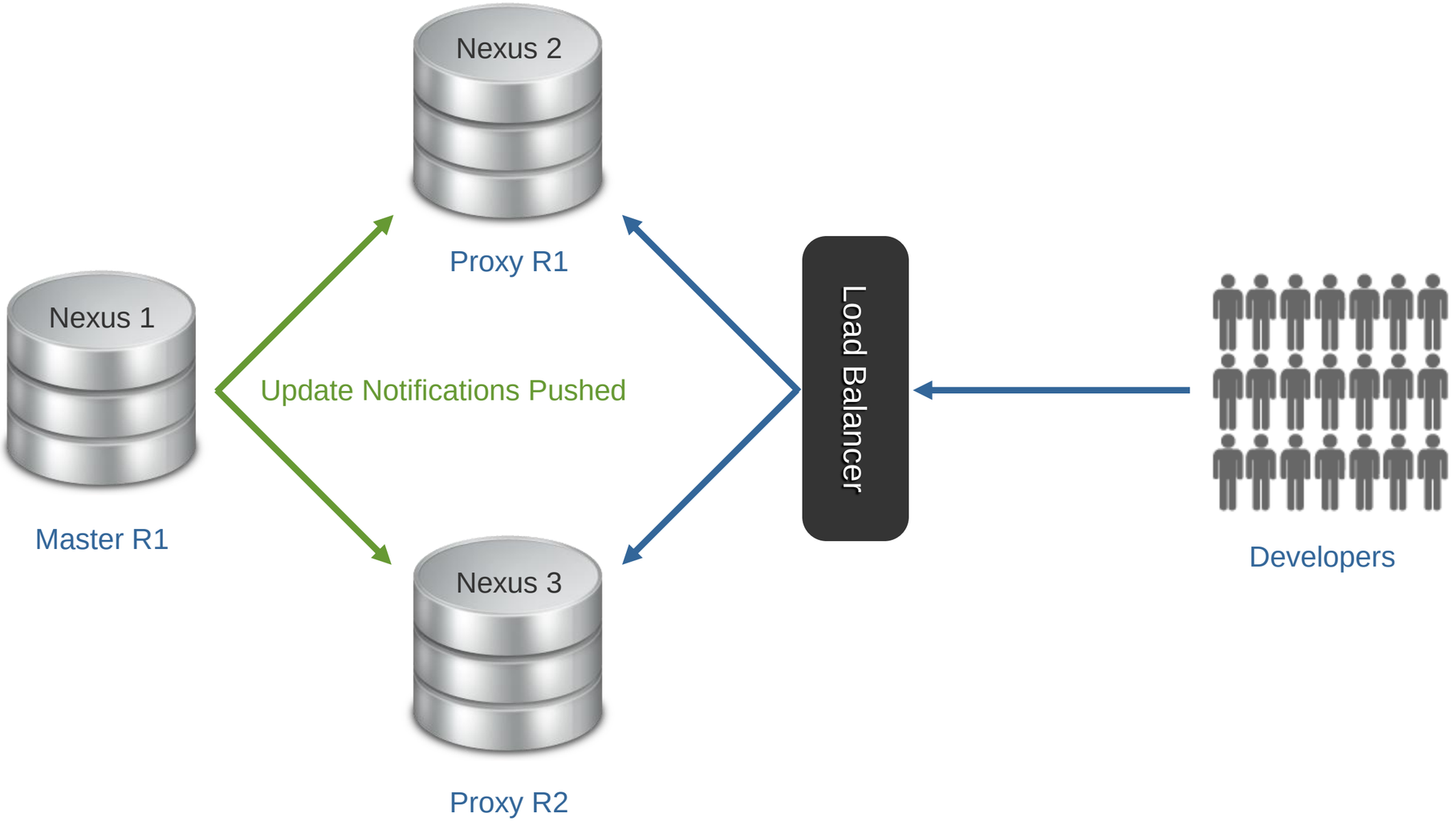
My team is administering Nexus and we're answering the needs of our development and production teams by providing them with a secured repository and great way to share binaries across the globe.

