Applies to:
SAP NetWeaver – Process Integration 7.0 / For more information, visit the SOA Management homepage.

Summary
This document gives step by step guidance for alert configuration in SAP-PI. In end-to-end scenarios there could be situations where due to some issues the data doesn't get posted in SAP; this could be handled by sending alert mails to the appropriate receiver specifying the message-id of the messages that are not processed.

Based on the alert mails, we could easily track the unsent messages and take action accordingly.

Author: Ajay Wandre
Company: IBM
Created on: 15 December 2008

Author Bio
Ajay Wandre is a SAP NetWeaver – PI Consultant from IBM Global Business Services. He has written many articles relating to SAP-PI which has already been published in IBM Practitioners Portal.
# Table of Contents

Setting-Up Alert Mails.........................................................................................................................................3  
Creating Alert Category...................................................................................................................................3  
Setting Mail Server Connection ......................................................................................................................9  
Testing of Alert Category ..............................................................................................................................12  
Activation of Alert Inbox and Alert Configuration in Runtime Workbench.....................................................13  
Creating Rules for Receiving Alert Mails ......................................................................................................14  
Related Content................................................................................................................................................15  
Disclaimer and Liability Notice..........................................................................................................................16
Setting-Up Alert Mails

Creating Alert Category

Step - 1

In t-code ‘ALRTCATDEF’ create a new alert category ‘ALERT_EMAIL’ and provide a description.
Step – 2

In the Properties tab provide the required description and the Alias name.
Step – 3

In the Container tab create a new container element.

Step – 4

Create the container element SXMS_MSG_GUID and provide the ABAP Dict Data Type as SXMSMGUIDC.
In alerts from XI you can use these variables:

SXMS_MSG_GUID, SXMS_RULE_NAME, SXMS_ERROR_CAT, SXMS_ERROR_CODE,
SXMS_FROM_PARTY, SXMS_FROM_SERVICE, SXMS_FROM_NAMESPACE,
SXMS_FROM_INTERFACE,
SXMS_TO_PARTY, SXMS_TO_SERVICE, SXMS_TO_NAMESPACE, SXMS_TO_INTERFACE

Step – 5
In 'Long and Short Text' tab provide the short and long texts of the messages. Use appropriate dynamic messages according to the available container variables.

**Available Container Variables**

<table>
<thead>
<tr>
<th>Container Variable</th>
<th>ABAP Dictionary Data Type</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>SXMS_MSG_GUID</td>
<td>SXMSMGUI DC</td>
<td>Message ID</td>
</tr>
<tr>
<td>SXMS_RULE_NAME</td>
<td>SXMSDESCR</td>
<td>Description of the alert rule</td>
</tr>
<tr>
<td>SXMS_ERROR_CAT</td>
<td>SXMSERRCAT</td>
<td>Error category</td>
</tr>
<tr>
<td>SXMS_ERROR_CODE</td>
<td>CHAR70</td>
<td>Error code</td>
</tr>
<tr>
<td>SXMS_FROM_PARTY</td>
<td>SXI_FROM_PARTY</td>
<td>Sender party</td>
</tr>
<tr>
<td>SXMS_FROM_SERVICE</td>
<td>SXI_FROM_SERVICE</td>
<td>Sender service</td>
</tr>
<tr>
<td>SXMS_FROM_NAMESPACE</td>
<td>SXI_FROM_ACTION_NS</td>
<td>Sender namespace</td>
</tr>
<tr>
<td>SXMS_FROM_INTERFACE</td>
<td>SXI_FROM_ACTION</td>
<td>Sender interface</td>
</tr>
<tr>
<td>SXMS_TO_PARTY</td>
<td>SXI_TO_PARTY</td>
<td>Receiver party</td>
</tr>
<tr>
<td>SXMS_TO_SERVICE</td>
<td>SXI_TO_SERVICE</td>
<td>Receiver service</td>
</tr>
<tr>
<td>SXMS_TO_NAMESPACE</td>
<td>SXI_TO_ACTION_NS</td>
<td>Receiver namespace</td>
</tr>
<tr>
<td>SXMS_TO_INTERFACE</td>
<td>SXI_TO_ACTION</td>
<td>Receiver interface</td>
</tr>
</tbody>
</table>

**Step – 6**

Click on the *Fixed Recipients* button, to specify the users who would receive the alert mails.
Step – 7

1) Specify the recipient’s user-id; for the particular user-id specify the email-address in the Address tab of t-code SU01.

