

# XService Workflow Manager Users Manual

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## 1 Introduction

### 1.1 Background

This task root in Nation 863 high science and technology plan “ Net environmental system software core technique and workbench” , its number is 2001AA113030.

### 1.2 Principles Introduction

Web services runtime Monitor Management Tool is a software program to monitor and manage Web Sercvices application server and Web Services workflow engine. In form, Monitor Management Tool, Web Sercvices application server and Web Services workflow engine are paratactic modules.

### 1.3 Design

#### 1.3.1 flow with users

Users enter this module by id examination to distinguish users with different popedom

Users monitor and manage with remote Monitor Management Tools with graphic interfaces

enter different flows according to different funtion

- monitor

examine Web Services, flow state and chararistics of transaction with graphic interface of monitor and management tool. Monitor Management Tool uses different interfaces to get the data and return its interface.

- Management

examine Web Services, flow state and characteristics of transaction with graphic interface of monitor and management tool. Monitor Management Tool uses different interfaces to get the data and return its interface.

Choose configuration needed and provide parameters to modify by examining and modifying system configuration, and then return its result to the interface.

Manage web services and flow instances lifecycle and transfer interface modification services or flow instances lifecycle and then return the result to the interface.

### **1.3.2 flow of program**

For management interfaces based on Web, execute according to the following flow:

1. users access related JSP with web browser
2. provide suitable result for different requests of users
3. return to users in suitable forms

## 2 Term and Abbreviation (Table)

Term and Abbreviation	Illumination
Web Services	Web Services is the interface which describes some operations that can be accessed by standard XML message transportation rules through network
Web Services application server	container to deploy and execute services
WfMS	consists of a groups of tools which provide workflow starting, workflow running and business process management and monitoring necessary supporting functions
Workflow Engine	The main purpose is to manage process, activity instance starting, running and destroying, invoking software tools; after a activity is destroyed, the engine invoke activity instance according to present state and business flow definition
SOAP	Simple Object Access Protocol

table 1 Term and Abbreviation

## 3 Usage

### 3.1 Introduction

Web services runtime Monitor Management Tools is a software program to monitor and manage Web Services application server and Web Services workflow engine. In form, Monitor Management Tool, Web Services application server and Web Services workflow engine are paratactic modules.

### 3.2 Steps to use

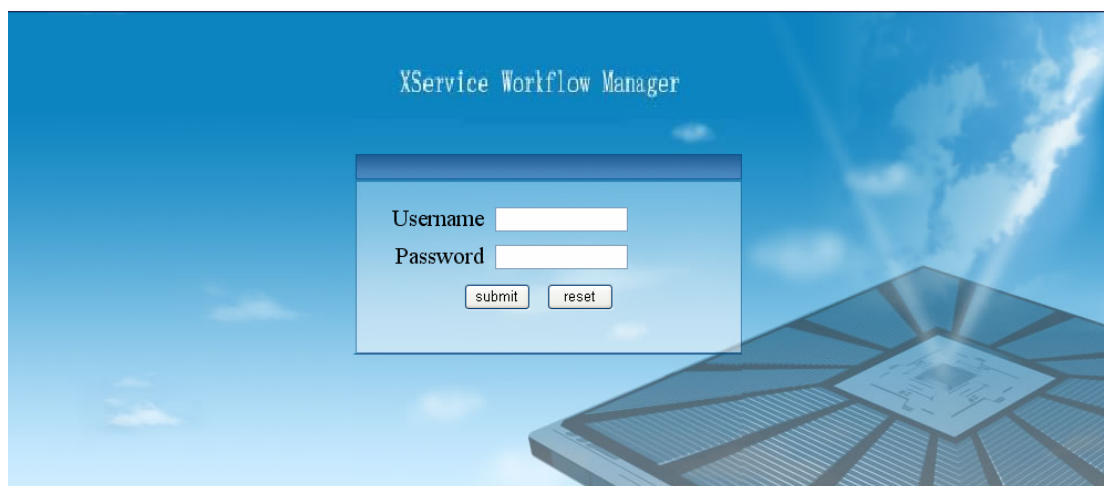
#### 3.2.1 Login model

##### 3.2.1.1 Introduction of login model

Administrators and users log in from login model in order to enter main page.

