

Apache TomEE

Java EE Web Profile and more on Apache Tomcat

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About us



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The background features a dark purple gradient with a faint, repeating pattern of diagonal lines. In the center, there is a white silhouette of a large domed building, likely a mosque or cathedral, with several tall, slender minarets on either side. The text "Java EE in few words" is centered over the building's dome.

Java EE in few words



J2EE, but it was before

Guess

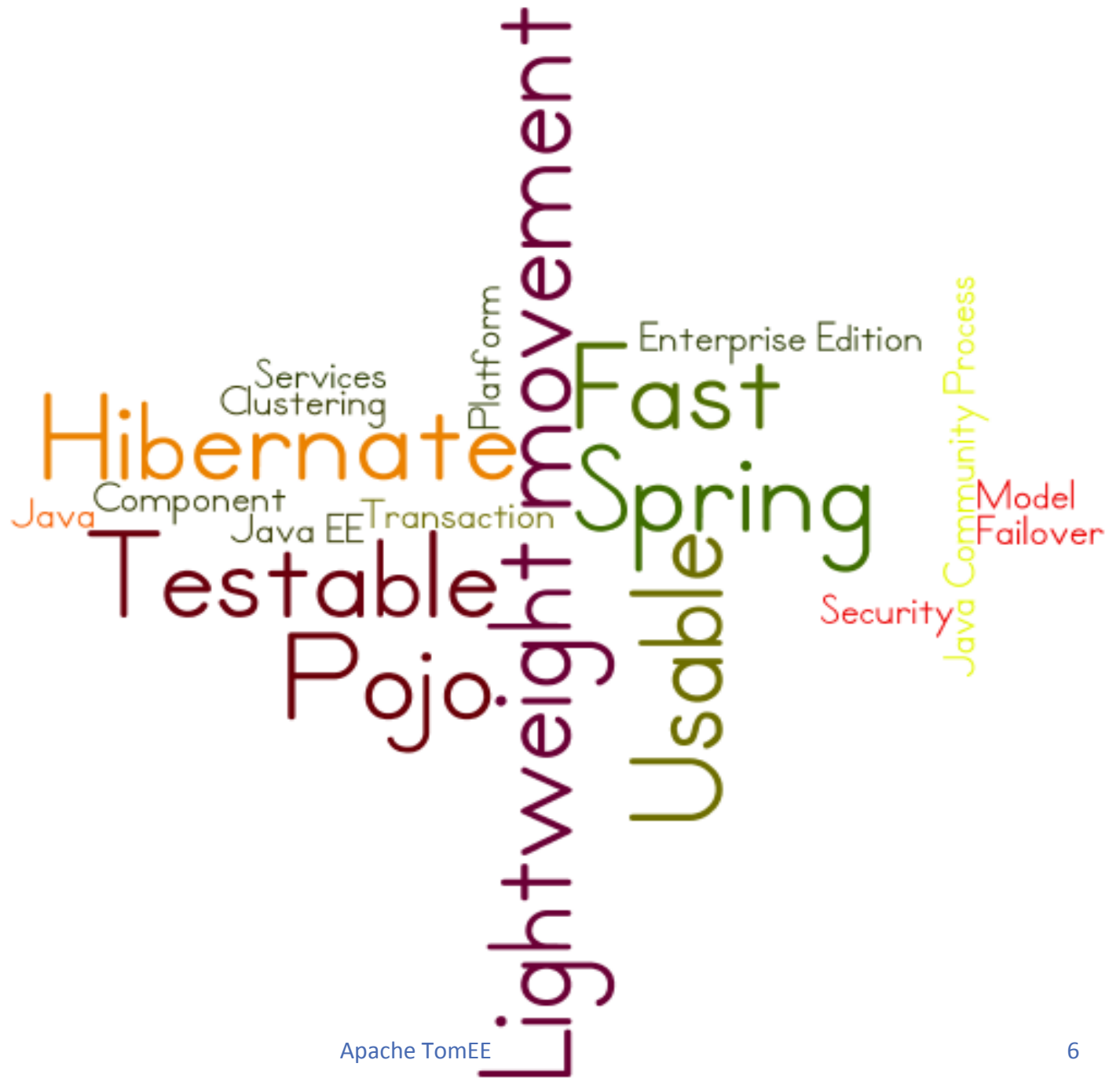
Recommend

Explain



Now, it's Java EE

The opposite



The background of the slide features a dark purple gradient with a subtle grid pattern. In the center, there is a dark silhouette of a large domed building, possibly a cathedral or a government building, with several tall, pointed spires on either side of the main dome.