Alexis Morelle
Software Factory Architect
Alcatel-Lucent, France

Configuration Management



Availability Architecture: Smart Proxy



We're excited to be working with Sonatype to help the **.NET community save time and cost** while building a more **secure and effective** development environment for their organizations."

Microsoft

Scott Hunter
Principal Program Manager

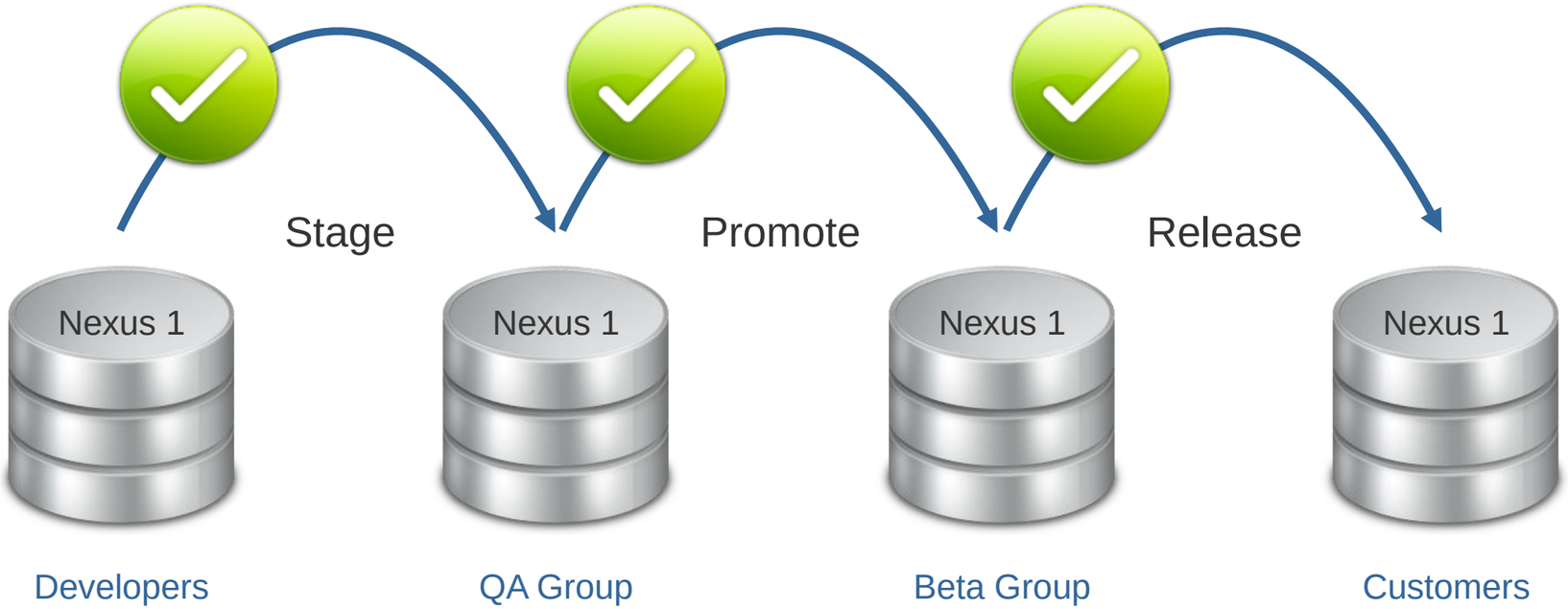
