Create Automatic Mail Notification/ Email Alert for Process Chain Monitoring

Applies to:
SAP BW 3.X, Business Intelligence 7.0. For more information, visit the EDW homepage.

Summary
This document will give brief introduction on automatic notification of RSPCM. Automatic notification is used to send the list of ‘failed’ & ‘unknown’ status process chains in RSPCM to the required e-mail IDs.

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**Automatic Notification in RSPCM**

Automatic notification is used to send the list of ‘failed’ & ‘unknown’ status process chains in RSPCM to the required e-mail IDs. This is very useful for monitoring the process chain. In case of failure mail is send to the support team and necessary action can be taken immediately.

**Transaction used**

<table>
<thead>
<tr>
<th>Process chain Monitoring</th>
<th>RSPCM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Overview</td>
<td>SM37</td>
</tr>
<tr>
<td>Process chain maintenance</td>
<td>RSPC</td>
</tr>
<tr>
<td>Edit Profile</td>
<td>RZ10</td>
</tr>
<tr>
<td>SAPConnect Transmission Request</td>
<td>SOST</td>
</tr>
</tbody>
</table>

**Tables Used**

<table>
<thead>
<tr>
<th>Monitor individual process chains</th>
<th>RSPC_MONITOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Texts for Chain</td>
<td>RSPCCHAIN</td>
</tr>
<tr>
<td>Cross-Table Log ID / Chain ID</td>
<td>RSPCLOGCHAIN</td>
</tr>
</tbody>
</table>

**Program Used**

| Monitoring of Selected Process Chains (Last Run) | RSPC_MONITOR |

**Prerequisites**

SMTP server should be configured to send mail. This setting is done from transaction RZ10.

Settings for the Profile Parameters

**Instance profile**

rdisp/start_icman = true

icm/server_port_0 = PROT=HTTP, PORT=****

All these setting have to be done by basis team.
Implementation
Following are the steps:

Step 1
In RSPCM Automatic notification button is as shown below:

Step 2
Enter the process variant as RSPC_MONITOR_MAIL and short description as you want.

Step 3
Once you enter the above details, below screen will display. Click on edit document to give Subject line of e-mail and message. Click on Maintain Recipient List to provide e-mail IDs.
Step 4
Edit Document: Fill the details and save.

Step 5
Maintain Recipient List:

Enter email IDs, select recipient type as Internet address. Check the check box for expr. Mail.

Step 6
Click on back and save the variant.
Step 7
Now schedule the Job to send mail.

a. In RSPCM click on JOB button.

b. You have option to execute immediately or schedule it as per requirement.

The purpose of this job is to trigger program RSPC_MONITOR which will send mail.

Program RSPC_MONITOR send mail for failed and unknown status only. We can customize this program as per our need.
Logic of the program

This program mainly executes two forms, get and send.

Function "get": This form gets RSPCM process chain's details into internal table \( l_s_data \). All process chain names added in RSPCM are available in table \( RSPC_MONITOR \) and other details like log ID, status, start time and end time are read from \( RSPCCHAIN & RSPCLOGCHAIN \).

Function "send": This form is to send mail. this form has three parts:
   a. \( METHOD cl_rsra_communication=>get_message \) is used to get message from mail variant (created using automatic notification of RSPCM step 2). This includes mail subject line, mail document and recipient list into internal table \( l_t_mail \).
   b. Append the details of failed process chain from \( l_s_data \) to mail document table \( l_t_mail \). This part can be edited to get mail as per the requirement.
   c. Send mail using \( METHOD cl_rsra_communication=>add_content \). “if” condition can help to send mail only in case of failure.
Related Content

Process Chain Monitoring RSPCM Overview and Steps to add Notification Mail -

Automatic Email Alert - http://forums.sdn.sap.com/thread.jspa?threadID=1507005&tstart=0

For more information, visit the EDW homepage.
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