THE ADVENTUROUS DEVELOPERS GUIDE TO APP SERVERS

SIMON MAPLE @SJMAPLE



YOUR SPEAKER



SIMON MAPLE @SJMAPLE

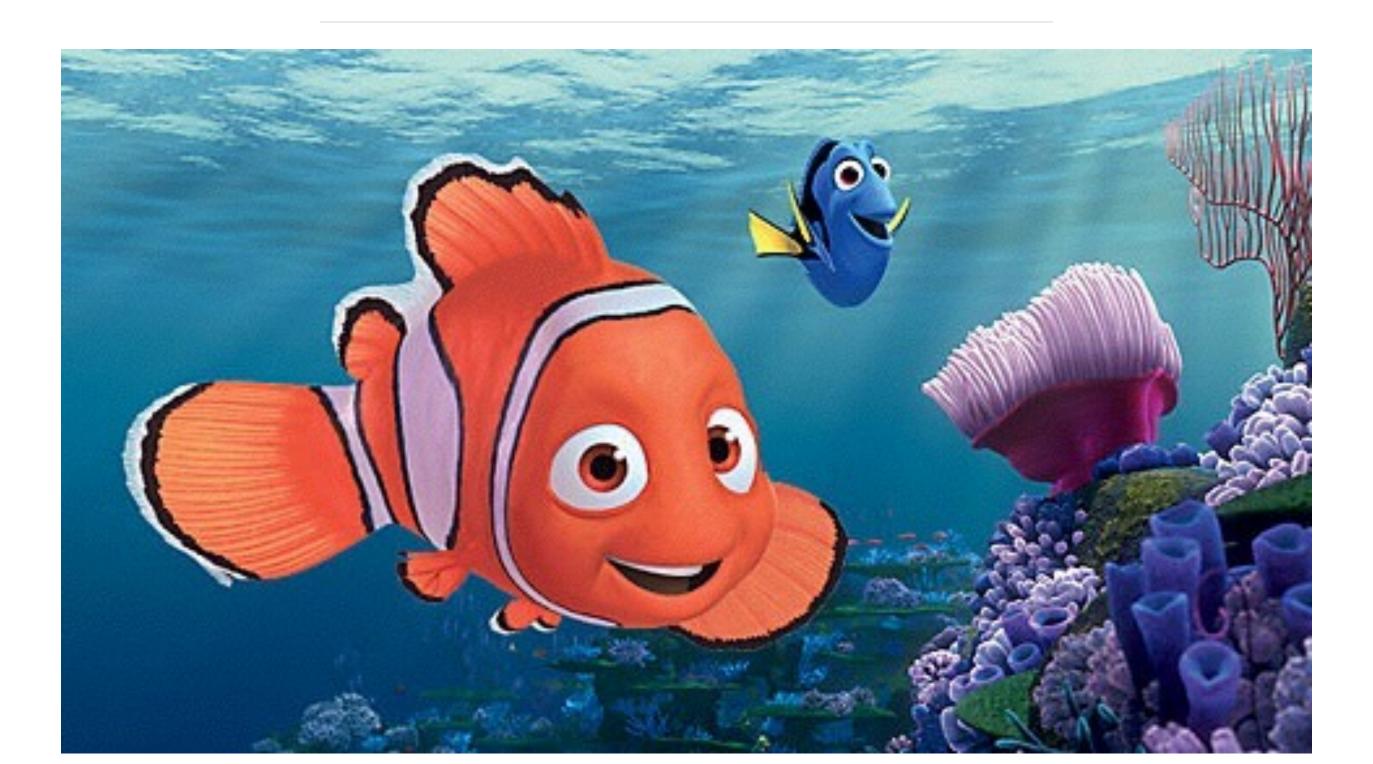




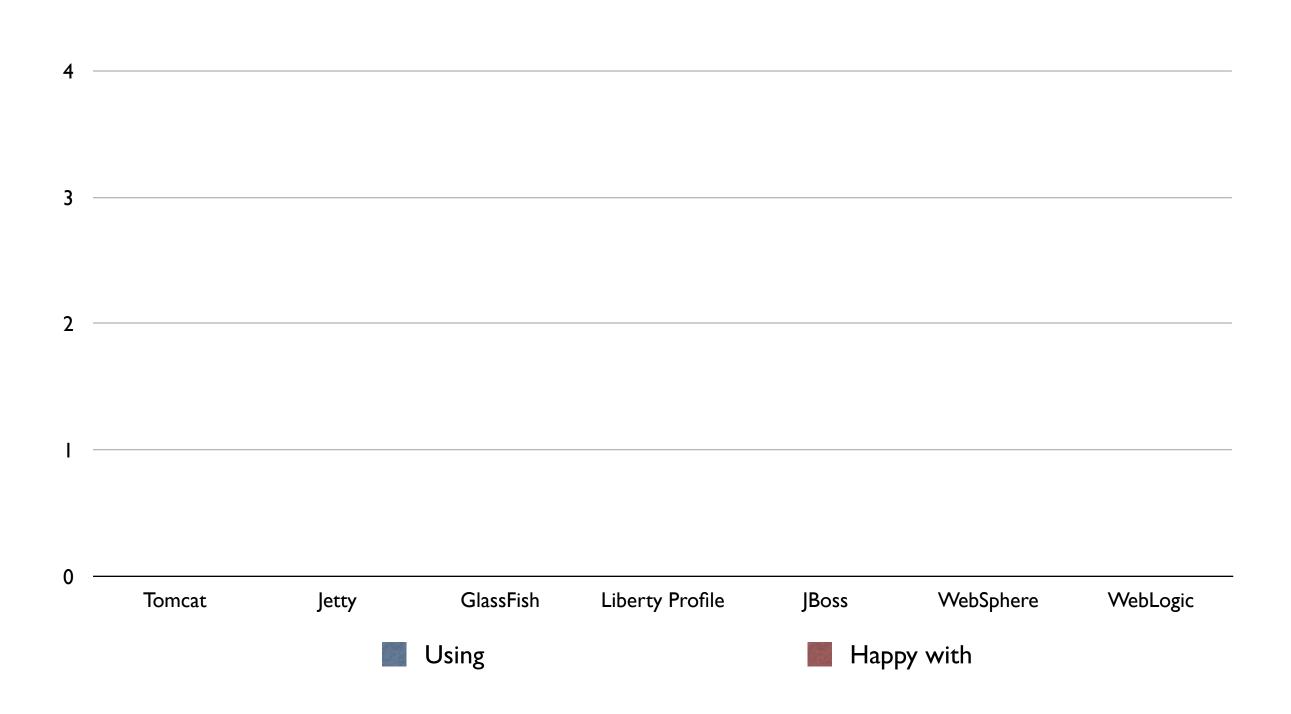
Name That Film

MURDER OF OVER 400 LIVES
KIDNAPPING
SHARK ATTACK
NEAR ELECTROCUTION
NEAR SUFFOCATION

Name That Film



MY AUDIENCE



WHAT IS AN APPLICATION SERVER?

WIKIPEDIA

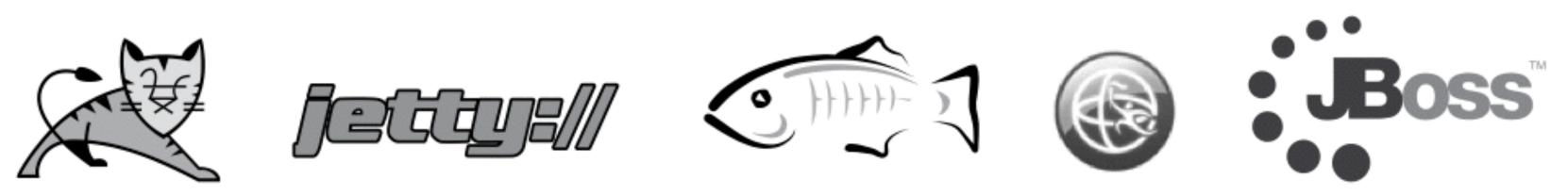
"JAVA PLATFORM, ENTERPRISE EDITION
OR JAVA EE DEFINES THE CORE
SET OF API AND FEATURES OF
JAVA APPLICATION SERVERS"











RebelLabs - rebellabs.org

THE GREAT JAVA APPLICATION SERVER DEBATE

TOMCAT, JBOSS, JETTY, GLASSFISH, LIBERTY PROFILE, WEBLOGIC & WEBSPHERE



METRICS

DOWNLOAD & INSTALLATION TOOLING SUPPORT SERVER CONFIGURATION DOCS AND COMMUNITY PERFORMANCE METRICS **FEATURES ADMIN & MANAGEMENT/UI COST & LICENSING**