What is Apache TomEE?

Pronounced « TOMMY », by the way ;-)



When did the story started?

2011

Java EE Web Profile

small

Tomcat + « Java EE » = TomEE

certified

Apache stack



Web profile?



The Web Profile to the rescue

Introduced in Java EE 6

Cut Java EE in **half**

Without legacy stuff

EARs are dead



Apache TomEE flavors

Feature	Tomcat	TomEE Web Profile	TomEE JAX-RS	TomEE Plus	TomEE PluME
Servlets	Yes	Yes	Yes	Yes	Yes
JSP	Yes	Yes	Yes	Yes	Yes
JSF		Yes	Yes	Yes	Yes (Mojorra)
JTA		Yes	Yes	Yes	Yes
JPA		Yes	Yes	Yes	Yes (EclipseLink)
CDI		Yes	Yes	Yes	Yes
JAAS		Yes	Yes	Yes	Yes
JACC		Yes	Yes	Yes	Yes
Java Mail API		Yes	Yes	Yes	Yes
Bean Validation		Yes	Yes	Yes	Yes
EJB		Yes	Yes	Yes	Yes
JAX-RS			Yes	Yes	Yes
JAX-WS				Yes	Yes
JCA				Yes	Yes
JMS				Yes	Yes



Proven Apache Stack

Apache CXF

ActiveMQ

Connectors

OpenEJB



OpenJPA



OpenWebBeans

MyFaces



Our 3 key drivers

Be simple

Be certified

Be Tomcat



Feedback



User stories

“ THE SWITCH TO
TOMEE WAS THE BEST
DECISION WE MADE
THIS YEAR ”

“To be honest I never liked Java very much. ... Shortly after the release of TomEE 1.0 one of our programmers took a look into it and tried to migrate the project. The farther he went the greater was his enthusiasm. ‘This is so easy!’ ... The switch to TomEE was the best decision we made this year.”

Jörg Jans – Jan 31, 2013

“ TOMEE IS INSANELY
FAST! ”

“I decided to get rid of Spring from my project and to use Apache TomEE Plus (TomEE with additional OpenEJB and CXF jars) to manage my rest service. And this time no Spring configuration at all! TomEE and JavaEE 6 rock! There is also one point to note. TomEE is insanely fast!”

Lukasz Budnik – May 23, 2012

“ I AM LOVING
TOMEE ”

“I am loving TomEE, especially what I have learned and gained from TomEE committers and user group (along with other Apache user groups)!!!”

Howard Smith – Dec 10, 2012



User stories

“ APACHE TOMEE...
RECOMMENDED TO
ALL OF YOU ”

“Our team evaluate a migration from Glassfish to another Application Server, we tried JBoss but we didn't get satisfied, in that moment we see an interview where +David Blevins was talking about TomEE.... Our app now is running with TomEE and other frameworks without any problem. We are still using Apache TomEE and really i recommend to all of you.”

**Try it yourself
And let us know!**

“ JAVA
DEVELOPERS HA
DESIRED FOR OV
TEN YEARS ”

Naresh said, this for over 10 years. and be congratulated will go down as one JBoss history.”

Chris Alexander – May 8, 2012

“ COMMUNITY
SUPPORT IS
AMAZING! ”

“TomEE is really a really value added to our team. ... TomEE, became our reference application server. Community support is amazing! Keep up the good work!”

