

play ▶

at

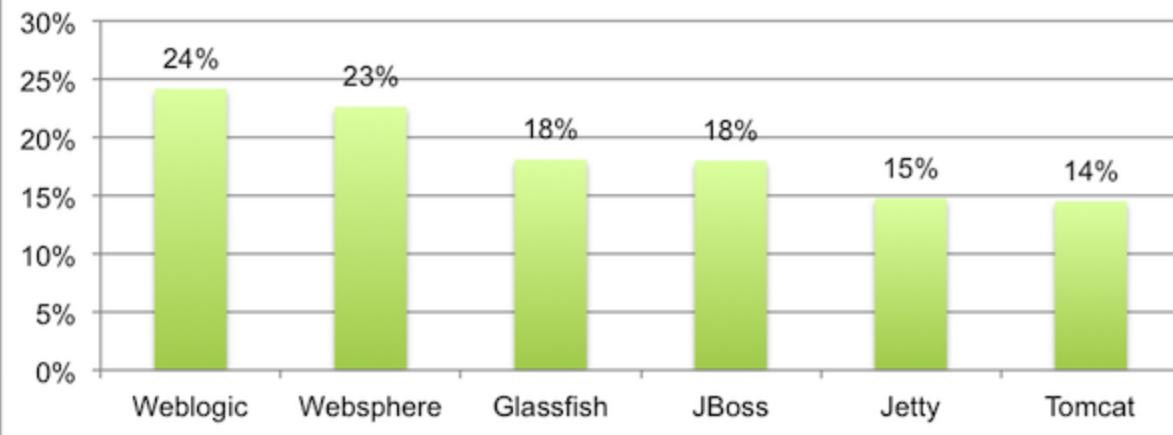


Productivity and Performance at Scale

You are a developer using Java to
build web services.

This is your life:

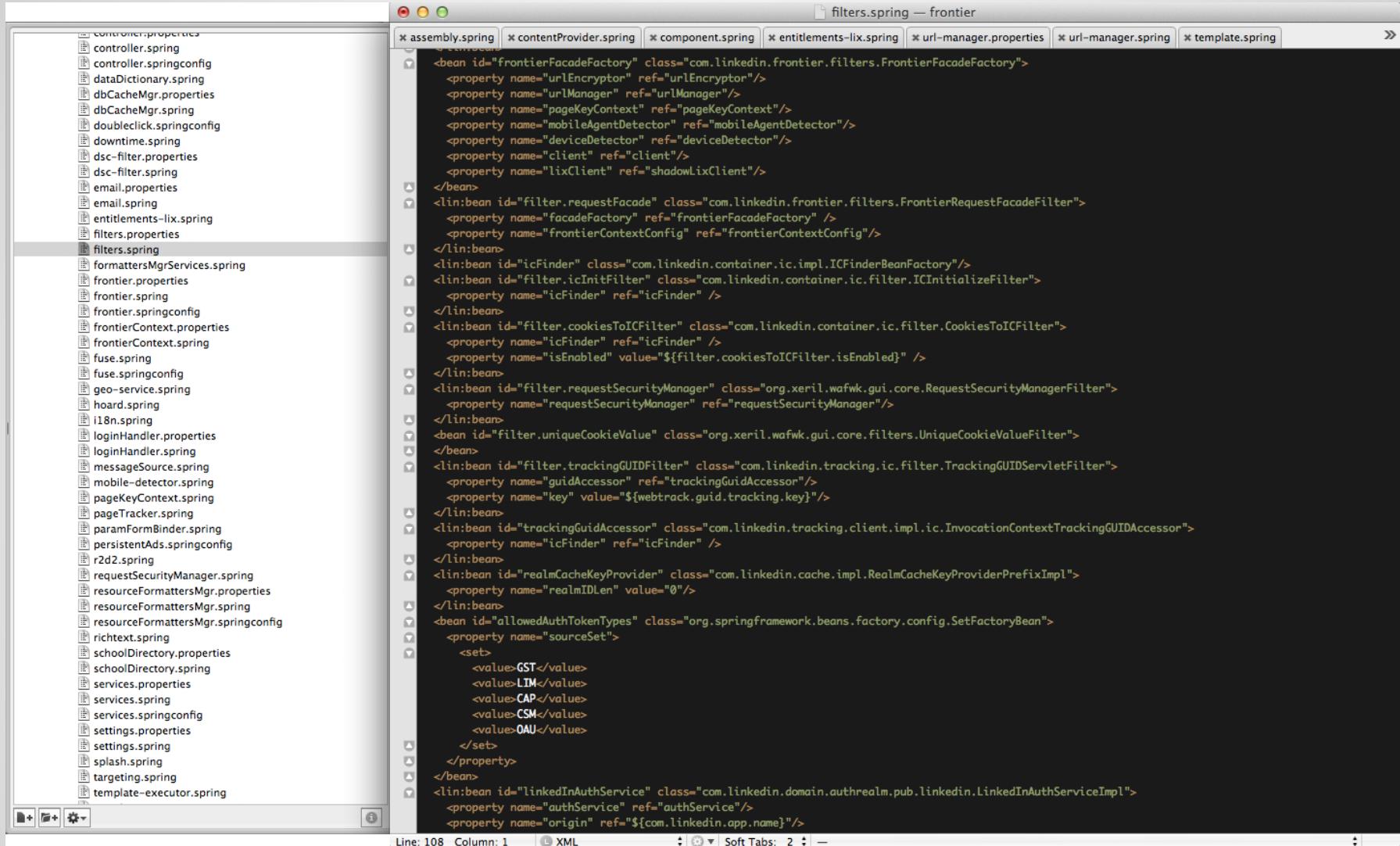
Percent of coding time spent redeploying