DOWNLOAD & INSTALLATION



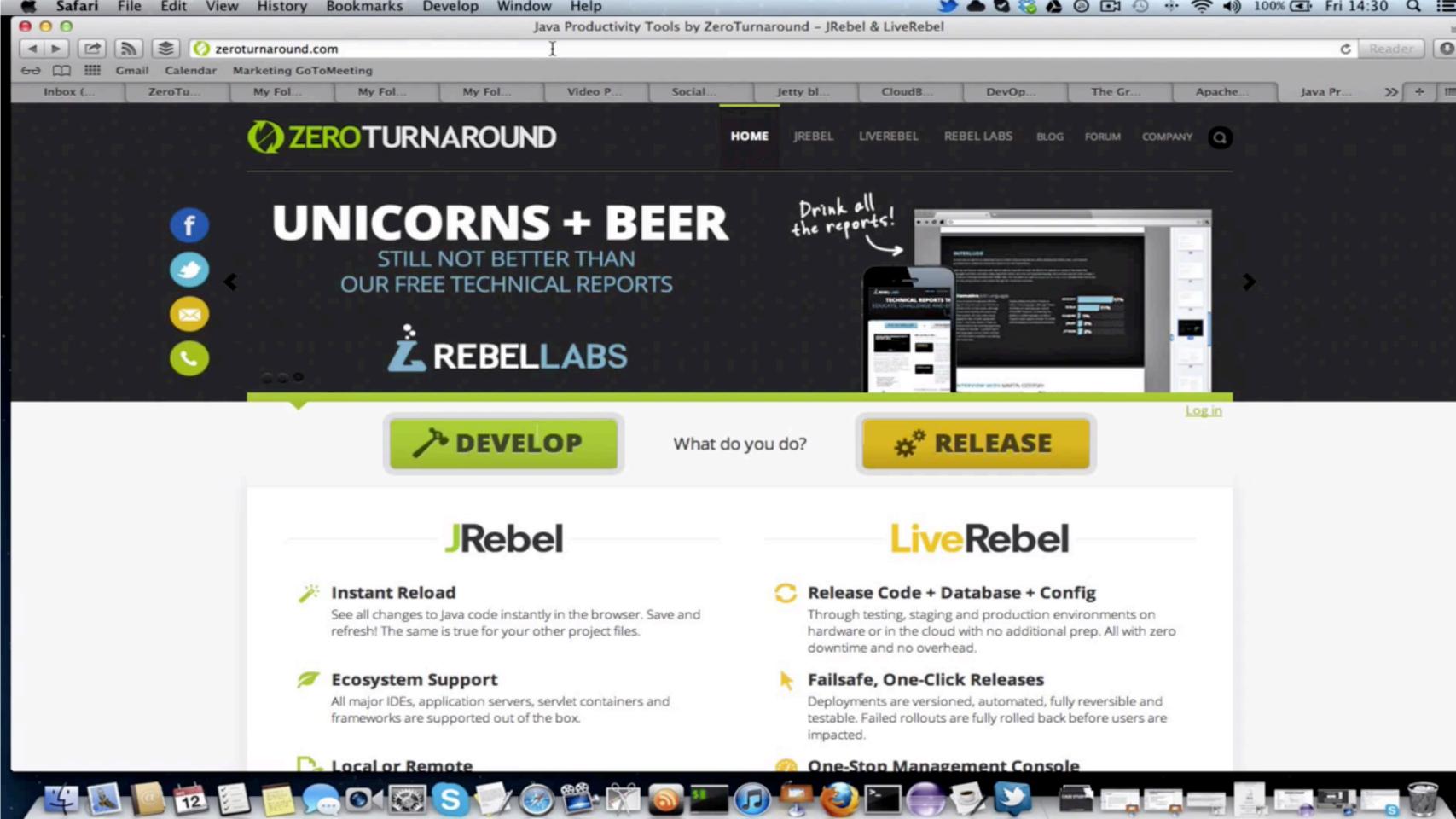




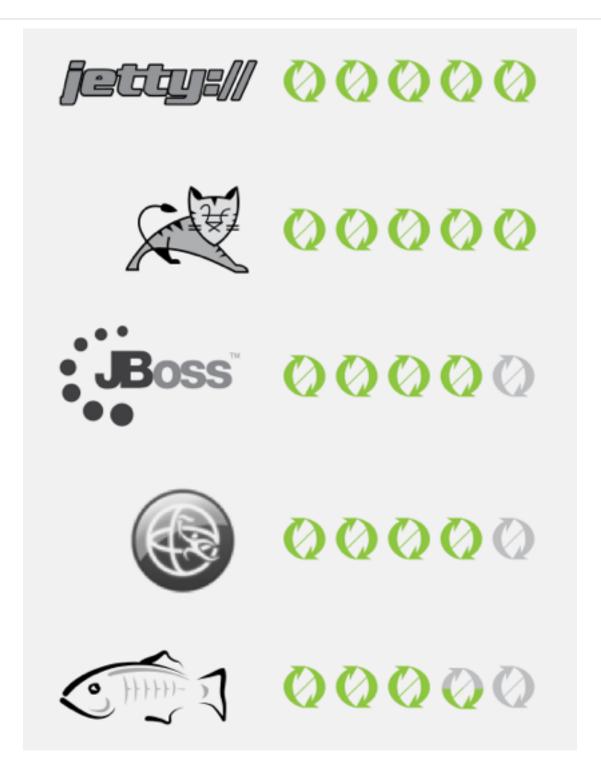




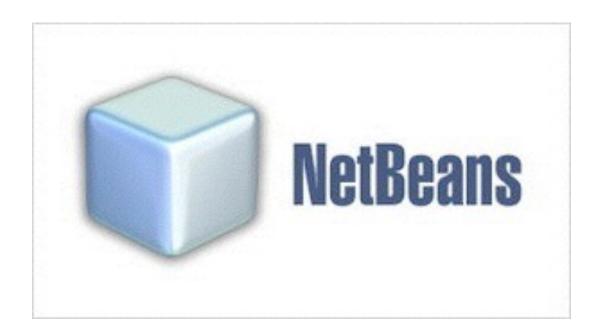
Simons-MacBook-Air:bin maples\$ ls
asadmin pkg updatetool
asadmin.bat pkg.bat updatetool.bat
Simons-MacBook-Air:bin maples\$