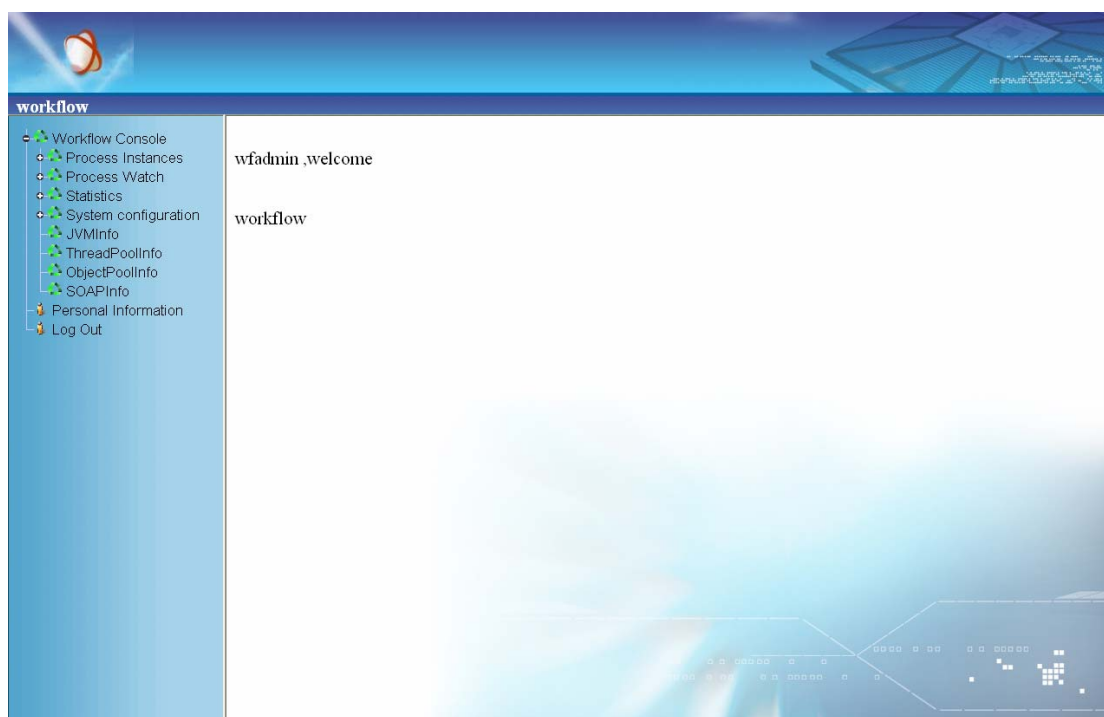
##### 3.2.1.2 Steps of service management model

1. login. Initial id and psw are:  
for administrator: id—config, psw—123456  
for user: id—wfadmin, psw--123456



Pic.1 login

## 2. Enter main page



Pic.2 main page

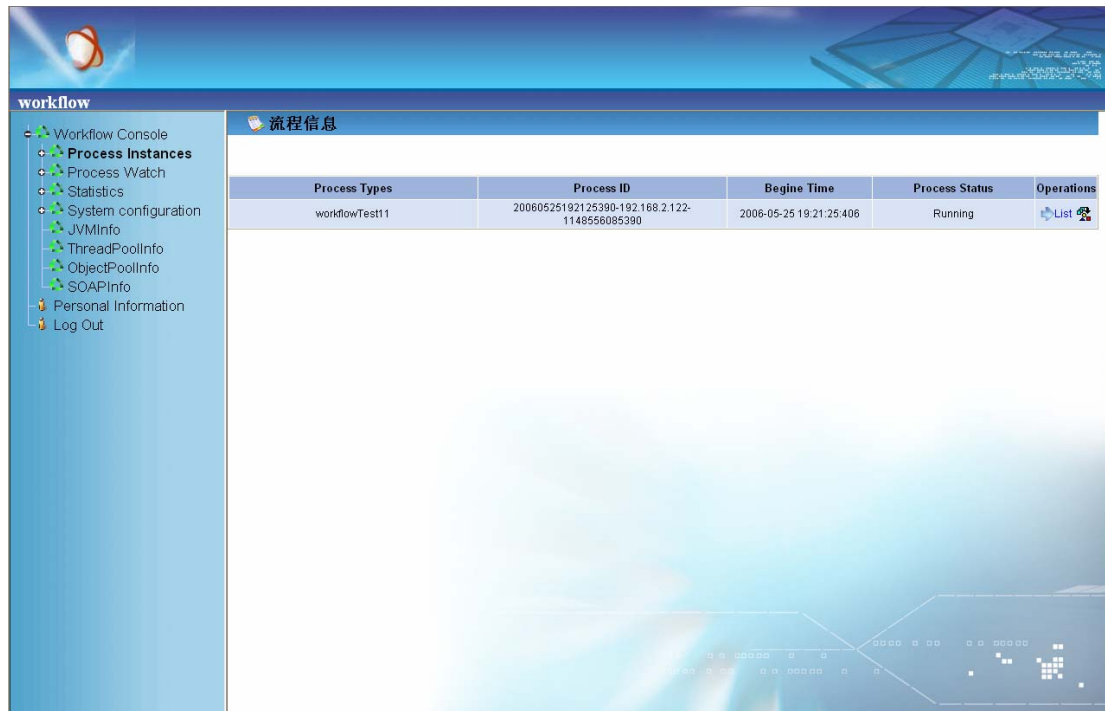
### 3.2.2 use of process management module

