



7th November 2013

Red Hat & JBoss @ Universities UNIZA & TUKE

JBoss Community x Enterprise

Václav Tunka
Software engineer
JBoss Enterprise Platforms

What is JBoss?



What is JBoss Application Server?



- Open Source Java EE server.
- Founded by Marc Fleury in 1999.
- The name came from Enterprise Java Beans (EJB) -> EJBoss.

JBoss AS has a new name!

WildFly





Runtime for back-end applications.



Programmers can concentrate on customer logic.



Transactions





Messaging





Load balancing



Persistence



Clustering



Caching



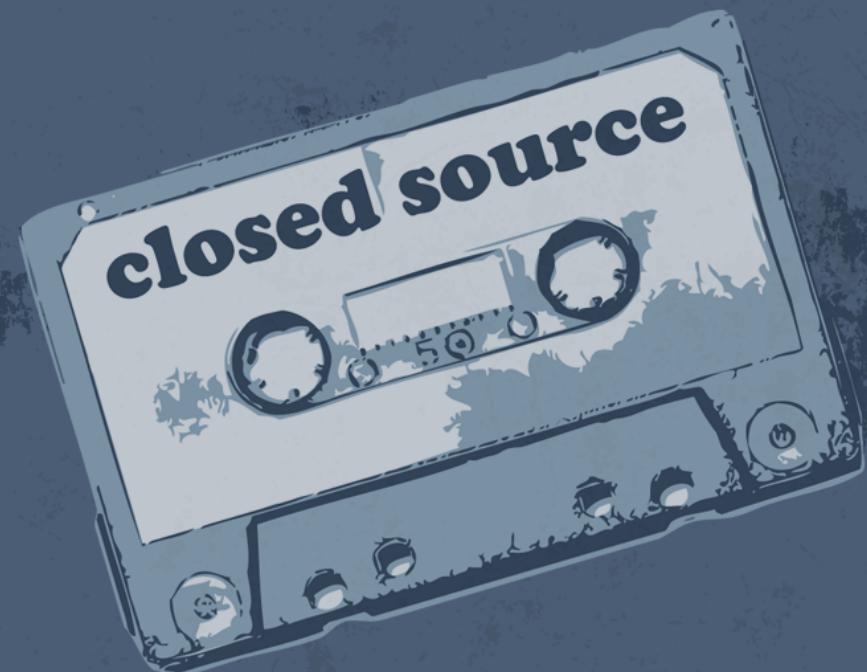
Java EE standards – to sum up

- Web Server (HTTP, HTTPS).
- Web container (JSP, JSF, Servlets, ...).
- Enterprise Java Beans (EJB).
- Persistence API (JPA).
- Transactions API (JTA).
- Web Services (JAX-WS).
- Messaging (JMS).
- Management (JMX).
- Security (JAAS).



JBoss Community

Let's talk about community projects first



closed source is lame.

JBoss
Community



Free your code.