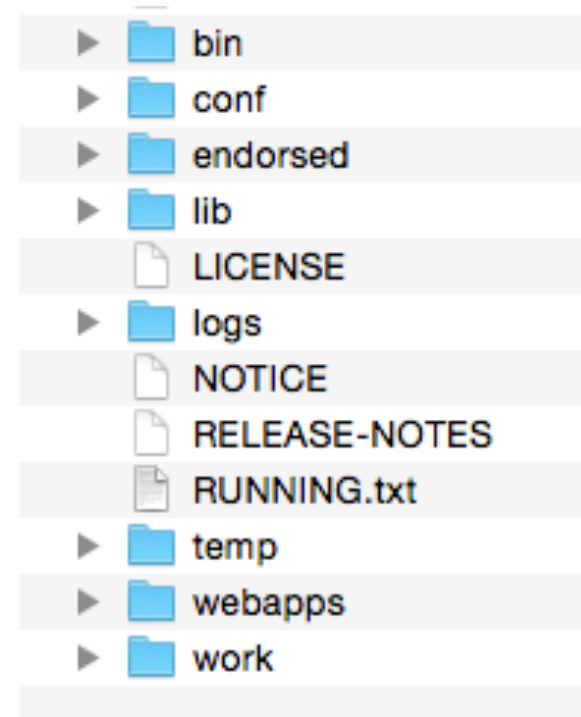
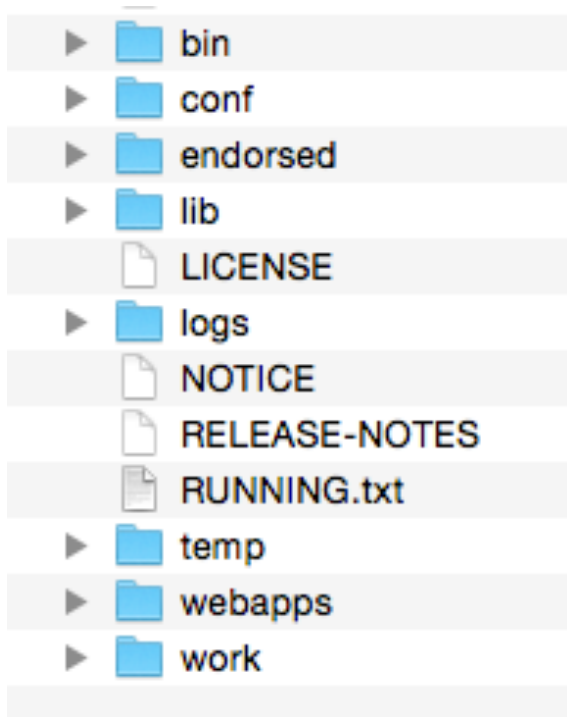
Miles Poindexter – Jan 17, 2013

The image features a dark purple gradient background. In the center, there is a white silhouette of a large domed building, likely a mosque or cathedral, with several tall, slender minarets on either side. The text "How is it build?" is written in white, sans-serif font across the middle of the building's silhouette.

How is it build?



Apache Tomcat vs Apache TomEE



Apache TomEE



Do we only add/remove files?



What is integration?

