

MQSeries Workflow People administration

Version 1.0

December, 2001

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First Edition, December 2001

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Summary of Amendments

Date	Changes
December 2001	Initial release

Preface

This SupportPac provides a sample of how a process could be created to control the operations of MQSeries Workflow. It is not intended that the process contained in the SupportPac to be used within a production system. It would require further modification and the addition of activities to handle the different requirements of your own environment.

Chapter 1. Introduction

IBM's MQSeries Workflow (MQWF) provides a powerful tool to the challenge of managing processes. The processes normally associated with MQWF are those used to run the business. When defining the architecture it is apparent that other processes exist in and around the business process. These are internal processes to an organization, for example to manage people. Even with the introduction of LDAP (Lightweight Directory Access Protocol) when staff members join a company there will be several systems, applications and security systems that require notification, updating and authorizations. This SupportPac shows how MQSeries Workflow can be used to add a new person to the MQWF database. This process can be expanded to include several database updates.

Scenario content

The SupportPac includes an MQSeries Workflow process that consists of activities to update a basic staff definition:

- To run a batch job to create basic FDL using UserId and user name
- To run the MQWF tool to import FDL
- To run notepad to view the log.
- To clean up the work files
- To check a UserID is valid

To complete the UserID validation, a Java program has also been included.

The Customer Scenario contains the following files. (Substitute subsequent occurrences of **<MQWFDir>** with the MQSeries Workflow root directory of your installation).

Object	Install Directory (The Install directory of MQSeries Workflow. <MQWFDir> This precedes all the subdirectories structures below)	Description
wo02.pdf	\SCENARIO\PeopleAdmin\DOC	SupportPac User Guide in Adobe PDF format
GoCheckUser.java	\SCENARIO\PeopleAdmin\Programs\Java	The Java application logons on to workflow to check to see if a user exists.
GoCheckUser.class	\SCENARIO\PeopleAdmin\Programs\Java	The java class.
Icon217.ico Icon234.ico Icon236.ico ICON30.ICO ICON32.ICO ICON48.ICO	\SCENARIO\PeopleAdmin\images	The icons used in the process model. These need to be copied to <MQWFDir>\bin\INCOINST
DelFile.bat	\SCENARIO\PeopleAdmin\Programs	The batch script that will delete the work files produced by each workflow instance.

TheCreateUser.bat	\SCENARIO\PeopleAdmin\Programs	The batch script produces FDL to create a new user. Note the password defaults to "password".
TheNewUser.bat	\SCENARIO\PeopleAdmin\Programs	This batch script runs the program FMCIBIE. It contains the ADMIN password. This will need to be updated if the default is not used. If the password is left off then the password will be requested every time the activity runs.
AddUseri.htm	\SCENARIO\PeopleAdmin\FDL \SCENARIO\PeopleAdmin\FDL\AddUseri	Process documentation.
AddUseri.fdl	\SCENARIO\PeopleAdmin\FDL	The process Flow Definition Language for the "Add User" process.

Chapter 2. Installation and running instructions

Prerequisites

- MQSeries Workflow 3.3 Service Pack 1 or higher
- Java 2 Standard Edition 1.3 (JRE or JVM in the system environment classpath)

Installation

The Customer Scenario must be unzipped in the directory of MQSeries Workflow. Replace all the occurrences of `<MQWFDir>` with the MQSeries Workflow Installation directory. All the occurrences of `<MQWFDir>` in the FDL at `<MQWFDir>\scenario\PeopleAdmin\FDL\AddUseri.fdl` must be updated.

In the installation instructions, it is assumed a Microsoft Windows NT/2000 installation is used with default settings for MQSeries Workflow Configuration "FMC", MQWF system "FMCSYS" and MQWF group "FMCGRP" and queue manager FMCQM. If you do not have a default installation, you must modify the FDL at `<MQWFDir>\scenario\PeopleAdmin\FDL\AddUseri.fdl`.

Also, if you have the JVM installed (rather than the JRE) you may have to change the "JRE" command to "Java" in the definition of the program within the FDL: as follows:

Replace

```
WINNT EXE PATH_AND_FILENAME "jre.exe"
```

with

```
WINNT EXE PATH_AND_FILENAME "java.exe"
```

Once the FDL has been changed it can be import into the runtime of the MQSeries Workflow system. You can also import and then view the process using the Buildtime tool. You can use the following command from a command window to import the FDL file:

```
fmcibie -uADMIN -ppassword -o -t -i <MQWFDir>\scenario\PeopleAdmin\FDL\AddUseri.fdl
```

Running the Scenario

The standard client must be used to run the scenario. Log on to the MQSeries Workflow system using the client and the MQSeries Workflow UserId of Auto. The Program Execution Agent "PEA" must be running for the UserId of Auto for the scenario to work. The process can be started from the standard client or the Web client. Once the process has started you can follow the execution of each activity using the monitor.

Once the user has been added successful use the default password of "password" to logon.

Process Documentation

The process documentation is held in the HTML document:

```
<MQWFDir>\scenario\PeopleAdmin\FDL\AddUseri.htm
```

Uninstall

There three steps to uninstall the Customer Scenario:

1. Delete the template from runtime. Use the Standard Client.
2. Delete the directory <MQWFDir>\scenario\PeopleAdmin\
3. Delete the process from Buildtime if imported.

End of Document