#### 3.2.2.1 introduction of process management module

provide graphic interface examination of state of flow,including characristic of transaction. Provide four layers of graphics

### 3.2.2.2 steps of process management module

Look over type of flow



Pic.3 flow information

Result

Get flow information

### 3.2.3 Use of cosumer management module

#### 3.2.3.1 Introduction

There are several super administrators with higher rights among administrators. This module distinguishes different administrators. The Functions provided are as follow:

Adding administrator(only super administrators):

Deleting administrators:

Updating administrators;

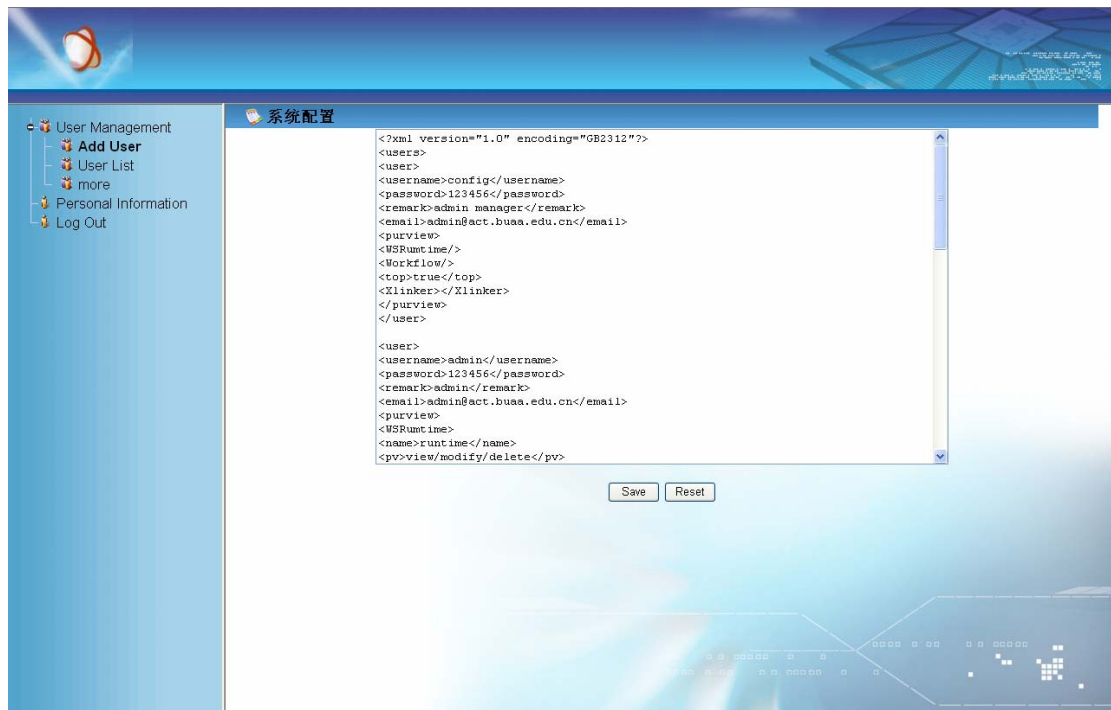
Popedom:



