

Installation Guide

This is a brief guide describing how to install the Settle Workforce Management application.

For Settle v0.4

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Prerequisite Software

The following software is required to be set up and installed in your local environment. This setup has been tested on both Windows XP, Suse Linux 9.1 and higher, and various RedHat Fedora versions.

- Java 1.4.2 (Any java 1.4 or higher JRE should work equivalently well).
- Tomcat 5.0 (Other servlet containers should work with minor modifications, although not regularly tested).
- Mysql 4.0 (Due to use of Hibernate, other databases should work, if database creation script is ported, and Hibernate configuration is changed)

Installation

Perform the following steps.

1. Download latest version of Settle software from Sourceforge.net project page.
http://prdownloads.sourceforge.net/settle/settle_v04.zip?download
2. Expand the `settle_v04.zip` file, retrieve the application file `settle.war`, along with the database directory containing database install scripts.
3. Create an appropriate mysql database user. For example, the steps below will create a mysql user 'scott', password 'tiger', as follows.

```
GRANT ALL PRIVILEGES ON *.* TO scott@localhost IDENTIFIED BY 'tiger' WITH
GRANT OPTION;
GRANT ALL PRIVILEGES ON *.* TO scott@'%' IDENTIFIED BY 'tiger' WITH GRANT
OPTION;
```

4. Connect to mysql, and run script `database/recreateDB.sql`. (Mysql command is 'source `recreateDBWithSampleData.sql`'). You may want to edit the script first, so that the default database name of `SettleTest` is not used.
5. Open or extract WAR file `distribution/settle.war` using any ZIP file utility. (7zip will allow you to edit the archive directly without extracting.) Edit file `WEB-INF/applicationContext-persistence-hibernate.xml` so that the database connection information is correct for your environment. Relevant section is shown below, highlighted values must be set correctly for your MySQL install..

```
<bean id="dataSource"
    class="org.springframework.jdbc.datasource.DriverManagerDataSource">
    <property name="driverClassName">
        <value>com.mysql.jdbc.Driver</value>
    </property>
    <property name="url">
        <value>jdbc:mysql://127.0.0.1:3306/SettleTest</value>
    </property>
    <property name="username">
```

```
        <value>scott</value>
    </property>
    <property name="password">
        <value>tiger</value>
    </property>
</bean>
```

6. Configure file `WEB-INF/classes/log4j.xml` so that logging is set up appropriately for your environment. Typical is to set up a Rolling Log File, by uncommenting the `ROLLINGFILE` appender as shown below. You may also want to comment out the `CONSOLE` appender for a server install.

```
<root>
  <appender-ref ref="CONSOLE"/>
  <appender-ref ref="ROLLINGFILE"/>
  <!--appender-ref ref="JDBC"/-->
  <!--appender-ref ref="DAILYFILE"/-->
  <!--appender-ref ref="FILE"/-->
  <!--appender-ref ref="SMTP"/-->
  <!--appender-ref ref="SYSLOG"/-->
  <!--appender-ref ref="JMS"/-->
</root>
```

7. Deploy WAR file into the Tomcat `webapps` directory, start Tomcat. Browse to URL <http://localhost:8080/settle/>, and enter user 'admin', password 'admin'. You should be able to navigate to the Settle main page and all applications. See the Users Guide for details on using and administering Settle.