## LRS PROJECT SETUP GUIDE

**1. Pre-requisite and Setup**

1. Install JDK 1.7
   1. <http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html>
   2. Set JAVA\_HOME
   3. set Env path variable.
2. Install Eclipse
   1. <http://www.eclipse.org/downloads/download.php?file=/technology/epp/downloads/release/kepler/SR2/eclipse-jee-kepler-SR2-win32-x86_64.zip>
3. Install Maven 3.2.1
   1. <http://maven.apache.org/download.cgi>
   2. set Env path variable.
4. Install Tomcat 7
   1. <http://tomcat.apache.org/download-70.cgi>
   2. Set CATALINA\_HOME path as “C:\apache-tomcat-7.0.54”
   3. Set % CATALINA\_HOME%\bin in Path.
5. Install MongoDB
   1. <http://www.mongodb.org/downloads>
   2. set Env path
6. Install My Sql 5.6.17
   1. <http://www.filehorse.com/download-mysql-64/>
7. Install Mysql workbench
   1. <http://www.mysql.com/products/workbench/>
   2. mysql-installer-community-5.6.23.0
8. Install GitHub
   1. <https://windows.github.com/>
   2. <http://msysgit.github.com/>
9. Download and install Node JS for client
10. <http://nodejs.org/download/>
11. Set Env path.

2. CODE CHECKOUT

1. Checkout code from github.
   1. Server side code
   2. Client side code
2. Import the server project in eclipse.
3. Create two schema in mysql Workbench:
4. Open mysql workbench.
5. Click on (+) icon given beside MySQL Connection.
6. Give name “local” to the Connection Name. Click ok.
7. Do double click on the connection which is created.
8. In the SCHEMAS section in the left side, do right click and create two new schemas.
9. Name the first one as “lrsadmin\_test” and second one as “lrs\_connect\_dev”
10. Change properties path in

(E:\LRS\amit\lrsadmin\lrs-admin\src\main\resources\project.dev.properties) To -branding.brandHost=file:///E:/LRS/amit/lrsadmin/lrs-admin-web/src

1. Run mvn command to install dependencies and build project.

E:\LRS\lrsadmin-master\lrsadmin-master\<Server Code>\lrsadmin >mvn clean install -Pdev –DskipTests .

1. Change context.xml file in Tomcat conf directory(C:\apache-tomcat-7.0.54\conf)

* Change <Context> to <Context allowLinking="true">.
* Add resource inside the context. Paste below resource definition in the context.

*<Resource name="jdbc/lrs\_dev\_db" auth="Container" type="javax.sql.DataSource"*

*maxActive="10" maxIdle="10" maxWait="10000"*

*username="root" password="" driverClassName="com.mysql.jdbc.Driver"*

*url="jdbc:mysql://localhost:3306/lrs\_connect\_dev"/>*

1. Create OPENSHIFT\_DATA\_DIR env variable and copy stormpath.apiKey.properties file at %OPENSHIFT\_DATA\_DIR% directory.
2. For running client for the first time. Go to directory (E:\LRS\pratik<clent>\lrsadmin\lrs-admin-web) run following command from command line installer.

npm install && npm install grunt –g && npm install grunt-cli.

1. Run following command

node\_modules\.bin\grunt

1. Go to the Tomcat webapps folder and delete ROOT directory if present.
2. Create WebLinks. Go to “apache\webapps” directory and run following command line command.

For windows: mklink /D ROOT E:\LRS\pratik\lrsadmin\lrs-admin-web\src

For UNIX based: ln -s E:\LRS\pratik\lrsadmin\lrs-admin-web\src ROOT

**Message after this command will be like**

Symbolic link created for ROOT <<===>> E:\LRS\pratik\lrsadmin\lrs-admin-web\src

1. Go to the client code directory (E:\LRS\pratik\lrsadmin\lrs-admin-web\src) run following command line code.

For windows: mklink /D WEB-INF E:\LRS\amit\lrsadmin\lrs-admin\target\lrs-admin-2.0-SNAPSHOT\WEB-INF.

For UNIX: ln -s E:\LRS\amit\lrsadmin\lrs-admin\target\lrs-admin-2.0-SNAPSHOT\WEB-INF WEB-INF

**Message after this command will be like**

symbolic link created for WEB-INF <<===>> s E:\LRS\amit\lrsadmin\lrs-admin\target\lrs-admin-2.0-SNAPSHOT\WEB-INF

1. Start mongodb database via commandline and set path for database
   1. Mongod –dbpath=E:\LRS\data\db
2. Start mysql.
3. Start Tomcat by navigating to bin directory of Tomcat and run following command.

catalina jpda start

1. Go to <http://localhost:8080/> to see LRS Admin Page.

➔ If below error comes

|  |
| --- |
| 2014-09-09 13:18:31,558 [http-bio-8080-exec-4] ERROR net.pager.lrs.controller.v3.ControllerErrorHand  lerV3 - Brand 'default' localized in 'en' not found.  java.lang.IllegalArgumentException: Brand 'default' localized in 'en' not found. |

Then update properties file and set proper branding.brandHost and do lrs-admin build again

E:\LRS\Sprint22\lrsadmin\lrs-admin>mvn clean install –Pdev –DskipTests=true

➔ To setup eclipse class path etc from command prompt.