DOWNLOAD & INSTALLATION



TOOLING SUPPORT







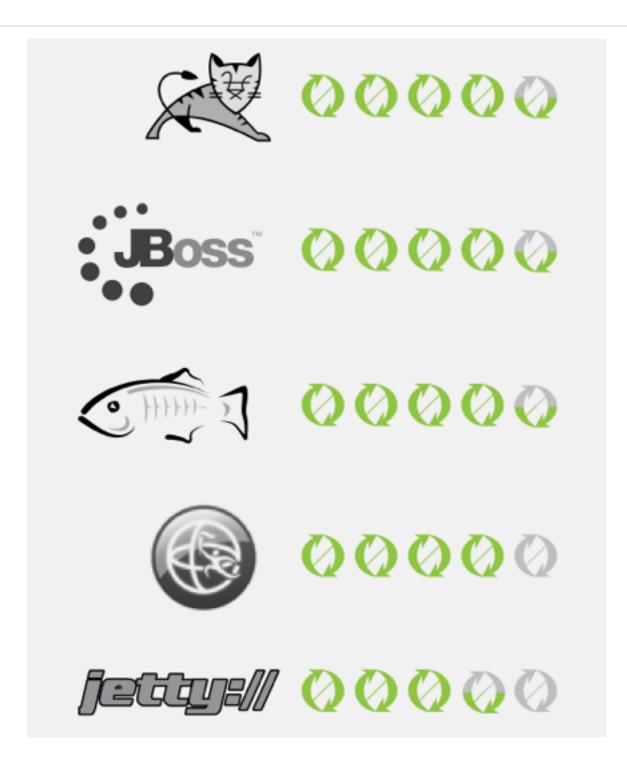


Maven





TOOLING SUPPORT



SERVER CONFIGURATION

< 3 xm J >

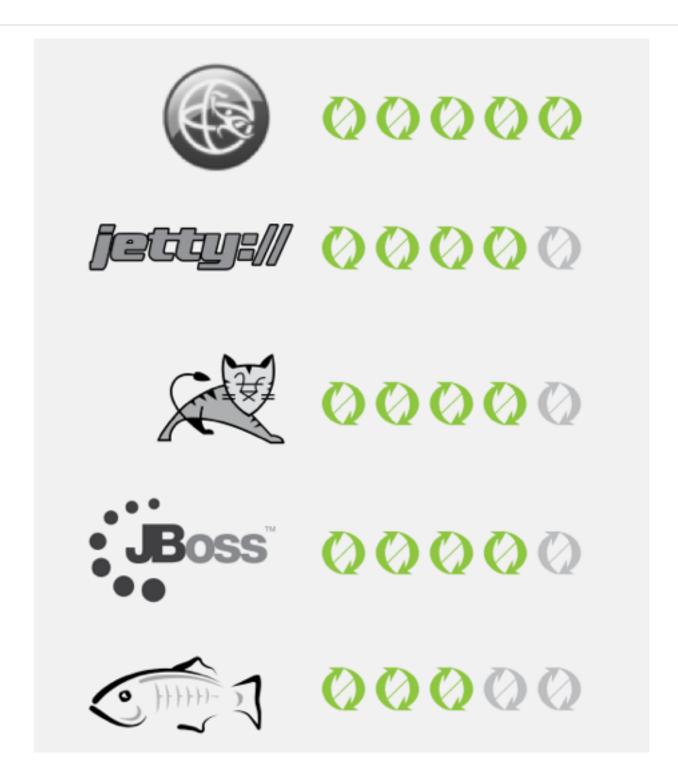
WEBSPHERE



LIBERTY PROFILE

LIBERTY PROFILE

SERVER CONFIGURATION

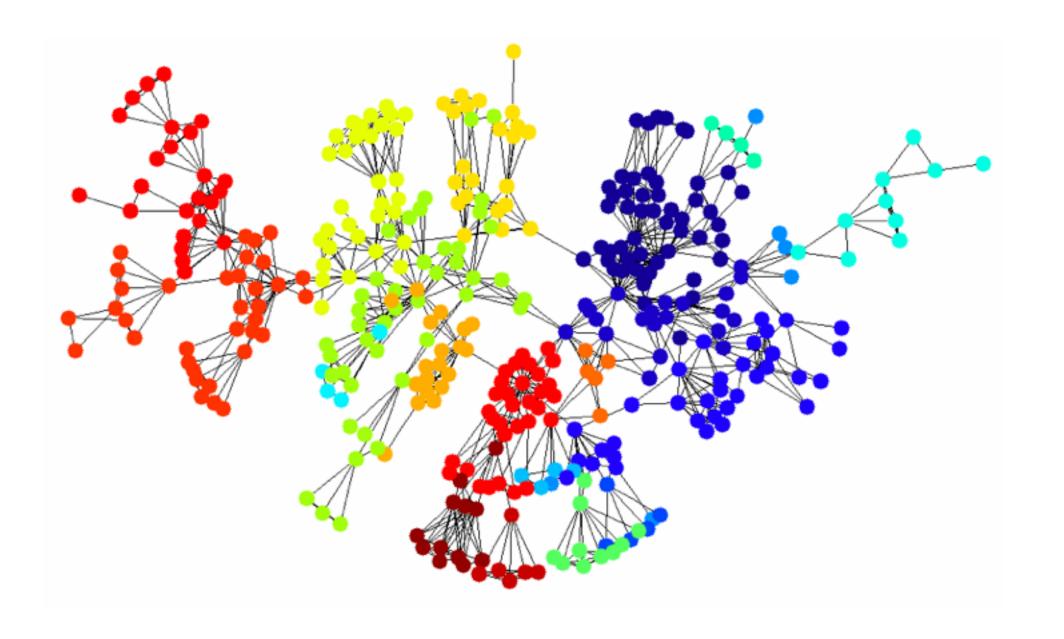


DOCS AND COMMUNITY

Google

Google Search

I'm Feeling Lucky

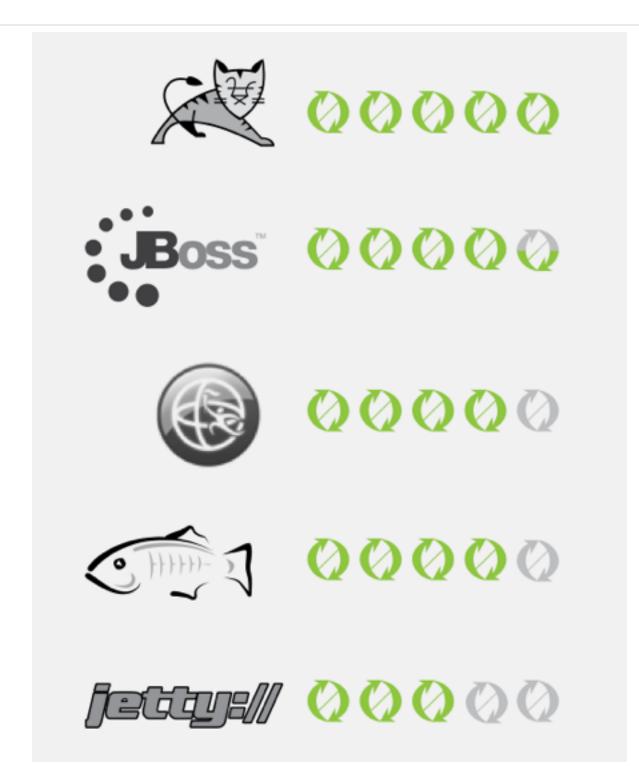




NEVER HAVE I FELT 50 CLOSE TO ANOTHER SOUL AND YET SO HELPLESSLY ALONE AS WHEN I GOOGLE AN ERROR AND THERE'S ONE RESULT A THREAD BY SOMEONE WITH THE SAME PROBLEM AND NO ANSWER LAST POSTED TO IN 2003