- 1—examining information
- 2—deploying/undeploying services/flows
- 3—modifying information

### 3.2.3.2 steps of user management module

1. create a administrator with chosed right in list of administrators  
by inputing id,password and right



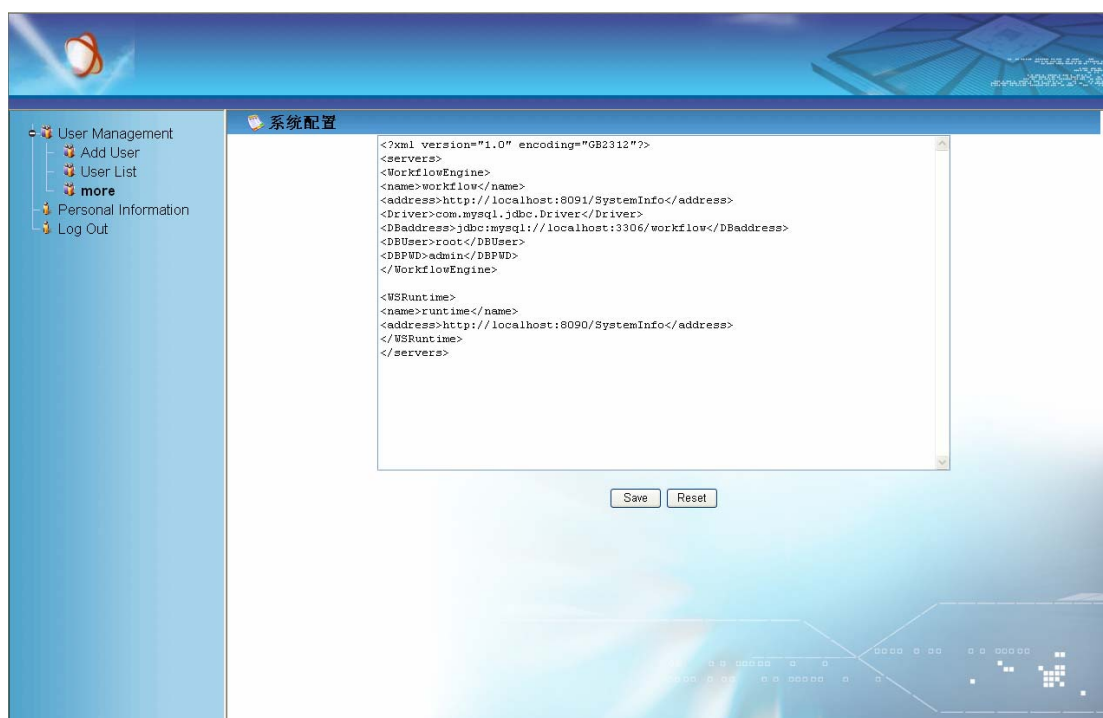
Pic.4 users' information

2. delete administrator record chosen in list of administrators