Waiting. [1]

```
network — jbrikman@ela4:/export/apps/cws-tomcat/i001/logs — ssh — 204x58
bash          jbrikman@ela4-a...ckend/i001/logs      bash          jbrikman@ela4-a...omcat/i001/logs
[jbrikman@ela4logs]$ tail -f catalina.out
May 28, 2013 7:06:28 AM org.apache.tomcat.util.http.Parameters processParameters
INFO: Invalid chunk starting at byte [207] and ending at byte [207] with a value of [null] ignored
2013/05/28 07:04:25.649 ERROR [ResponseGenerator] [http-12288-121] [cws] [GnchBVd4ILM0tfz8/vHEnv=] Uncaught exception
java.lang.reflect.InvocationTargetException
at sun.reflect.GeneratedMethodAccessor498.invoke(Unknown Source)
at com.linkedin.container.rpc.filter.FilterChainProxy.doinvoke(FilterChainProxy.java:58)
at org.xeril1.util.reflect.AbstractInvocationHandler.invoke(AbstractInvocationHandler.java:63)
at $Proxy21.read(Unknown Source)
at sun.reflect.GeneratedMethodAccessor68.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:597)
at org.springframework.aop.support.AopUtils.invokeJoinpointUsingReflection(AopUtils.java:309)
at org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:196)
at $Proxy20.read(Unknown Source)
at sun.reflect.GeneratedMethodAccessor62.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:597)
at org.springframework.remoting.support.RemoteInvocation.invoke(RemoteInvocation.java:285)
at org.springframework.remoting.support.DefaultRemoteInvocationExecutor.invoke(DefaultRemoteInvocationExecutor.java:38)
at org.springframework.remoting.support.RemoteInvocationBasedExporter.invoke(RemoteInvocationBasedExporter.java:78)
at org.springframework.remoting.support.RemoteInvocationBasedExporter.invokeAndCreateResult(RemoteInvocationBasedExporter.java:114)
at org.springframework.remoting.httpinvoker.HttpInvokerServiceExporter.handleRequest(HttpInvokerServiceExporter.java:74)
at com.linkedin.container.rpc.http.RpcServlet.processRequest(RpcServlet.java:217)
at com.linkedin.container.rpc.http.RpcServlet.service(RpcServlet.java:139)
at javax.servlet.http.HttpServlet.service(HttpServlet.java:820)
at org.mortbay.jetty.servlet.ServletHolder.handle(ServletHolder.java:511)
at org.mortbay.jetty.servlet.ServletHandler.handle(ServletHandler.java:401)
at org.mortbay.jetty.security.SecurityHandler.handle(SecurityHandler.java:216)
at org.mortbay.jetty.servlet.SessionHandler.handle(SessionHandler.java:182)
at org.mortbay.jetty.handler.ContextHandler.handle(ContextHandler.java:766)
at org.mortbay.jetty.webapp.WebAppContext.handle(WebAppContext.java:450)
at com.linkedin.enveb.ContextBasedHandlerImpl.handle(ContextBasedHandlerImpl.java:87)
at com.linkedin.enveb.MapBasedHandlerImpl.handle(MapBasedHandlerImpl.java:453)
at org.mortbay.jetty.handler.HandlerCollection.handle(HandlerCollection.java:114)
at org.mortbay.jetty.handler.HandlerWrapper.handle(HandlerWrapper.java:152)
at org.mortbay.jetty.Server.handle(Server.java:326)
at org.mortbay.jetty.HttpConnection.handleRequest(HttpConnection.java:542)
at org.mortbay.jetty.HttpConnection$RequestHandler.content(HttpConnection.java:945)
at org.mortbay.jetty.HttpParser.parseNext(HttpParser.java:756)
at org.mortbay.jetty.HttpParser.parseAvailable(HttpParser.java:218)
at org.mortbay.jetty.HttpConnection.handle(HttpConnection.java:404)
at java.lang.reflect.Method.invoke(Method.java:597)
... 19 more
Caused by: java.lang.NullPointerException
at org.springframework.remoting.support.RemoteInvocationUtils.fillInClientStackTraceIfPossible(RemoteInvocationUtils.java:47)
at org.springframework.remoting.support.RemoteInvocationResult.recreate(RemoteInvocationResult.java:115)
at org.springframework.remoting.support.RemoteInvocationBasedAccessor.recreateRemoteInvocationResult(RemoteInvocationBasedAccessor.java:85)
at org.springframework.remoting.httpinvoker.HttpInvokerClientInterceptor.invoke(HttpInvokerClientInterceptor.java:148)
at com.linkedin.container.rpc.RpcServiceImporter.invoke(RpcServiceImporter.java:148)
at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:172)
at org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:202)
at $Proxy97.read(Unknown Source)
at sun.reflect.GeneratedMethodAccessor326.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:597)
at com.linkedin.util.MethodInvocationTrackerProxy.invoke(MethodInvocationTrackerProxy.java:104)
at $Proxy98.read(Unknown Source)
```