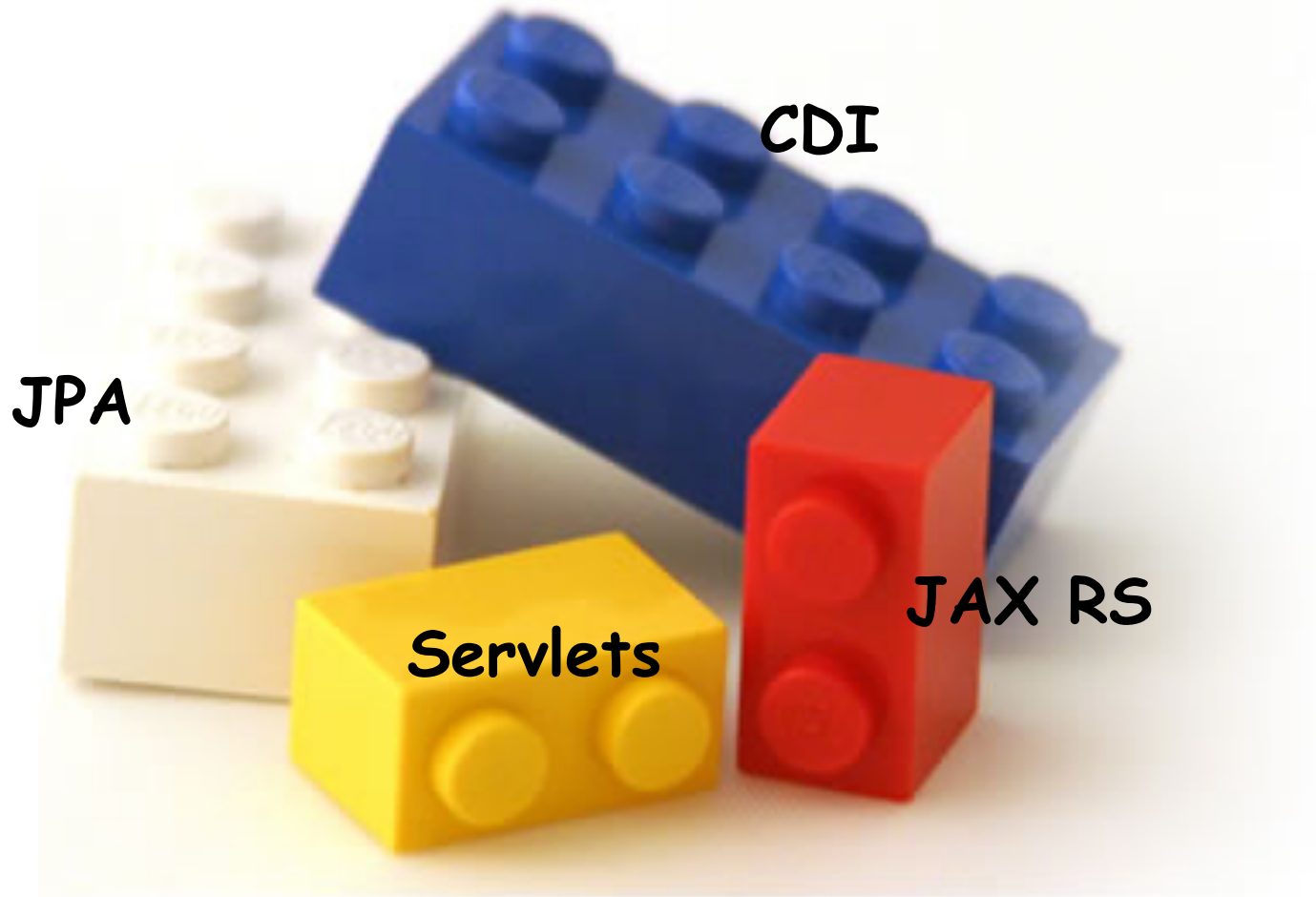
No ..

The jars are there

... that's *integration*, right?

