**Environment Setup**

**Prerequisites**

1. Tortoise SVN
2. IntelliJ (or any other appropriate IDE)
3. JBoss-as-7.1.1
4. Java 🡪 JDK 1.6
5. Maven
6. JRebel
7. FileZilla

**Java Branch**

1. Source Code
   1. Check out the repository from svn://cm4.zawya.com/svn/java/trunk/ZawyaContent
   2. Make sure you are connected to Citrix VPN
2. In your IDE, make sure your project is using JDK 1.6
3. Update jBossWebVirtualHost in filter\_local.properties under ZawyaContent\src\main\filters as shown below
   1. jBossWebVirtualHost=local.zawya.com
4. Code architecture is divided as follows as per MVC:
   1. Controllers
   2. Facades
   3. Services
   4. DAO (Database Layer)
5. Projects Indexing on ES is done using this branch
6. Data for each project can be retrieved using the ElasticSearchController.java class as such
   1. http://local.zawya.com/es/fetchFrom/{type}/{id}
   2. e.g http://local.zawya.com/es/fetchFrom/project /2408914075552
7. The link above calls the corresponding method which retrieves the project data from Database
8. This data is then inserted to ES using an already defined ES river
9. Data is also inserted to ES from several different backends and CMS

**JBoss Configuration**

1. Check out from svn://cm4.zawya.com/svn/businesspulse/jboss-as-7.1.1.Final
   1. Make sure you are connected to Citrix VPN
2. Update your hosts file to include the below
   1. 127.0.0.1 local.zawya.com
3. In your standalone.xml, add the following virtual server
   1. <virtual-server name="local.zawya.com" default-web-module="ZawyaContent-1.0.0"/>
   2. Under datasources >> drivers, add the following driver
      1. <driver name="ojdbc6" module="com.oracle.db"/>

**Environments**

1. DEV2
   1. The DEV environment is used during the development phase. All work prior to QA testing and live deployment can be tested by developers on this environment.
   2. For the ColdFusion branch, files are updated on the DEV2 server using FileZilla
      1. Directory on DEV2 for ColdFusion is /software/zawya/
      2. You can connect to DEV2 using the host 10.0.0.12
   3. For the Java branch, SVN is used to commit and update the code on DEV2
   4. TRP CMS can be accessed on DEV2 using dev2.zawya.com e.g. <http://dev2.zawya.com/admin/projects/default.cfm?projectid=240914075552>
2. UAT1
   1. Once an issue is ready to be tested by QA, issue is then deployed to UAT environment – This is the testing environment prior to staging/live deployment
   2. For the ColdFusion branch, files are updated on the UAT1 server using FileZilla
      1. Directory on UAT1 for ColdFusion is /software/zawya/
      2. You can connect to UAT1 using the host 10.0.0.22
   3. For the Java branch, SVN is used to commit and update the code on UAT1
   4. TRP CMS can be accessed on UAT1 using uat1.zawya.com e.g. <http://uat1.zawya.com/admin/projects/default.cfm?projectid=240914075552>