tail -f logs/catalina.out



XML soup

`org.springframework.aop.framework`

Class AbstractSingletonProxyFactoryBean

`java.lang.Object`

 └ `org.springframework.aop.framework.ProxyConfig`

 └ `org.springframework.aop.framework.AbstractSingletonProxyFactoryBean`

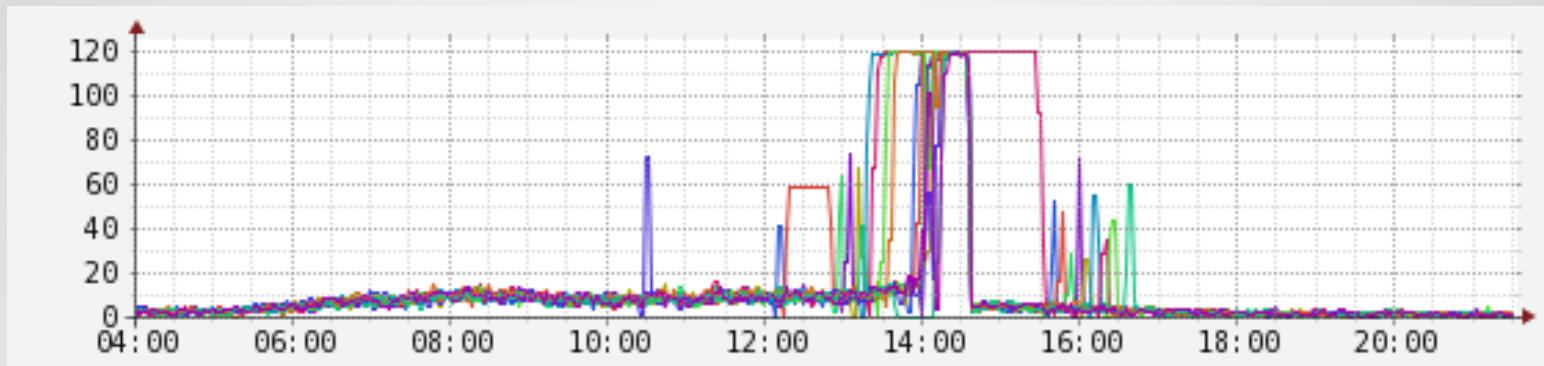
`public abstract class AbstractSingletonProxyFactoryBean`