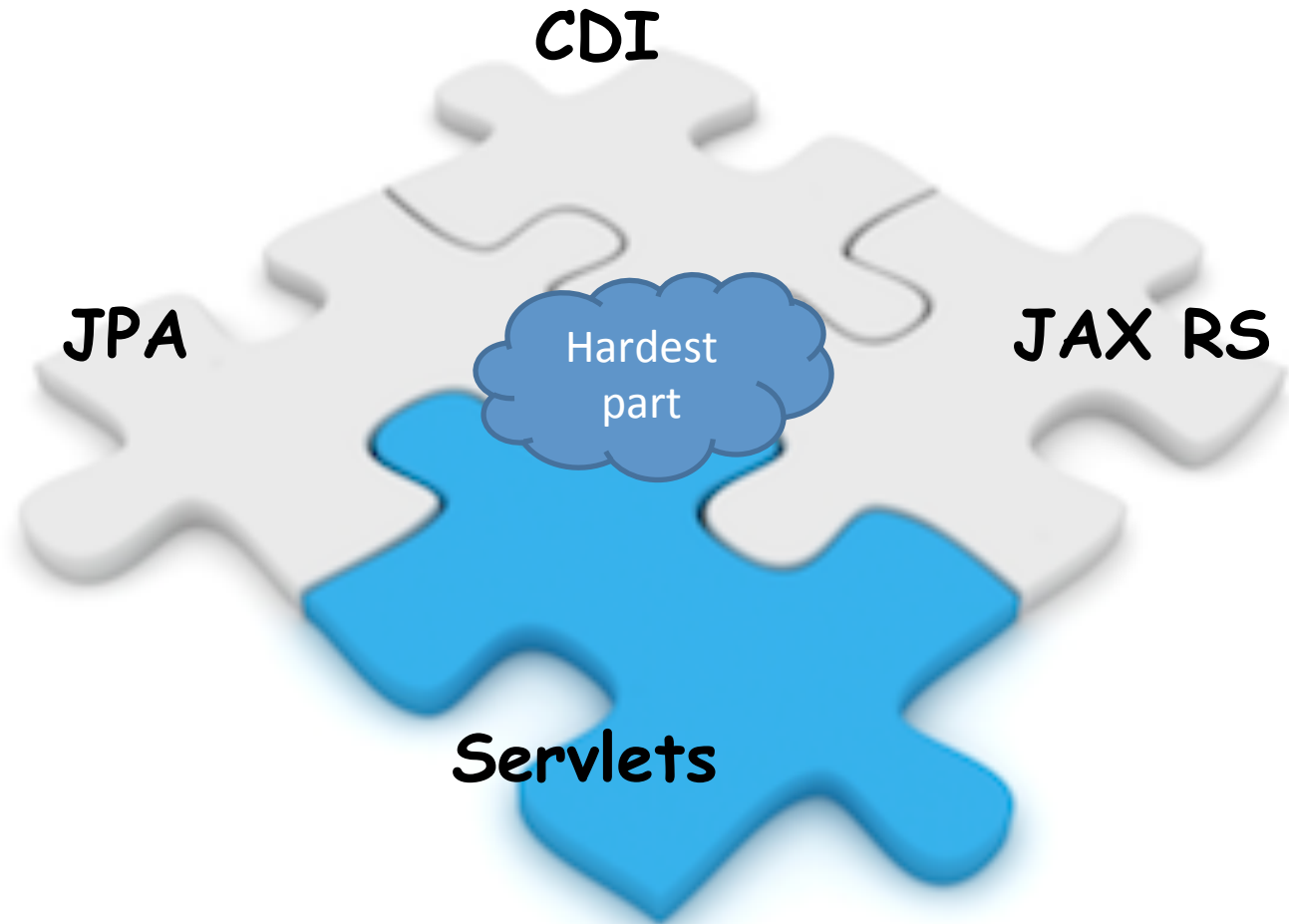


JARs side by side don't cooperate





It needs real integration code





And it never stops...





Your choice ...

Spend your time writing
applications ...



Or continue ...

Not writing
applications servers ...



The image features a dark purple gradient background. In the center, there is a white silhouette of a large domed building, likely a mosque or a similar religious structure. The building has a prominent central dome and several tall, slender minarets with pointed tops. The text "That's why we built TomEE" is overlaid in white, centered horizontally and positioned slightly below the middle of the image.

That's why we built TomEE



All what you love

All integrated

Maven

Boot time!

IDE

All Tomcat available

Simple

Memory footprint

lightweight



Heavily tested

- First our tests (lots)
 - Integration tests using Arquillian as well
- Certified Amazon EC2 (100 instances)
 - t1.micro linux images
 - 100 spot instances
 - 613MB memory max
 - Web Profile TCK with JVM defaults
- OSs Certified
 - Amazon Linux AMI 2011.09, EBS boot, 32-bit EC2 t1.micro
 - Amazon Linux AMI 2011.09, EBS boot, 32-bit EC2 m1.small
 - Amazon Linux AMI 2011.09, EBS boot, 32-bit EC2 c1.medium



Conclusion

- TomEE
 - As simple as Tomcat
 - As fast as Tomcat
 - But ... much more built-in

Ready to run!

- Application
 - Ultra light – focus on the application
 - No configuration boiler plate



Lots of cool stuff

- Arquillian – very advanced adapters
- Useful TomEE Maven Plugin
- Security / cryptography
- Multi-tenancy
- Tons of examples to learn Java EE and TomEE

- Lots of ideas for upcoming spec releases
 - Abstract beans
 - Meta annotations
 - ...



Tools and platforms



IntelliJIDEA



JRebel

*meta*werx.

 stackato™



Thank you!



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