Pic.5 delete users

### 3.modify more information



Pic.6 More information

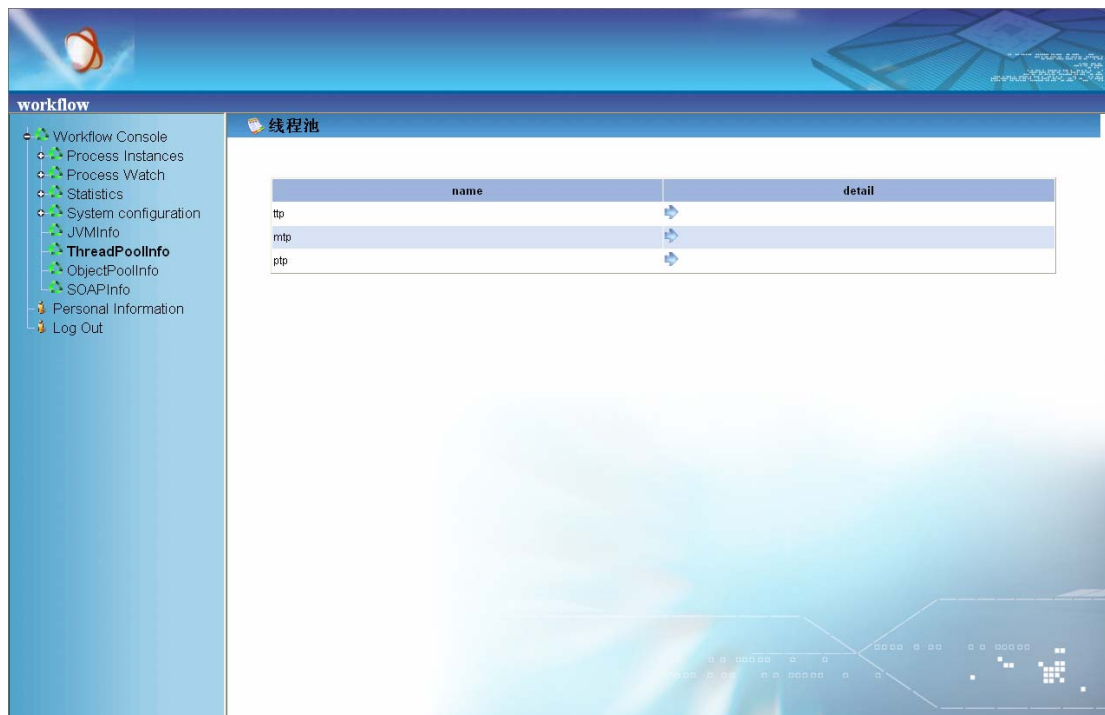
### 3.2.4 use of threadpool management module

#### 3.2.4.1 introduction of threadpool management module

Examine threadpool size

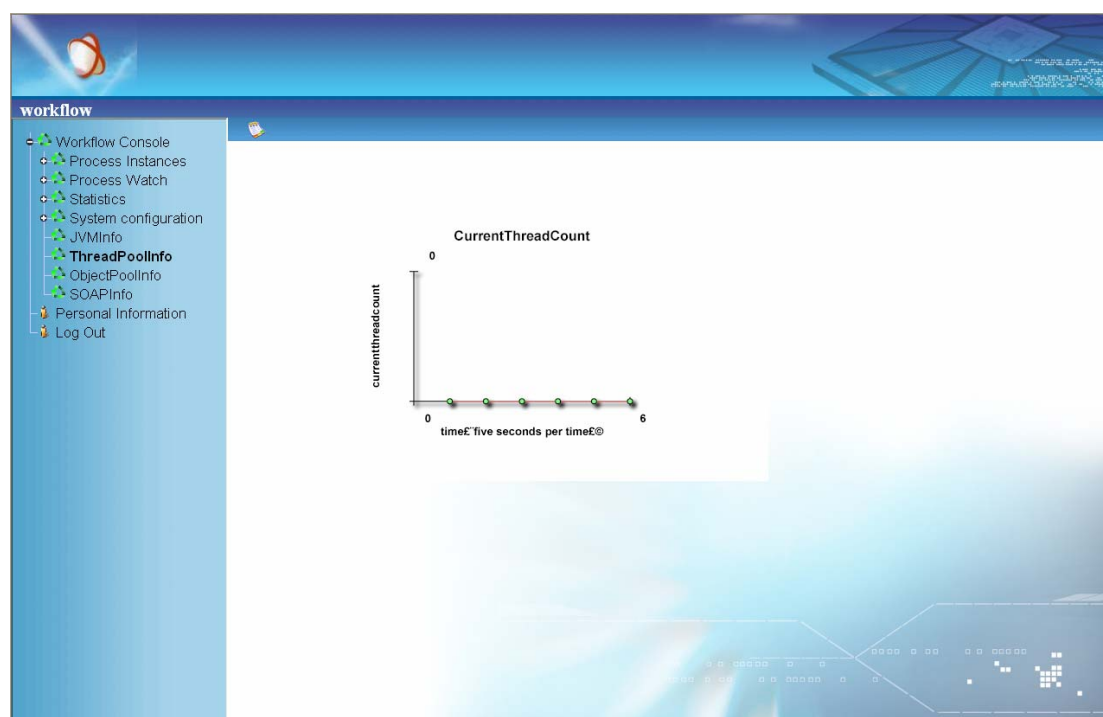
#### 3.2.4.2 steps of threadpool management module