JBoss
Community





byteman





HIBERNATE



HornetQ

Putting the buzz in messaging



Netty



Infinispan

Devoxx 2010

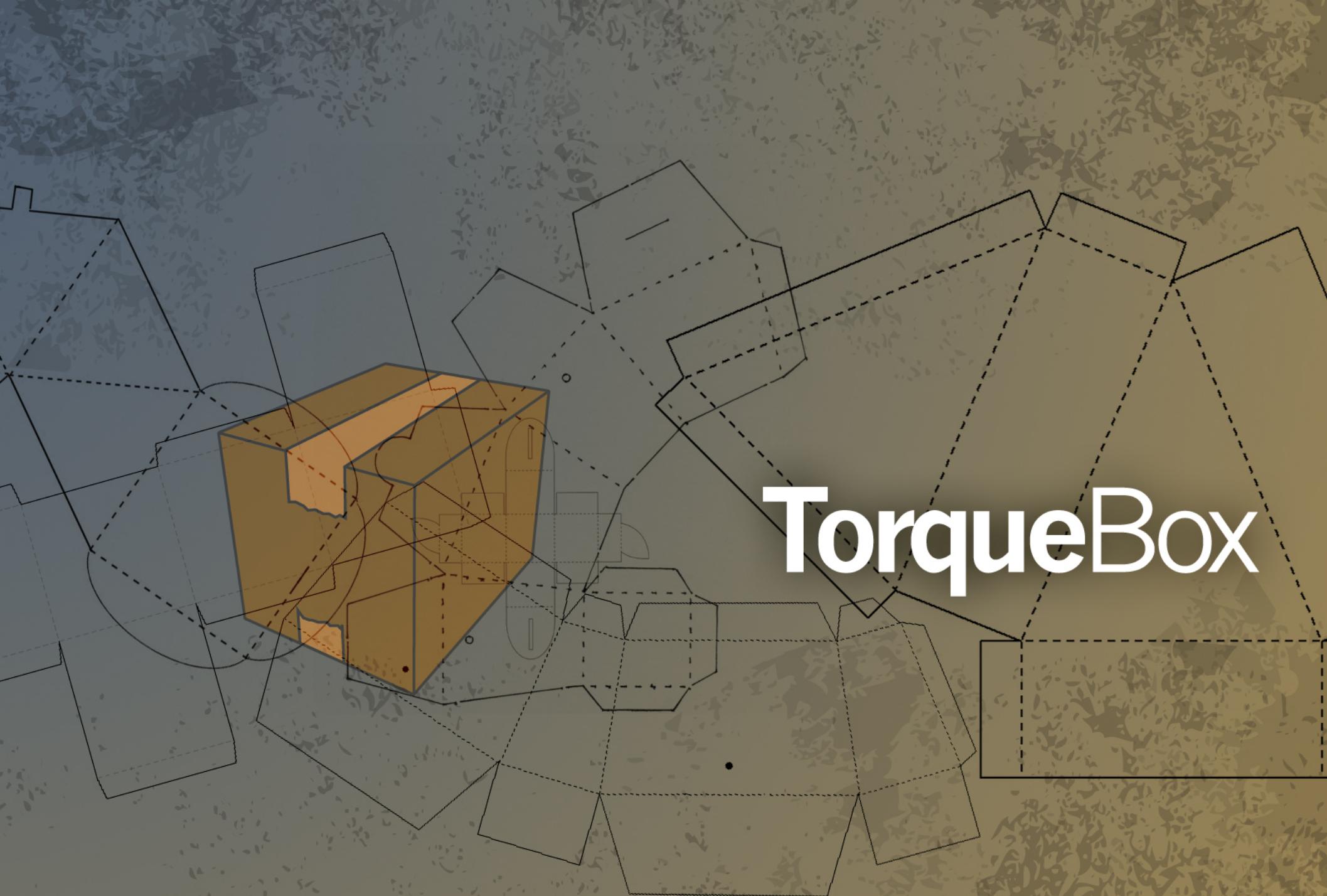
open source data grids

...to the highest reaches
of the cloud

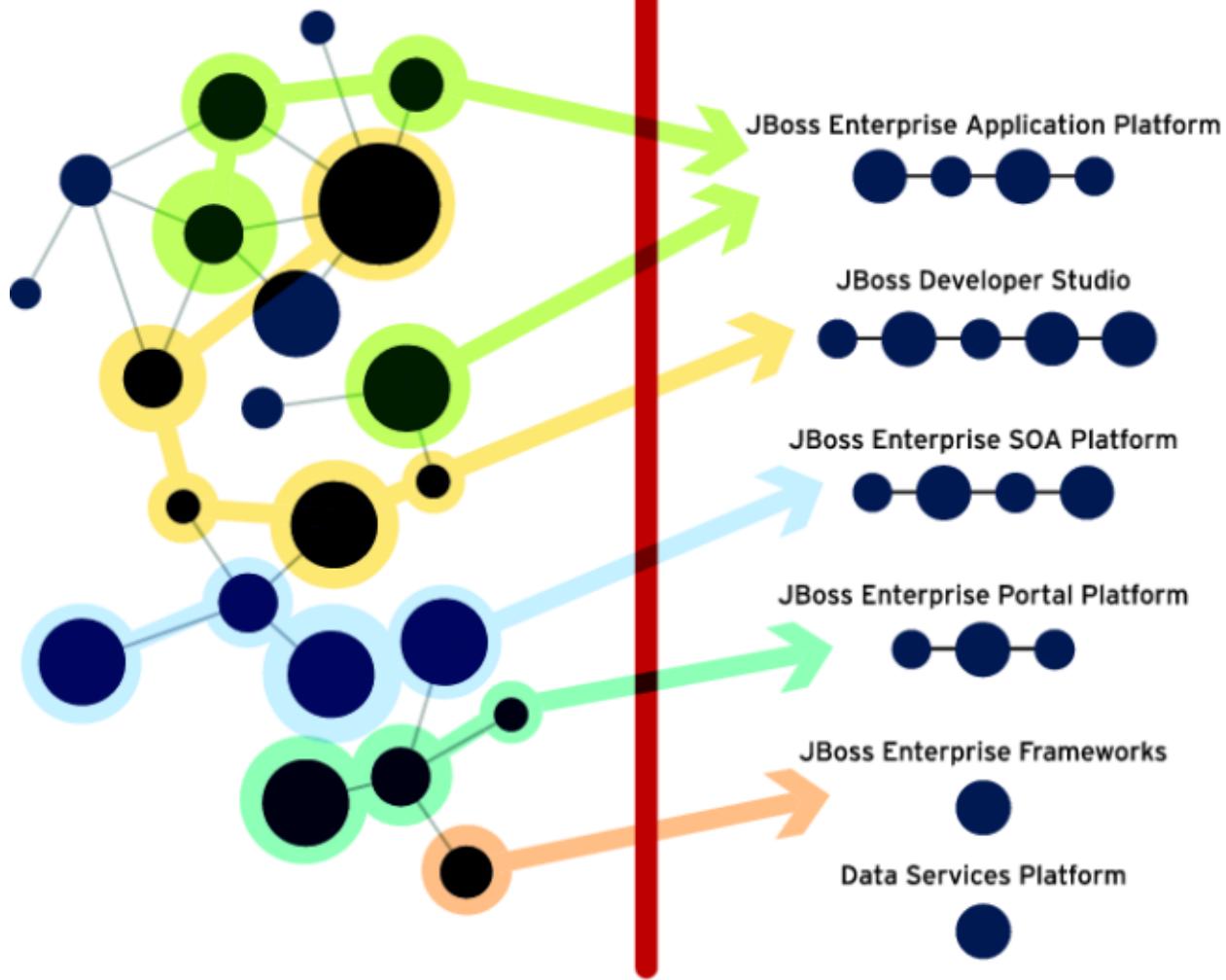


Distributed peace of mind

TorqueBox



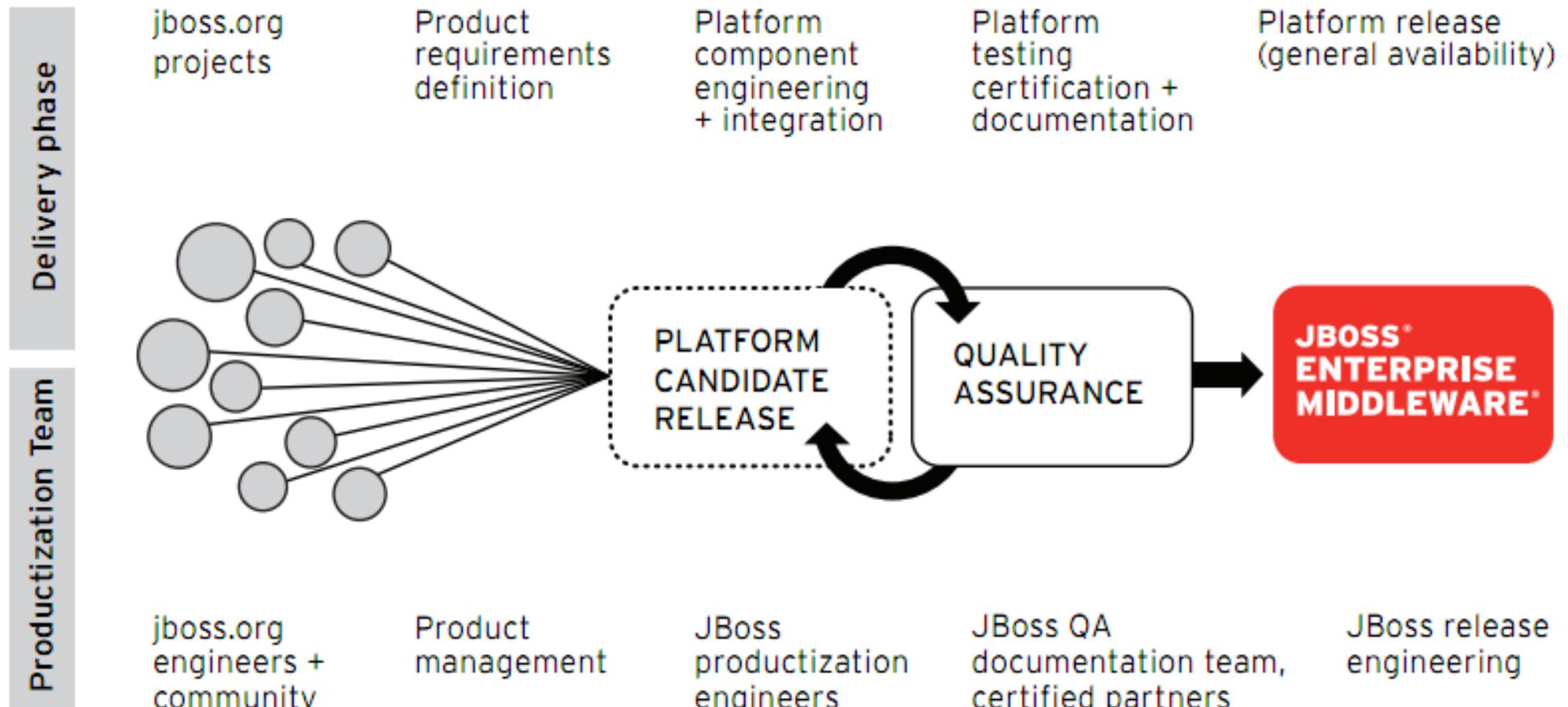
jboss
.org



Packaging and component integration is the key



What is productization?



Why productize?

- Meet software license requirements.
- Provide consistent branding message.
- Improve User Experience (UX).
- Deliver secure applications.
- Enable effective product support.
- Improve packaging / installation / maintenance.





Productization: Fedora x JBoss.org

Fedora is productized already

- 1) Legal,
- 2) branding,
- 3) usability,
- 4) security,
- 5) support,
- 6) packaging.

The JBoss Community is not productized

- Focused on R&D.
- Legal requirements are not always checked.
- Over 70 JBoss.org projects.
 - Different brands.
 - Many different communities.

JBoss Community builds

- Different project sites (JBoss.org, github, etc).
- Different SCMs (svn, git, etc).
- Different build tools (Ant, Maven, Gradle).
- Thirdparty projects (Apache, Codehaus, Sun/Oracle).