`extends ProxyConfig`

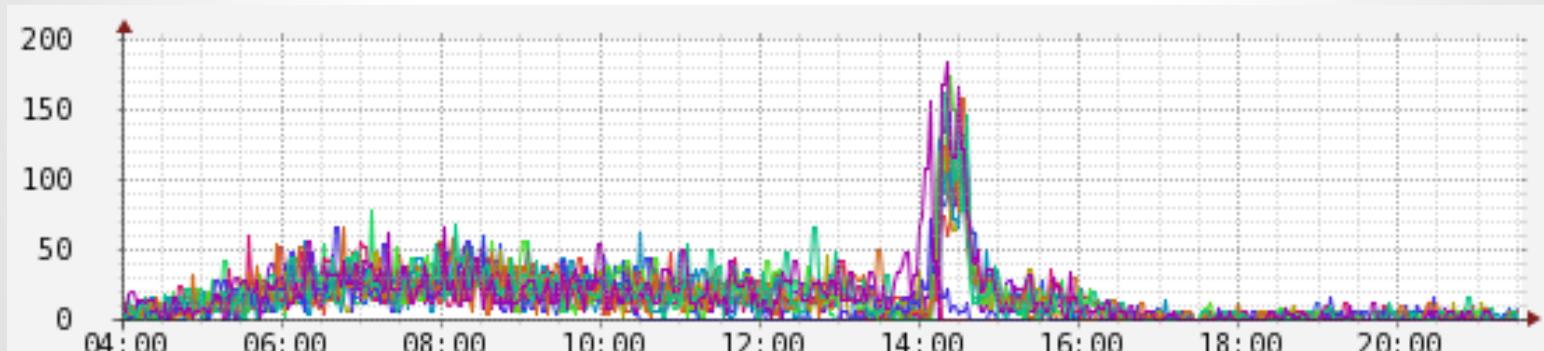
`implements FactoryBean, BeanClassLoaderAware, InitializingBean`

Convenient proxy factory bean superclass for proxy factory beans that create only singletons.

"Convenient proxy factory bean superclass for proxy factory beans that create only singletons." [2]



Thread pool usage



Latency

Thread pool hell



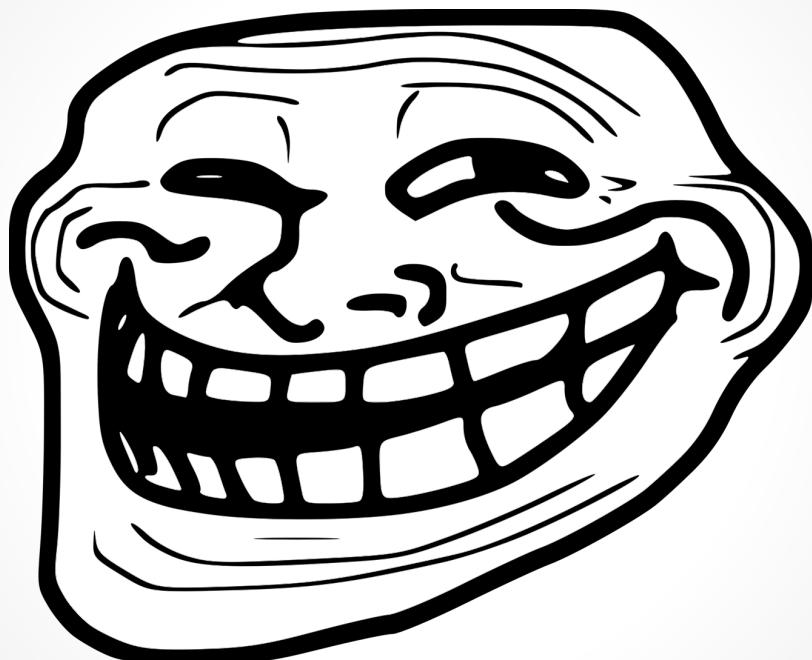
**I had a problem so I
thought to use Java**