DOCS AND COMMUNITY



PERFORMANCE METRICS

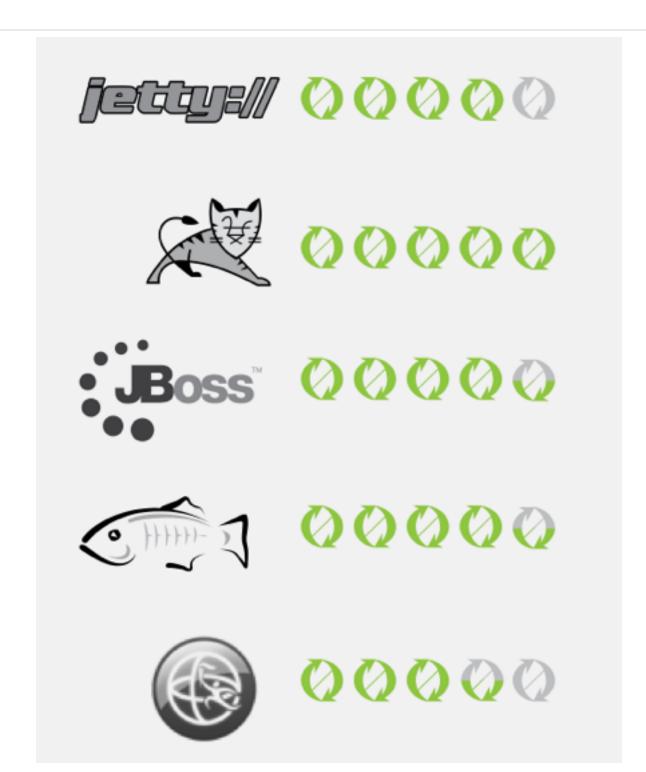
	LP	TC	GF	JETTY	JB	
Empty Server Startup time	2	2	+2.5	+2	+1	
Server Startup time w/ petclinic app installed	2.5	+3.5	+6.5	+8.5	+4.5	
Server Restart time with petclinic installed	4.5	+3.5	+8.5	+9	+6	
Server Startup time with jenkins app installed	4	+5	+6	+8	+11	
Server Restart time with jenkins installed	6	+6	+13	+8.5	+15	

JETTY TC GF JB LP **AVG** Petclinic app deploy time 1 5 5 6 3 4 2 8 8 8 13 7.8 Jenkins app deploy time

	LP	TC	GF	JETTY	JB	AVG
Startup with app & invoke petclinic	10.5	7.5	11	12.5	8.5	10
Startup, deploy & invoke petclinic	11	8.5	11.5	11.5	7.5	10
Startup with app & invoke jenkins	25	11.5	14	15	17	16.5
Startup, deploy & invoke jenkins	25	12.5	16.5	15	18	17.4

^{*}N.B* This has improved in version 8.5.5 since this report has been released. For more info, check out the <u>WASdev</u> site's review and commentary of this report :)

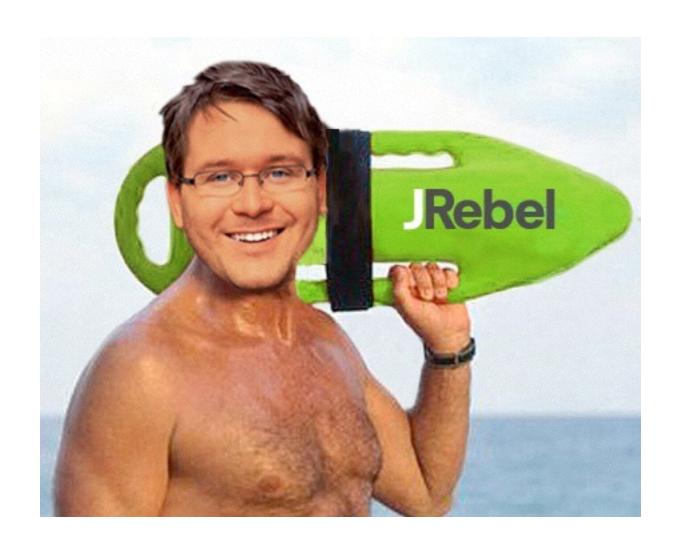
PERFORMANCE METRICS



LIBERTY PROFILE 8.5.5.4

Task	Liberty Profile 8.5.0.0	Liberty Profile 8.5.5.4
Empty server startup	2	2
Server startup time with petclinic installed	2.5	3
Server startup time with jenkins installed	4	8
Petclinic app deploy time	1 2 8	2.5
Jenkins app deploy time		5.5
Petclinic init time (1st req)		4
Jenkins init time (1st req)	21	8
Server startup, deploy petclinic & invoke	11	10
Server startup, deploy jenkins & invoke	25	16

YEH, WE SAVE LIVES



Founder/CEO Jevgeni "Hosselhuff" Kabanov gets ready to save more Java developers from redeploy madness with JRebel