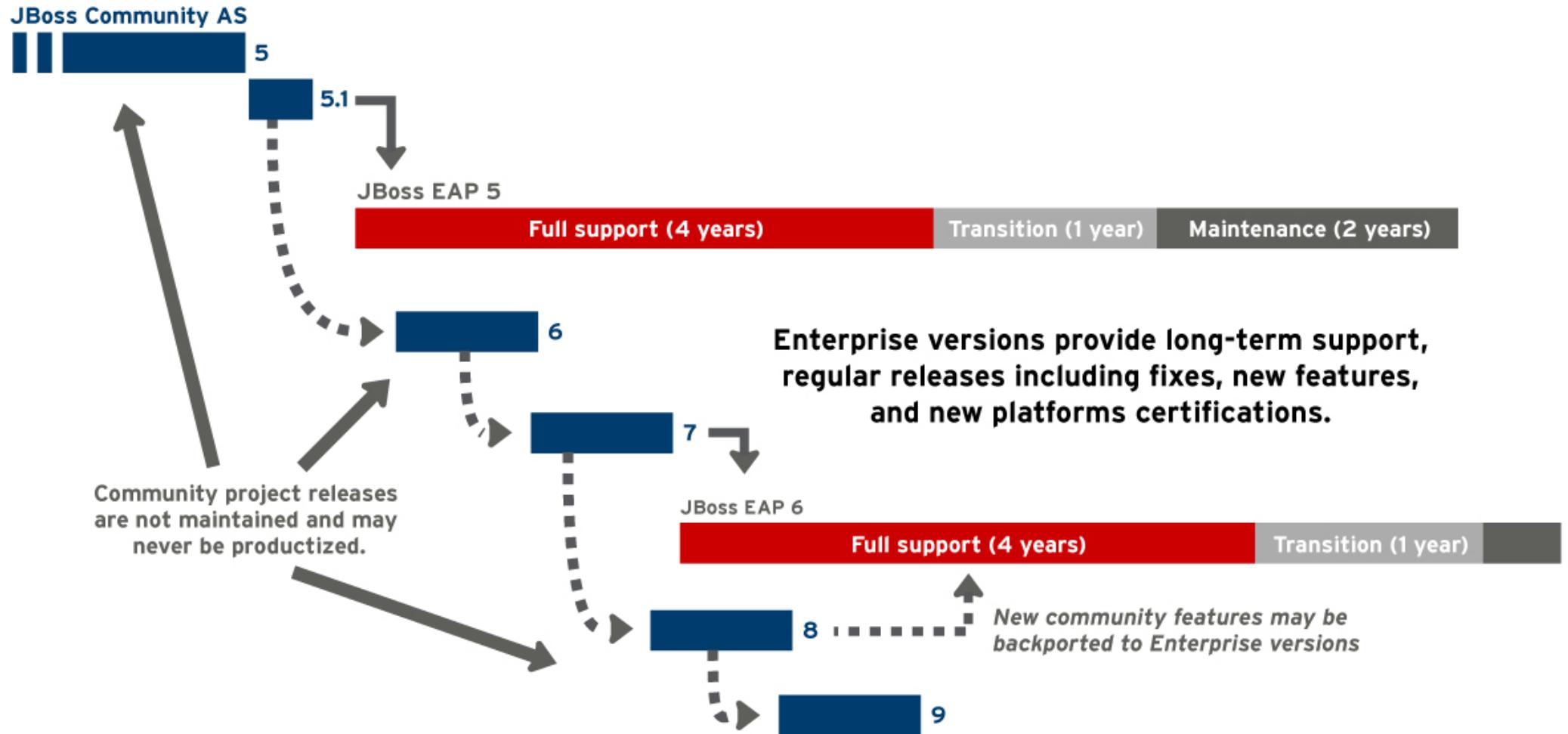
Fedora vs. JBoss Community

- Fedora takes community projects and packages them into a coherent system.
- The JBoss Community focuses on delivering a variety of (very) loosely related projects.





Productizing JBoss EAP



JBoss EAP productization

- 1) Legal,
- 2) branding,
- 3) usability,
- 4) security,
- 5) supportability,
- 6) packaging.



Challenges

- Java/Maven vs. RPM.
- Rebuilding Takes Time:
 - Locate the source,
 - understand the build,
 - find the dependencies,
 - build,
 - add Bugs! :)
- Delay between upstream changes and product release.



Lots of dependencies

- JBoss AS has ~200 direct dependencies.
- All build and test dependencies for all components?
 - Greater than 1000.







Quick summary

Community projects vs. Enterprise products

What is productization?

Why is it important?

References

- Dimitris Andreadis – JBoss.org x Jboss.com
<http://www.slideshare.net/dandreadis/jbossorgjbosscorm>
- Backbone image CC
- Craftman image CC
- ATM image CC
- Message image CC
- Dogs images CC
- Clock image CC
- Grapes image CC



Additional references

- Geocaching CC image
- JBoss.org design & slide decks





redhat.

JBoss®
by Red Hat

Links:

Visit JBoss.org/jdf

Contact

@vtunka on twitter

vtunka@redhat.com



Thanks for listening!