Microsoft Visual Studio

nuget

Nexus

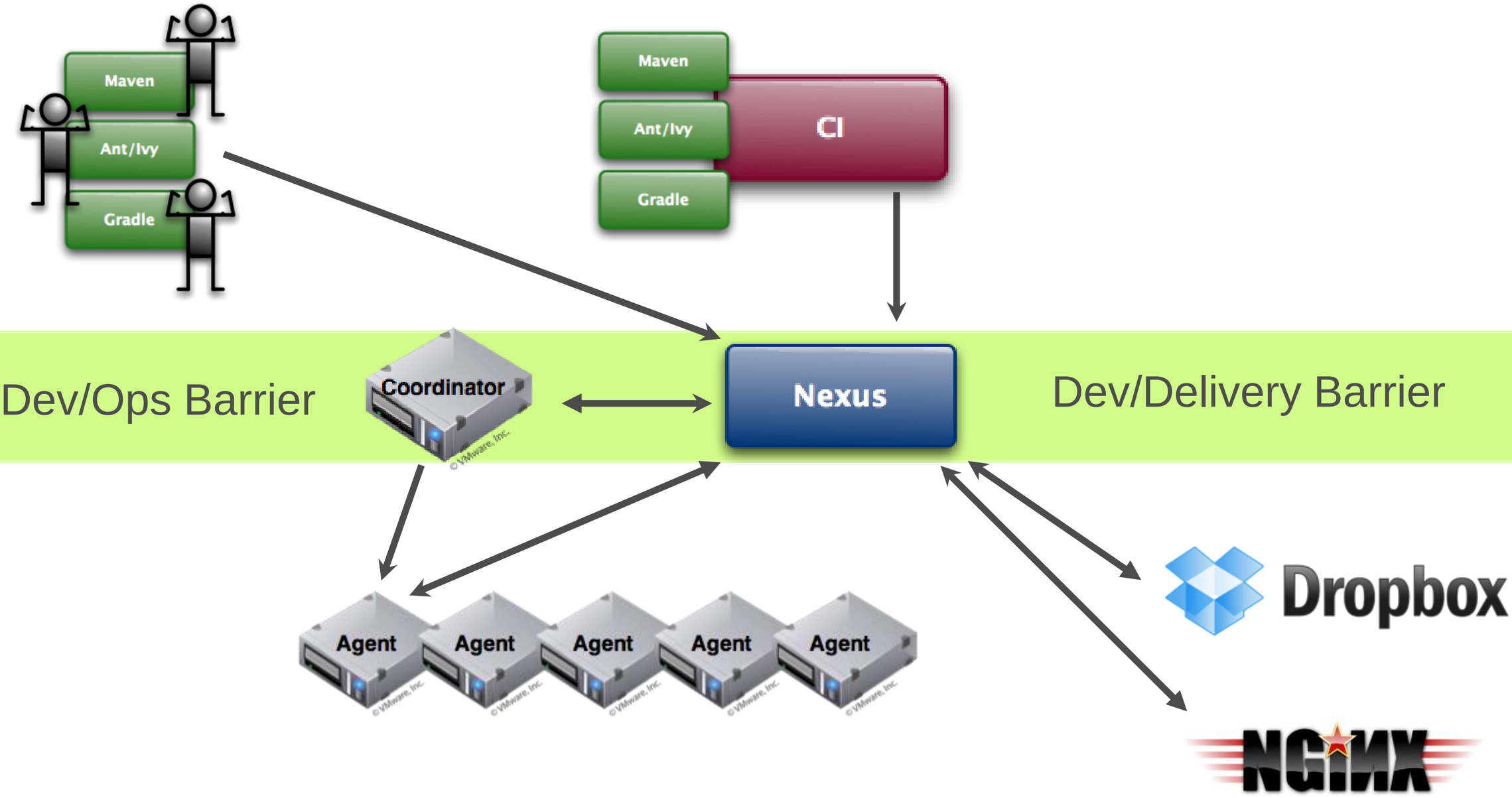
OUTERCURVE FOUNDATION

Build Promotion & Staging



Summary Data For Open Source Users

Detailed Reports for Customers



There should be no development tools in your production or delivery environments

- **Try Nexus Pro for Yourself**
- **Free 14 Day Trial**

- www.sonatype.com/camelone

- Sign up for a trial at this url and we'll send you a Nexus travel mug!