Bonita Workflow

Getting Started

BONITA WORKFLOW

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Bonita Workflow v3.0

Software

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Preface

This document provides the essential information for getting started with the Bonita Workflow software.

Chapter 1.New Features for Workflow

The following new functionality has been incorporated into Bonita Workflow **v3.0**:

- Bonita Workflow has been migrated to JOnAS 4.8.x series.
- Workflow versioning: multiple versions of the same workflow model can be deployed at the same time.
- The XFormEditor application is enhanced with new features such as the following:
  - Semantic web forms control
  - Support for integer, date, and password fields
  - Static enumerations internationalization
- The Workflow Console improvement includes the following:
  - Multiple versions of the same model can now be deployed.
  - Filtering of Workflow instances and activities from the operator profile has been added.
  - Deploy/undeploy operations replace hide/active operations.
- The ProEd application is now XPDL-schema compliant.
- The implementation of SubProcesses has been improved to enhance performance.

Chapter 2.Delivery Content

Bonita Workflow CD-ROM

|-ReleaseNotes.txt	//Contains the information of the last modifications of the Bonita Workflow package version.
|-Linux®	//Contains Bonita Workflow for Linux®.
|-Windows®	//Contains the Bonita Workflow executable for Windows®.

Table 2-1. Content of Bonita Workflow CD-ROM

Release notes

Chapter 3.Prerequisites

3.1 Software

- Bonita Workflow requires Java Development Kit (JDK) 1.4, but also runs with JDK 1.5 (also called JDK 5.0).
  Go to http://java.sun.com/j2se/1.4.2/ or http://java.sun.com/j2se/1.5.0/.
- Bonita Workflow requires JOnAS Application Server version 4.8.4 (or later).
  Go to http://jonas.objectweb.org/download/index.html.
- Bonita Workflow requires Jakarta ANT, version up to 1.6.4.
  Go to http://ant.apache.org/bindownload.cgi.

Download the latest JOnAS 4.8.x release build (JOnAS4.8.x-Tomcat5.5.1.7.exe for the Windows platform or jonas4.8.x-tomcat5.5.1.7.tgz for the Linux® platform).

Go to the JOnAS installation procedure:
(see http://jonas.objectweb.org/current/doc/howto/install_j2ee.html).

3.2 Hardware

A 1 GHz processor is recommended, with a minimum of 512 Mb of RAM. Windows users can avoid swap file adjustments and get improved performance by using 1 Gb or more of RAM.

Chapter 4.Installation Procedure

4.1 Linux Installation

First, copy the file Bonita_Workflow_3.0.tgz (which is on the Bonita Workflow CDROM in the Linux/ repository) to the hard Disk. Untar the archive with the command "tar zxvf Bonita_Workflow_3.0.tgz". This operation creates a repository named Bonita-Workflow_3.0 and representing *your_Bonita-Workflow_repository*.

- **Step 1**: Set JONAS_BASE environment variable to "$JONAS_ROOT/BSOA_base".
- **Step 2**: Set ANT_HOME environment variable to "*the_repository_where_you_installed_ANT*
- **Step 3**: Add to the PATH environment variable "*the_repository_where_you_installed_ANT*/bin".
- **Step 4**: Set BONITA_HOME environment variable to "*the_repository_where_you_installed_Bonita-Workflow*/bonita".
- **Step 5**: go to the directory where Bonita Workflow has been extracted and type "./install.sh".

4.2 Windows® Installation

To install the Bonita Workflow, first install ANT and JOnAS.

- **Step 1:** Make sure that the JONAS_ROOT and ANT_HOME environment variables are correctly set and that the PATH contains JAVA_HOME/bin, ANT_HOME/bin and JONAS_ROOT/bin/nt.
- **Step 2:** Then double click on "Bonita_Workflow_3.0.exe".

Chapter 5.Starting and Stopping Bonita Workflow

5.1 Linux®

To run Bonita Workflow, go to the directory where Bonita Workflow was extracted and type "./start.sh".

To stop Bonita Workflow, go to the directory where Bonita Workflow was extracted and type "./stop.sh"

5.2 Windows®

To run Bonita Workflow, go to the Start menu -> Programs -> Bonita Workflow, then click on “Bonita Workflow Start”.

To stop Bonita Workflow, go to the Start menu -> Programs -> Bonita Workflow, then click on “Bonita Workflow Stop”.

5.3 Accessing the Bonita Workflow Console

To access the Bonita Administration Console, connect to the following URL: **http://Your_Host:Your_HttpPort/jiapAdmin** (user: “*bsoa*”, password: “*bsoa*”). (Default: http://localhost:9000/jiapAdmin)

Chapter 6.Resource Checklist

This table shows the system resources used by Bonita Workflow:

Parameter	Default Value	Described in File
HTTP Host	localhost	Host name in which the Bonita Workflow server is installed.
HTTP Port Number	9000	The port where the JOnAS Application Server listens to HTTP requests.
JRMP Port	1999	RMI port used by external applications to get connections to the Bonita Workflow server.
JMS Port	16082	Port used by the internal JMS server (Joram).
DataBase	9001*	The HSQL Database is used by Bonita Workflow to store JOnAS authentication parameters. The HSQL database server listens on port 9001.

Table 6-1. System Resources Used by Bonita Workflow

*If the database (HSQL by default) is changed, the database must be reconfigured for Bonita Workflow.

To reconfigure:

- Modify the files "JONAS_BASE/conf/bonita.properties" and "JONAS_BASE/conf/jiapAdmin.properties" to reflect the new database. Remember to add the new JDBC driver in "JONAS_BASE/lib/ext".
- Then, to populate the database, start Bonita Workflow and execute "./initDB.sh" for Linux or "initDB.bat" for Window.

Chapter 7.Bonita Workflow Documentation

Refer to the following documentation for complete information about Bonita Workflow v3.0:

Getting Started (This document)

Bonita API

Development Guide

Process Console User's Guide