2) Save the alert configuration.

[Alert Category has been created]
1) Goto t-code SCOT; double-click SMTP and specify the mail-host and mail-port for the respective mail server.

2) Make the ‘Node in use’ check box as **checked**.

3) Click on the ‘Internet->Set’ button under ‘Supported address types’ to specify the email-address of the recipient.
### Step – 9

Specify the email-address of the recipient who is going to receive the alert mails.

(OR) Specify ‘*’ in case of multiple email-ids.
Step – 10

1) Goto Menu->Settings->Default Domain and specify the domain id of the company.

2) Save the settings done in SCOT.
Testing of Alert Category

Step – 11

1) To test our alert configurations run the report ‘RSALETTTEST’.

2) Specify the alert category that we have created in ALRTCATDEF. **Execute(F8)**.

3) If the alert configuration is correct, an email will be sent to the specified recipient of the alert mails (as shown below).

```
The message sent with status 'processed'.

From: ALRTS1 [sapr_towards@jpsd.com]
To: rap_wander [3ap]
CC: 
Subject: Record with message is not processed!!!

Alert ID: ****00000*

Dear Administrator,

This is with respect to XI Scenario. During processing XML file from FTP Server, following error has been occurred:

Message ID:
Interface:

**NOTE:** To check the file name, goto TCODE ‘SIZ_MONITOR’ and search for above message ID.
Double click on that message ID and click on Dynamic Configuration in left hand tree.

Please take appropriate action in co-ordination with respective functional consultant.
```
Alert Configuration – Step by Step Guide

Activation of Alert Inbox and Alert Configuration in Runtime Workbench

SAP Note: 913858

Symptom

Calling the alert configuration or alert inbox returns the error:
HTTP 404 Not Found - The requested resource does not exist
or
HTTP 401 Unauthorized - The user/password is not valid

Cause and Prerequisites

The exchange profile contains the wrong HTTP port and host name for WebAs ABAP.
The error also occurs if the host name is changed after the initial maintenance of the exchange profile.
For example, the error occurs if a new host name is determined on a system that is operated by a hosting partner and that
can be contacted from the customer network. In this case, the exchange profile must be modified as described below.

Solution

Check the following property under "Runtime Workbench" in the exchange profile:
com.sap.aii.rwb.server.centralmonitoring.httpport
and, if necessary, set it to the value that the ICM monitor displays as the HTTP port of the WebAs
(transaction SMICM -> Goto -> Services).

You also need to fully identify the host name in the property (for example, use host1234.mycompany.corp instead of
host1234). Here, how you proceed depends on whether the system has been set as a HA (High Availability) setup or not:

a) If it is a HA (High Availability) setup, you must enter the hostname in the property
com.sap.aii.rwb.server.centralmonitoring.r3.name
The value of this property is used as the host name as soon as the property
com.sap.aii.rwb.server.centralmonitoring.r3.mshost is created in the Exchange Profile.

b) Otherwise, adjust the property com.sap.aii.rwb.server.centralmonitoring.r3.ashost

After you have made the adjustments, update the cache by calling the following URL:
http://<J2EE-Host>:<HTTP-Port>/rwb/rtc?op=init
where <J2EE-host> is the host name of your J2EE and <HTTP-Port> stands for the HTTP port of the J2EE.
Creating Rules for Receiving Alert Mails

Step – 12

1) In [Runtime Workbench->Alert Configuration] choose the alert category that was created in ALRTCATDEF.

2) Create rules for the alert mails by specifying the appropriate sender and receiver parameters for the created alert category.

3) When an end-to-end scenario contains any errors, an email is automatically generated and sent to the required recipient of the alert mails.
Related Content

www.service.sap.com
www.sdn.sap.com
www.help.sap.com

Alert Configuration on help.sap.com

For more information, visit the SOA Management homepage.
Disclaimer and Liability Notice

This document may discuss sample coding or other information that does not include SAP official interfaces and therefore is not supported by SAP. Changes made based on this information are not supported and can be overwritten during an upgrade.

SAP will not be held liable for any damages caused by using or misusing the information, code or methods suggested in this document, and anyone using these methods does so at his/her own risk.

SAP offers no guarantees and assumes no responsibility or liability of any type with respect to the content of this technical article or code sample, including any liability resulting from incompatibility between the content within this document and the materials and services offered by SAP. You agree that you will not hold, or seek to hold, SAP responsible or liable with respect to the content of this document.