FEATURES



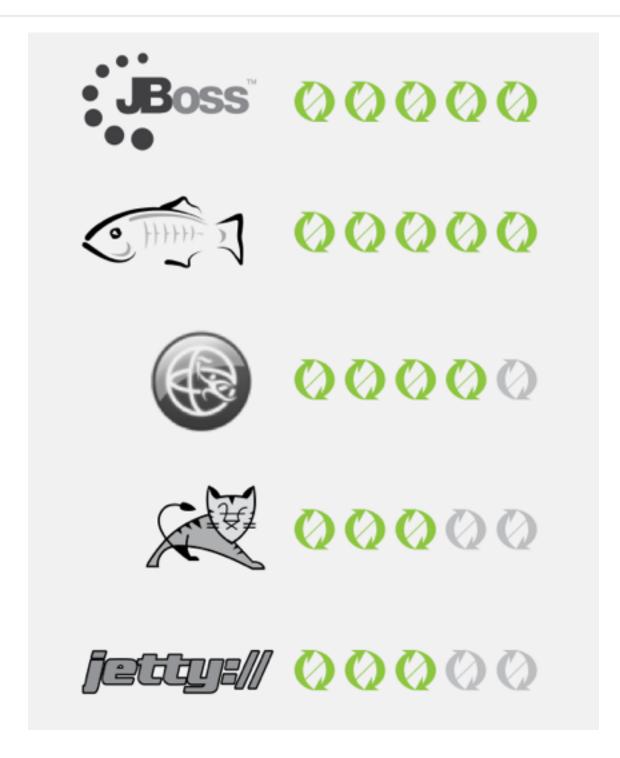




Apache TomEE

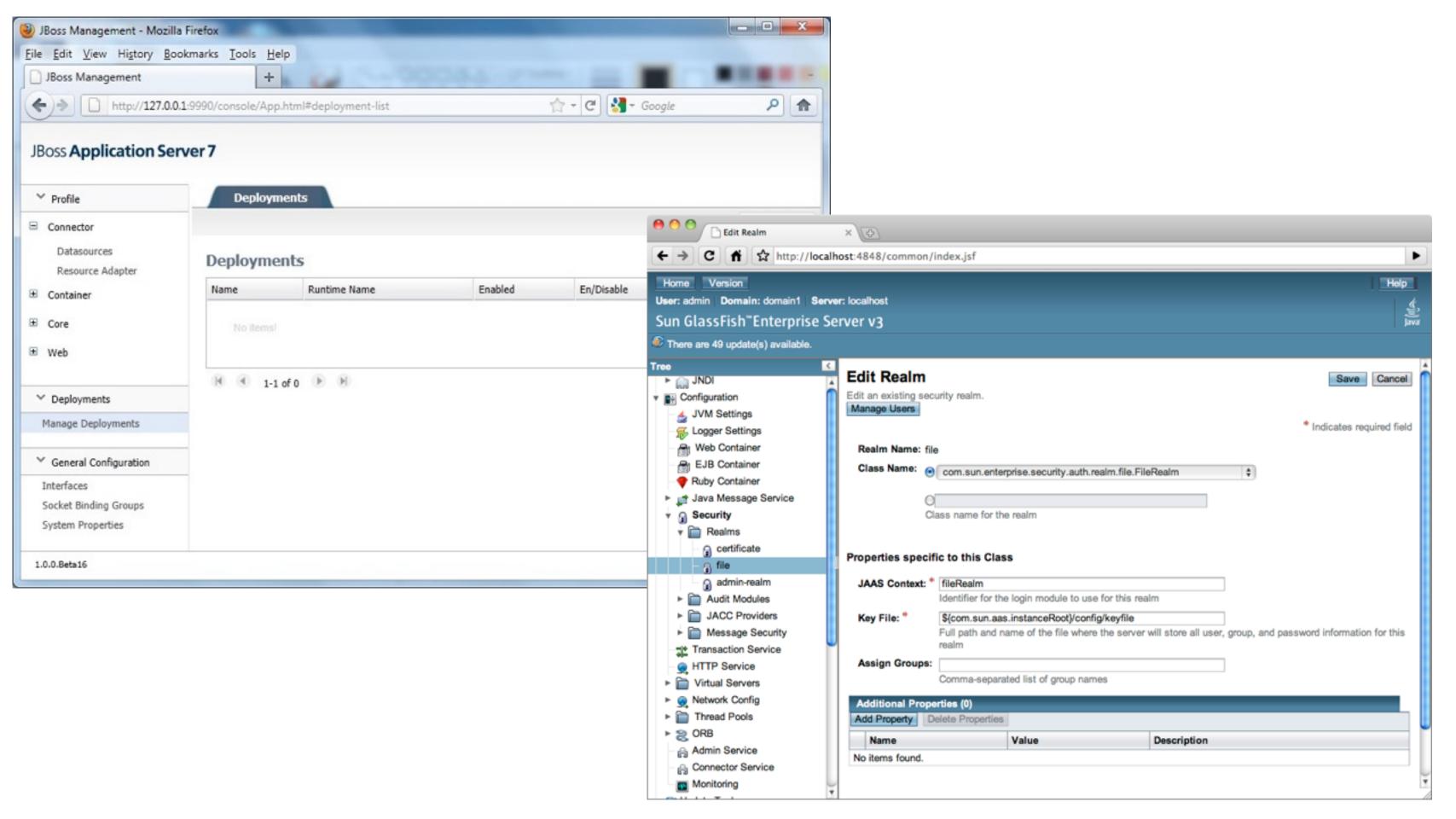
http://tomee.apache.org/

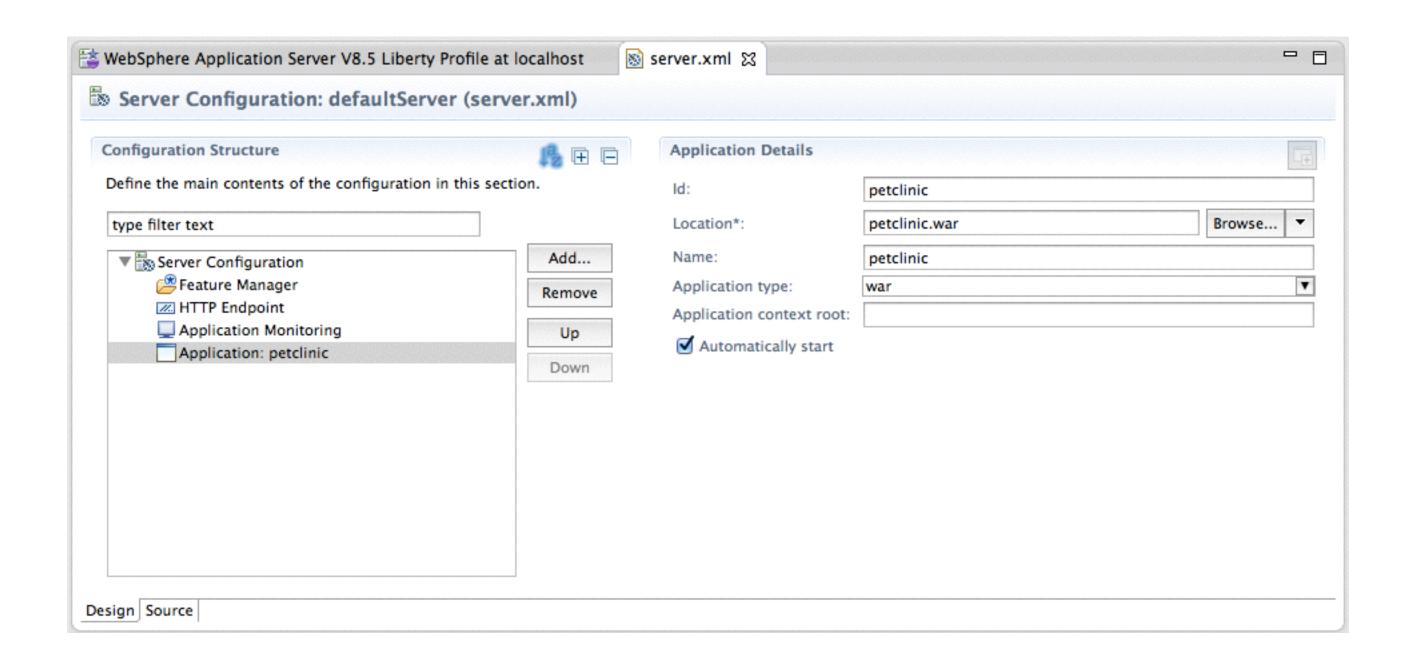
FEATURES & OS COMPATIBILITY



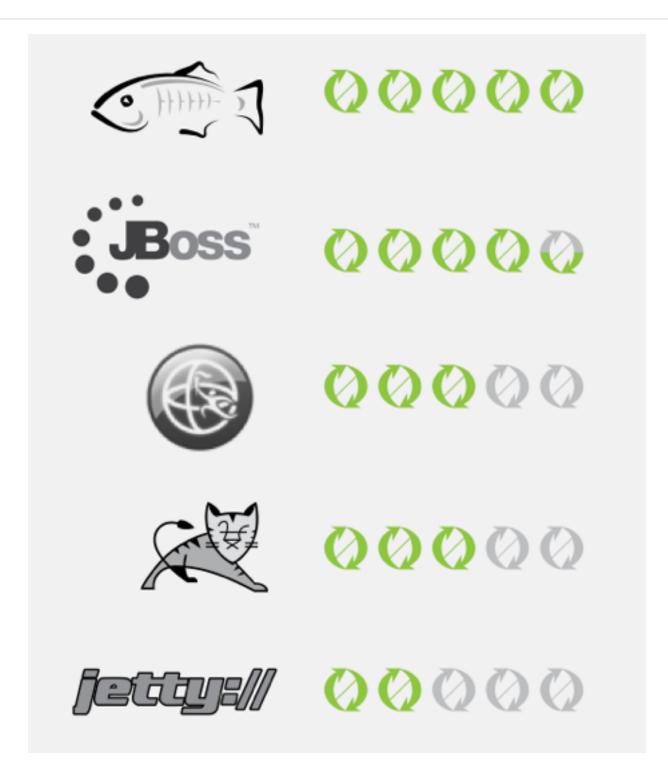
ADMIN & MANAGEMENT/UI

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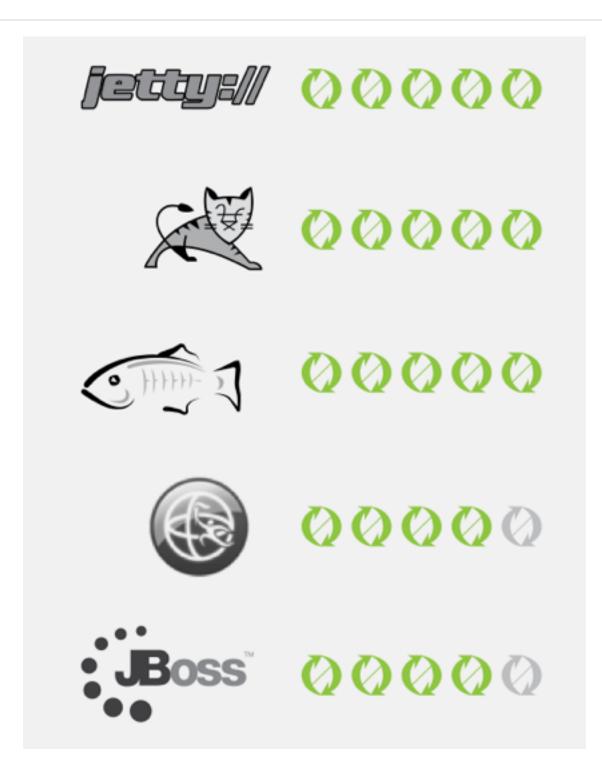
ADMIN & MANAGEMENT/UI



COST & LICENSING

SERVER	LICENSE	PRODUCTION	DEVELOPMENT	COMMERCIAL SUPPORT		
Jetty	Apache 2.0 / EPL Free	Free	Free	No		
Tomcat	Apache 2.0	Free	Free	No		
JBoss AS	GNU LGPL	Free	Free	Yes (EAP)		
JBoss EAP	GNU LGPL	\$\$\$	Free	Yes		
GlassFish OSE	CDDL 1.1	Free	Free	OOPS!		
Oracle GlassFish Server	Commercial	\$\$\$	Free	Yes		
WAS Liberty Profile	WAS Liberty Profile Commercial \$		Free	Yes		

