

# Chapter 2

## New features in i-effect V1R7

### \*BASE

#### New Process Tracking

Process tracking in i-effect makes it possible to summarize several asynchronous processes into on logical process. All related processes and their relevant objects will be grouped under one definition.

**If an email was received that contains attachments, the following objects could be created on the system.**

First attachment from eMail (eMailattachment1.edi)

Second attachment from eMail (eMailattachment2.edi)

Archive file from email reception (i-effectMailClient200909151338320.012-470\_0.ieffect@menten.com.eml)

**For an outgoing process the following objects could be created analogously..**

EDIFACT File created by the converter (4048454000005\_ORDERS\_2009-12-30-09.24.48.788000.edi)

Send archive file from email(i-effectMailClient200909151338320.012-470\_0.ieffect@menten.com.eml)

**If additional communications of functional modules are used, the list of these objects can be expanded. For AS2 communication it could look like this:**

AS2 Header of the message (i-effect\_AS2Client-200911191614372-7805@menten.header)

MDN (i-effectAS2Server-20091124163003767-5036@as2.ieffect.mdn)

Even with additional processing, such as compression, encryption, signature or other i-effect functions, objects are created that are managed together under one process number.

A new registry service was introduced in the \*BASE module to add central process tracking, which registers newly created file(s) in a central repository.

Using the unique file name and its time stamp, an existing process number will be provided and used in additional processes. Modules that process an input file, learn existing process numbers under which the object was processed and can then register new files under this number. Process chains set up with several asynchronous server tasks can be linked together in this manner.

Every module registers known keywords related to an object using a central interface with the central registration service.

Logging can be turned on or off centrally using menu item 80 from the \*BASE module "Work with Program Modules"

## \*SERVER

### New \*SERVER Workflow

In order to respond to events within i-effect processing with specific procedures it is necessary to recognize these procedures within the i-effect Server-Work-flow.

Until now it was possible to respond to the result of server processing with the statuses \*OK and \*ERROR. This has been expanded by the modification of the Server-Workflow to \*MSGID, \*SQL, \*DIAG and \*REGEX:

- \*MSGID** Enables workflow creation using i-effect's message IDs that are uniquely assigned in i-effect's various modules.
- \*REGEX** It is possible here to respond to text passages in message texts in i-effect's logbook. This makes creation of server processes most flexible. Thus it is possible to define a work flow based on a single word e.g. "certificate".
- \*DIAG:** This process starts, if the server process ends with the status \*DIAG and is an expansion to \*OK and \*ERROR.

- \*SQL** This process works with the i-effect logbook using SQL queries. It starts, if the corresponding server process created a logbook entry that produces results using the SQL-WHERE-LIKE condition of this entry. For Example: SQL LIKE expression: %Mail process saved to database%

### IFS \*Monitor /\*Schedule

Using QP0LROR API, files are tested for locked status before they are passed on to processes. This prohibits the processing of incomplete files that are in use by other processes. It is no longer necessary to set the maximum number of active jobs on the EFFSEVER jobqueue to 1. This was required until now to prevent processing of e.g. incomplete EDIFACT files that were still being converted.