Now I have a ProblemFactory

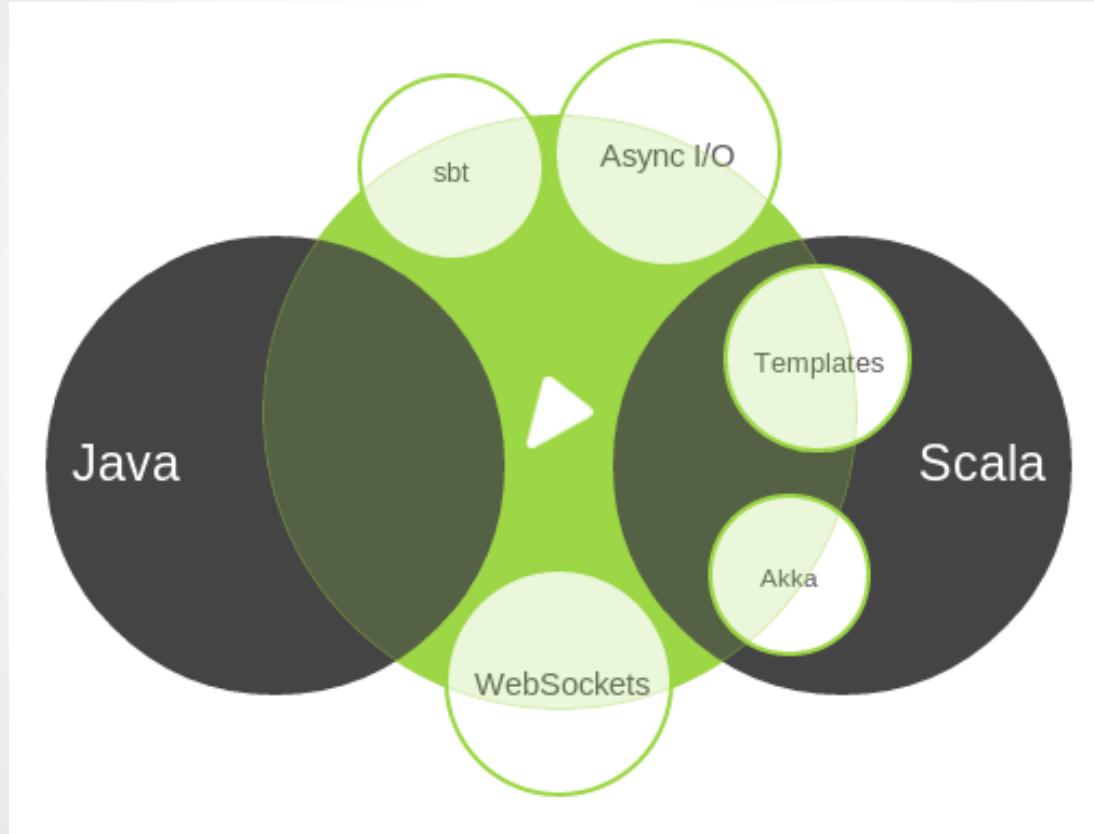
There is a better way.



Ruby on Rails!



Nah, just kidding. We have real work to do.



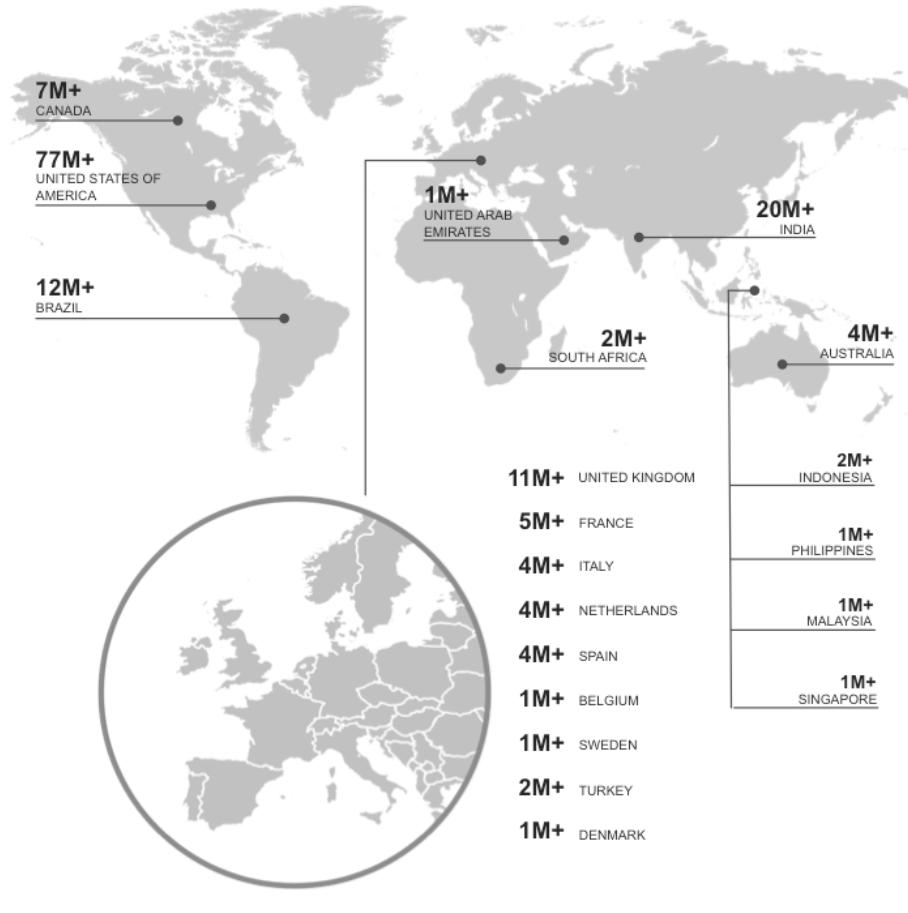
A modern web framework for Java and Scala



The world's largest professional network

225,000,000+

REGISTERED MEMBERS





at



We've been using Play in production for
more than 6 months [3]