

kbeeworkflow

Installation Manual



kbee.workflow Installation Manual

Document properties

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kbee.workflow

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1. Introduction

This present paper explains how to install **kbee.workflow server** and **kbee process designer**.

Both components are included in the file **kbee-workflow.zip**. The first step is downloading and decompacting the file to a local directory. Said directory will be herein referred to as **DIR_DISTRIB**.

2. kbee.workflow server

1.1 Requirements

Tomcat 6.0 and a PostgreSQL database engine are required to be installed and running in order to install **kbee.workflow server**.

kbee.workflow server can be easily installed on another **Servlet Container** or **Application Server**; it can also migrate to another database engine (see Other installations).

1.2 Installing Postgres database

2.1.1 Create database

An enabled user should execute the following command:

```
createdb -E utf8 mibase
```

2.1.2 Restore distributed database

The user should execute the following command:

```
psql mibase -f DIR_DISTRIB/server/db/kbee-workflow-db.sql
```



2.2 Installing the application on Tomcat 6

2.2.1 Installing Web Application

Copy the following folder: **DIR_DISTRIB/server/webapp/kbee-workflow** to directory: **TOMCAT_HOME/webapps**.

2.2.2 Data Source configuration

In the file **TOMCAT_HOME/webapps/kbee-workflow/META-INF/context.xml** verify the data-source- name, user and password are consistent to the database created in point 2.2.1.

2.3 Other Installations

To install **kbee.workflow** server on another Servlet Container or Application Server the following items should be considered:

2.3.1 JTA resource

It should be defined according to the rules and syntax of the application containing the JTA resource in the distributed database.

2.3.2 JNDI Names

In the file **DIR_DISTRIB/server/webapp/WEB-INF/classes/workflow.properties** verify the value of the following properties:

Petri-resource-name: JNDI name of defined JTA resource.

Transaction-manager-name: transaction manager JNDI name.

User-transaction-name: user transaction JNDI name.



3. kbee process designer

3.1 Requirements

Eclipse 3.2 or newer versions should be installed and running.

3.2 Plug-in Installation

Copy file: `DIR_DISTRIB/designer/com.novamens.workflow.designer_1.0.0.jar` to the Eclipse plug-in directory.

3.3 Configuring

En el home de el usuario (**Documents and Setting/nombre_de_usuario**) crear una carpeta de nombre **kbee-workflow** y a esta carpeta copiar el archivo

In the user's home (**Documents and Setting/nombre_de_usuario**) create a folder with the name: **kbee-workflow**; then copy file: `DIR_DISTRIB/designer/config.xml` to said folder.

The different data sources where process designer can create and edit procedures are specified in this file. As an example, the original file includes the following definitions:

```
<data-source>
  <name>Pruebas Locales</name>
  <class>com.novamens.workflow.designer.dataSource.FileSystemDataSource</class>
  <project>workflow</project>
  <config>
    <path>C:\temp</path>
    <storageFormat>com.novamens.workflow.designer.dataSource.PNMLStorageFormat</storageFormat>
  </config>
</data-source>
```

This definition registers a Data Source installed in the local directory in the **Designer** (In the example: `C:\temp`). The definition includes an element named **project** with a value that specifies the **project** Eclipse within the Workspace. The complementary files of the procedure can be found in said workspace (Java or, JSP sources, etc.). User can configure as many local data sources as necessary.

Definition:

```
<data-source>
  <name>Pruebas Http</name>
  <class>com.novamens.workflow.designer.dataSource.HttpDataSource</class>
  <project>workflow</project>
  <config>
    <url>http://localhost:8080/kbee-workflow/workflow</url>
    <storageFormat>com.novamens.workflow.designer.dataSource.PNMLStorageFormat</storageFormat>
  </config>
</data-source>
```



The above definition registers a data source with remote access through HTTP in the process designer. The url parameter should coincide with a web application of an installed **kbee.workflow server**. User can configure as many data sources of this type as necessary.