XService Workflow Engine Installing Guide

This guide introduces the installing of the XService Workflow Engine.

Installing of JAVA

To run the XService Workflow Engine a java SDK is needed. The most recent version has been tested using the 1.4.1 SDK. Java SDK can be get from http://www.sun.com/. After installation ,the environment variable %JAVA_HOME% should define the top-level Java directory, like C:\j2sdk1.4.2_06.

Installing Database

The installing of a database is a better choice ,though this is optional ,and XService Workflow Manager can get more information. The most recent version has been tested by MySQL5.0,which can be get from http://www.mysql.com/

DownLoading the Engine

The most recent version of XService Workflow Engine can be downloaded from the download page. You will have a choice of downloading either xservice-workflow-engine-version-type.zip file or xservice-workflow-engine-version-type.tar.gz file. Both archives contain the same files. *Version* is a version number like "2.1". *Type* is one of "src" (source), "bin" (binaries), or "all" (source and binaries).

Extract the distribution from the archives using your favorite command line or GUI tools, like winzip or winrar. Doing so will create a directory named xservice-workflow-engine-version. You may create, rename, or move this directory anywhere you wish. For the rest of this document, this directory simply called " xservice-workflow-engine

Creating Tables of the Database

Run xservice-workflow-engine-db.sql scripts ,which is contained in xservice-workflow-engine\databas , at the database client. And the database tables needed by the XService Workflow Engine can be automatically created in the database

Configging The Engine

Configuration files are saved at   xservice-workflow-engine\conf\server.conf. It can
be edited by text editor.

The listening port of the engine is 8091. In need, this value can be modified in the
configuration file, like:

```
<protocol name="http" version="1.1" class="…" enabled="true">

        <socket port="8091" acceptCount="100"/>

</protocol>
```

If the database and workflow engine are installed on different machines ,the
configuration file should be modified like:

```
<DataBase valid="…">

    <Driver>com.mysql.jdbc.Driver</Driver>

    <DBaddress> jdbc:mysql://localhost:3306/workflow</DBaddress>

    <DBUser>root</DBUser>

  <DBPWD></DBPWD>

</DataBase>
```

valid:To startup the database by setting the value as "true", and prohibit by "false";

Driver: The driver of the database .The JAR package for the driver should be
distributed under directory: xservice-workflow-engine\lib

DBaddress: Address of the database

DBUser: User name of the database

DBPWD: Password of the database

Starting the Engine

If the type of downloaded archives is "bin" or "all",run startup.bat which is deployed
at directory : xservice-workflow-engine to start the XService Workflow Engine ,like:

```
C:\> cd \xservice-workflow-engine
C:\ xservice-workflow-engine> startup.bat
```

If the type of downloaded archives is "src", the source code should be compiled using
ANT first. Then run startup.bat to start the workflow engine ,like:

```
C:\> cd \xservice-workflow-engine

C:\ xservice-workflow-engine> ant –buildfile build.xml jar

C:\ xservice-workflow-engine> startup.bat
```