

# XService Workflow Manager Installing Guide

This document introduce the deploying of the XService Workflow Manager

## Installing JAVA

To run the Monitor Management Tool 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 installation of a database is a better choice ,though this is optional ,and more information about adminstration of wokflow engine can be get. The most recent version has been tested by MySQL5.0,which can be get from <http://www.mysql.com/>.

## Installing Tomcat

Monitor Management Tool uses Tomcat as Web server. You should download and setup tomcat from <http://jakarta.apache.org/tomcat>. The Tomcat recommended is Tomcat 5.0, which is suggested to use 8980 as its port. Change tomcat\conf\server.xml, From

```
<Connector port="8080" maxThreads="150" minSpareThreads="25"
maxSpareThreads="75"
    enableLookups="false" redirectPort="8443" acceptCount="100"
    debug="0" connectionTimeout="20000" disableUploadTimeout="true" />
```

TO:

```
<Connector port="8980" maxThreads="150" minSpareThreads="25"
maxSpareThreads="75"
    enableLookups="false" redirectPort="8443" acceptCount="100"
    debug="0" connectionTimeout="20000" disableUploadTimeout="true" />
```

## DownLoading Monitor Management Tool

The most recent version of Monitor Management Tool can be downloaded from the download page.

## Creating Tables of the Database

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

## Configging Monitor Management Tool

Configuration files are saved at XService Workflow Manager\conf\server.conf. It can be edited by text editor.

If the database and Monitor Management Tool are installed on different machines ,the configuration file should be modified like:

```
<?xml version="1.0" encoding="GB2312"?>
<servers>
<WorkflowEngine>
<name>workflow</name>
<address>http://localhost:8091/SystemInfo</address>
<Driver>com.mysql.jdbc.Driver</Driver>
<DBaddress>jdbc:mysql://localhost:3306/workflow</DBaddress>
<DBUser>root</DBUser>
<DBPWD></DBPWD>
```

DBaddress: Address of the database

DBUser: User name of the database

DBPWD: Password of the database.(No use of encrypting)

## Deploying Monitor Management Tool

If user download XService Workflow Manager in the form of “bin”, put XService\_Workflow\_Manager.war into Tomcat’ webapp and then restart Tomcat server.

If user If user download XService Workflow Manager in the form of “src”, you are supposed to compile sourcecode with ANT. First, user should modify tomcat path in the file called build.properties in src as follows:

tomcat.home=C:/Program Files/Apache Software Foundation/Tomcat 5.0

webapps.home=C:/Program Files/Apache Software Foundation/Tomcat 5.0/webapps

Change path in the equitation which is underlined into user’ s local path for tomcat and tomcat’ s webapps.

Then compile and war with ANT, which makes war and put it into tomcat’ s webapps.

```
C:\XService Workflow Manager> ant
```

## Staring Monitor Management Tool

Input [http://localhost:8980/XService\\_Workflow\\_Manager/](http://localhost:8980/XService_Workflow_Manager/)  
in web browser

(change localhost to your actual IP)

Input ID and password to enter XService Workflow Manager.