Administrator enters threadpool management module



Pic.7 threadpool

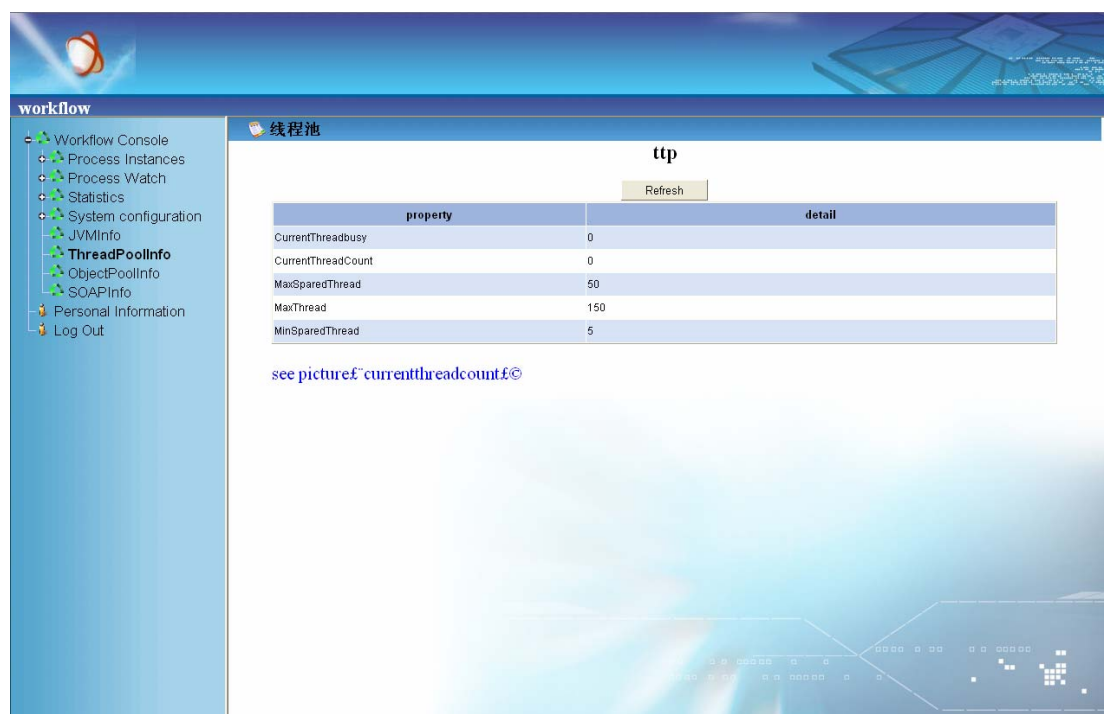
2. choose ttp,mtp,ptp
3. examine information and update
4. examine coordinate coresponding to information



Pic.8 information

Result of operation

Get result updated



Pic.9 Refresh threadpool

### 3.2.5 use of objectpool management module

#### 3.2.5.1Introduction of objectpool management module

Examine objectpool size

#### 3.2.5.2Steps of objectpool management module

1. administrator enters system
2. choose transport,message,serviceobject
3. examine information and update
4. examine coordinate coresponding to information

Result of operation

Get result updated

### 3.2.6 use of soap management module

#### 3.2.6.1introduction of soap management module

Examine soap RMP and group information

#### 3.2.6.2steps of soap management module

Administrator enters soap management module

examine information and update

Result of operation

Get result updated

### 3.2.7 use of configuration management module

#### 3.2.7.1introduction of configuration management module

Management of configuration file in the form of XML file. Examining recent configuration information, modify and update former configuration

file.

### 3.2.7.2 steps of configuration management module

1. administrator enter management module
2. modify configuration files
3. save

Result of operation

Get success notification

### 3.2.8 Use of Java virtual machine management module

#### 3.2.8.1 Introduction of Java virtual machine management module

Examine information of free memory of java virtual machine

#### 3.2.8.2 Steps of Java virtual machine management module

Administrator enters module



Pic.10 Jvm information

2. examine data updated

3. examine graphics

Result of operation

graphics

## 4 FAQ

problem	Possible reasons	resolvent
Cannot access	The port is used	Close program which take port 8090
Some parts of workflow can not be access	Database unconnected	Config database

## 5 Reference documents

1. General design document of workflow monitor management module,  
2004-08-03