*E:\LRS\Sprint23\lrsadmin>mvn eclipse:clean eclipse:eclipse*

* How to run java migration. Make sure you have followed step 9.

|  |
| --- |
| go to lrs-migration folder  run mvn compile  then run  mvn exec:java -Dexec.args="project.dev.properties" |

➔ FYI

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| Welcome to Git (version 1.9.4-preview20140611)  sunils@ULTP\_174 ~  $ cd e:  sunils@ULTP\_174 /e  $ cd LRS/Sprint23  sunils@ULTP\_174 /e/LRS/Sprint23  To get master copy  $ git clone https://github.com/aghorpade/lrsadmin.git  Cloning into 'lrsadmin'...  Username for 'https://github.com': sunilsavalia  Password for 'https://sunilsavalia@github.com':  To check list of branches  $ cd lrsadmin/  sunils@ULTP\_174 /e/LRS/Sprint23/lrsadmin (master)  $ git branch -a  \* master  remotes/origin/HEAD -> origin/master  ….  remotes/origin/lrs-connect-v2.1\_Sprint23  ….  $ git checkout lrs-connect-v2.1\_Sprint23  Branch lrs-connect-v2.1\_Sprint23 set up to track remote branch lrs-connect-v2.1\_Sprint23 from origin  .  Switched to a new branch 'lrs-connect-v2.1\_Sprint23'  sunils@ULTP\_174 /e/LRS/Sprint23/lrsadmin (lrs-connect-v2.1\_Sprint23)  To get updates  $ git pull  To get updates and override the local changes  $ git reset --hard HEAD (or any other branch)  To check history  $ gitk  To add individual file  $ git add lrs-admin/src/main/java/net/pager/lrs/util/USStateAndTerritoryCode.java  To check local changes  $ git status  On branch lrs-connect-v2.1\_Sprint24  Your branch is up-to-date with 'origin/lrs-connect-v2.1\_Sprint24'.  Changes to be committed:  (use "git reset HEAD <file>..." to unstage)  modified: lrs-admin/src/main/java/net/pager/lrs/util/USStateAndTerritoryCode.java  Changes not staged for commit:  (use "git add <file>..." to update what will be committed)  (use "git checkout -- <file>..." to discard changes in working directory)  modified: lrs-admin/src/main/resources/project.dev.properties  Untracked files:  (use "git add <file>..." to include in what will be committed)  lrs-admin-web/npm-debug.log  lrs-admin-web/src/qunit.html  sunils@ULTP\_174 /E/LRS/Sprint24/lrsadmin (lrs-connect-v2.1\_Sprint24)  $ git commit -m "WEB-3062 update the state drop down to not include the Armed Forces selections"  [lrs-connect-v2.1\_Sprint24 3d2cd9a] WEB-3062 update the state drop down to not include the Armed For  ces selections  1 file changed, 1 insertion(+), 4 deletions(-)  sunils@ULTP\_174 /E/LRS/Sprint24/lrsadmin (lrs-connect-v2.1\_Sprint24)  $ git push origin lrs-connect-v2.1\_Sprint24  Username for 'https://github.com': sunilsavalia  Password for 'https://sunilsavalia@github.com':  Counting objects: 103, done.  Delta compression using up to 4 threads.  Compressing objects: 100% (8/8), done.  Writing objects: 100% (11/11), 812 bytes | 0 bytes/s, done.  Total 11 (delta 5), reused 0 (delta 0)  To https://github.com/aghorpade/lrsadmin.git  be9c222..3d2cd9a lrs-connect-v2.1\_Sprint24 -> lrs-connect-v2.1\_Sprint24  sunils@ULTP\_174 /E/LRS/Sprint24/lrsadmin (lrs-connect-v2.1\_Sprint24)   * Create a new branch from existing branch   sunils@ULTP\_404 /d/LRS/Sprint/lrsadmin (lrs-connect-v2.3\_Sprint42)  $ git checkout -b lrs-connect-v2.3\_client\_api  Switched to a new branch 'lrs-connect-v2.3\_client\_api'  sunils@ULTP\_404 /d/LRS/Sprint/lrsadmin (lrs-connect-v2.3\_client\_api)  $ git status  On branch lrs-connect-v2.3\_client\_api  nothing to commit, working directory clean  sunils@ULTP\_404 /d/LRS/Sprint/lrsadmin (lrs-connect-v2.3\_client\_api)  $ git push origin lrs-connect-v2.3\_client\_api  Username for 'https://github.com': sunilsavalia  Password for 'https://sunilsavalia@github.com':  Total 0 (delta 0), reused 0 (delta 0)  To https://github.com/aghorpade/lrsadmin.git  \* [new branch] lrs-connect-v2.3\_client\_api -> lrs-connect-v2.3\_client\_api  sunils@ULTP\_404 /d/LRS/Sprint/lrsadmin (lrs-connect-v2.3\_client\_api)  $ |

OpenShift commands

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| <https://www.openshift.com/>  #to check log  rhc tail testconnect --namespace lrsus  #to deploy war  rm -rf DEPLOY\_IMAGES && ./build-image.sh 2.2.2-SNAPSHOT testconnect |