COST & LICENSING

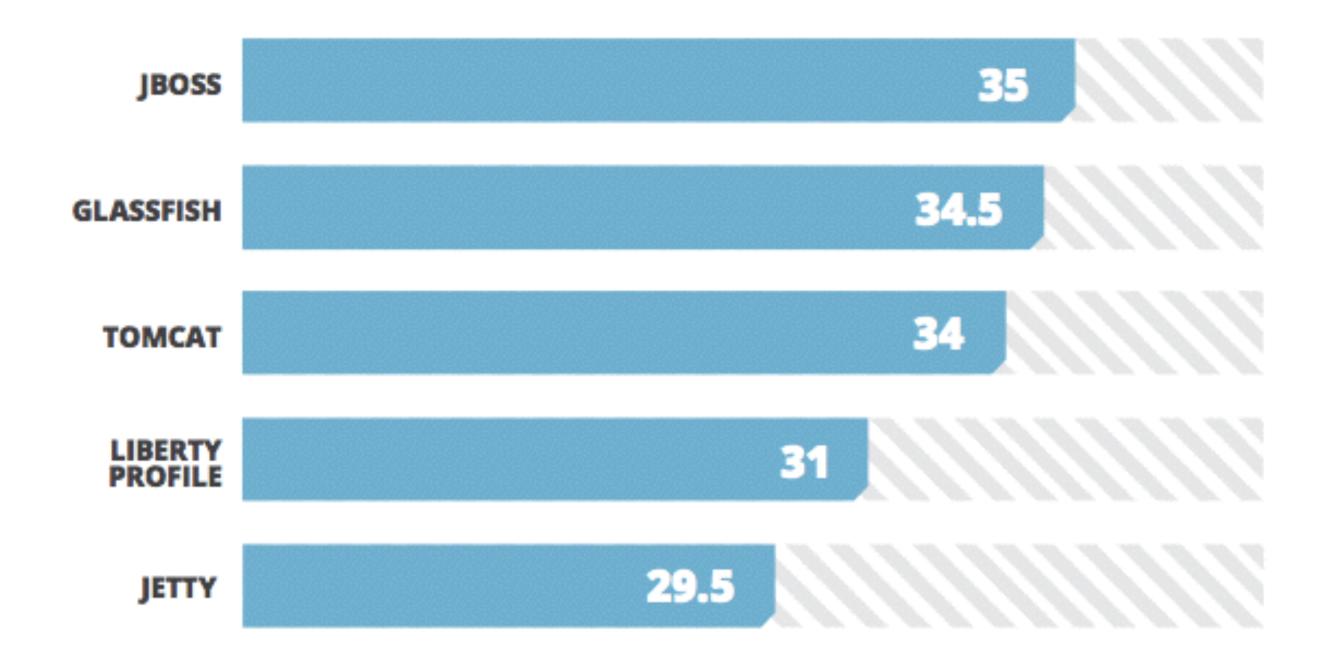




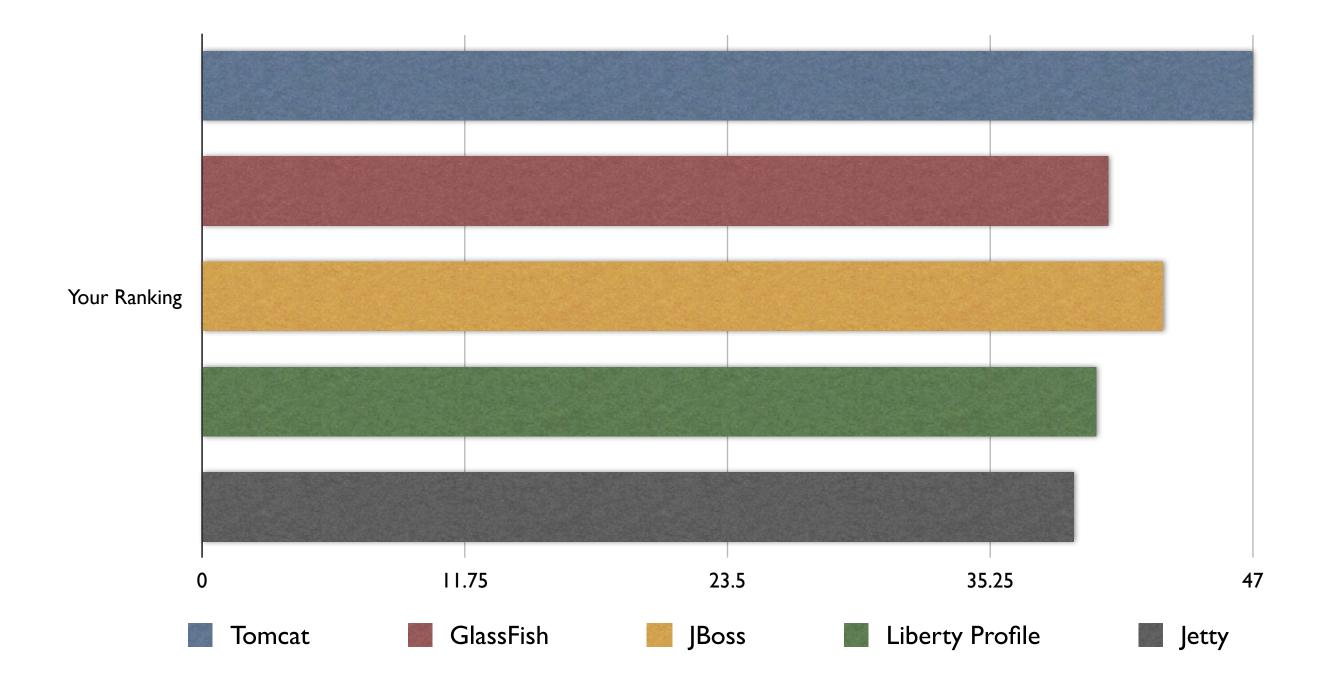
RESULTS

	LP	TC	GF	JETTY	JB
Download and Installation	4	5	3.5	5	4
Tooling support	4	4.5	4.5	3.5	4.5
Server Configuration	5	4	3	4	4
Real performance metrics	3.5	5	4.5	4	4.5
Features & Open Standards compliance	4	3	5	3	5
Documentation & community	3.5	5	4	3	4.5
Administration & Management/UI	3	2.5	5	2	4.5
Cost \$\$\$/Licensing	4	5	5	5	4
Total	31	34	34.5	29.5	35

RESULTS



WHAT DO YOU REALLY CARE ABOUT?



RebelLabs - rebellabs.org

THE GREAT JAVA APPLICATION SERVER DEBATE

TOMCAT, JBOSS, JETTY, GLASSFISH, LIBERTY PROFILE, WEBLOGIC & WEBSPHERE



FREE STUFF - BOOTH 8



FREE STUFF - ONLINE



bit.ly/tshirt-sjm



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