METCS673

PLM - Project Lifecycle Management

Usage Guide

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1 Installation

1.1 Requirements

The following software packages are used for building and deploying:

- Java 6
- Apache Tomcat 7
- MySQL 5
- MySQL JDBC connector
- Apache Ant

The MySQL JDBC connector may need to be installed to the tomcat lib directory rather than the java directory. All other packages may be installed normally.

If your installation procedure does not set the following environment variables, you may need to set them manually:

- CATALINA_HOME
- CATALINA_BASE

For running test cases you will need to install the following jars for JUnit4 into your ANT_HOME directory:

- junit.jar
- hamcrest-core.jar

For more information, see: https://github.com/junit-team/junit/wiki/Download-and-Install

1.2 Building and Deploying

To build and deploy, run the following commands from the root of the project:

```
cd services
ant
cp dist/plm.war ${CATALINA_BASE}/webapps/plm.war
ant clean
```

You may also need to delete the plm directory under webapps and restart the tomcat server for the changes to be loaded.

1.3 Testing

To run the test cases for the service code, run the following commands from the root of the project:

```
cd services
ant test
```