Appplies to:
This article is applicable to all the SAP BI consultants who are accustomed with SAP ABAP skills. For more information, visit the EDW homepage.

Summary
This document specifies the detailed understanding of sending specific format emails using process chain.

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Scenario

Send specific format email using process chain. Values are retrieved from DSO and then a formatted email to be sent to specific Email-IDs.

Step-by-Step Solution

Solution is explained in two steps:

ICM Setup and SAP Connect: Confirm the SMTP activation alongwith the setting in SCOT.

ABAP Code (Email Function Module): Use of the FM ‘SO_NEW_DOCUMENT_SEND_API1’ to send email.

Process Chain: Schedule the process chain to send email

ABAP Code (Email Function Module)

Maintain the Email IDs in custom table to whom the mail to be sent:

<table>
<thead>
<tr>
<th>Client</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>800</td>
<td><a href="mailto:suraj.tigga@capgemini.com">suraj.tigga@capgemini.com</a></td>
</tr>
</tbody>
</table>

ICM setup and SAP Connect:

Go to transaction SICF and verify the SMTP node is activated properly.

Create/Change a Virtual Host

SAPConnect

All of the SAPConnect monitoring and configuration can be reached from one transaction called SCOT.
**ABAP Code:**

**Step 1:** Retrieve the details from DSO PHSDRBSE, whose details have to be sent:

```abap
* Retrieve data from Rebate Selection Screen DSO
SELECT * FROM /bic/aphsdrbse00 INTO TABLE t_phsdrbse.
IF sy-subrc EQ 0.
* Rebate BI-BO Validation
  CONCATENATE text-001 '(' sy-datum+6(2) '-' sy-datum+4(2) '-' sy-datum+9(4) ')' INTO t_mail_header-obj_descr.
  t_mail_content-line = text-012.
  APPEND t_mail_content.
  CONCATENATE ' ' ' ' INTO t_mail_content-line.
  APPEND t_mail_content.

* Validation successfully done for following:
  t_mail_content-line = text-002.
  APPEND t_mail_content.
  CONCATENATE ' ' ' ' INTO t_mail_content-line.
  APPEND t_mail_content.

LOOP AT t_phsdrbse INTO wa_phsdrbse.
* Customer
  IF wa_phsdrbse-customer IS NOT INITIAL.
    CONCATENATE 'Customer': wa_phsdrbse-customer INTO t_mail_content-line.
    APPEND t_mail_content.
  ENDIF.
* Chain ID
  IF wa_phsdrbse-/bic/zcustchid IS NOT INITIAL.
    CONCATENATE 'Chain ID': wa_phsdrbse-/bic/zcustchid INTO t_mail_content-
```
APPEND t_mail_content.
ENDIF.
* National Grp
  IF wa_phsdrbse-/bic/zcnltgpc IS NOT INITIAL.
    CONCATENATE 'National Group' ':' wa_phsdrbse-
    /bic/zcnltgpc INTO t_mail_content-line.
    APPEND t_mail_content.
  ENDIF.
* National Sub Grp
  IF wa_phsdrbse-/bic/zcnltsgpc IS NOT INITIAL.
    CONCATENATE 'National Sub Group' ':' wa_phsdrbse-
    /bic/zcnltsgpc INTO t_mail_content-line.
    APPEND t_mail_content.
  ENDIF.
* Rebate ID
  CONCATENATE 'Rebate ID' ':' wa_phsdrbse-/bic/zreb_id INTO t_mail_content-line.
  APPEND t_mail_content.
* From Date
  CONCATENATE 'Date From' ':' wa_phsdrbse-/bic/phrbfr INTO t_mail_content-line.
  APPEND t_mail_content.
* To date
  CONCATENATE 'Date From' ':' wa_phsdrbse-/bic/phrbto INTO t_mail_content-line.
  APPEND t_mail_content.
ENDLOOP.
CONCATENATE '******************************' ' ' INTO t_mail_content-line.
APPEND t_mail_content.
* Kindly execute either of them to validate:
  CONCATENATE text-004 '' INTO t_mail_content-line.
  APPEND t_mail_content.
* Query : ZPHSDBMP1_COMPARE_BI_BO
  CONCATENATE text-005 '' INTO t_mail_content-line.
  APPEND t_mail_content.
* WAD: ZWT_PHSDBMP1_COMPARE_BI_BO
  CONCATENATE text-006 '' INTO t_mail_content-line.
  APPEND t_mail_content.
  CONCATENATE '******************************' ' ' INTO t_mail_content-line.
  APPEND t_mail_content.
* Web Template Execution
  CONCATENATE text-007 '' INTO t_mail_content-line.
  APPEND t_mail_content.
* Portal Link
  CONCATENATE 'http://essbwapp01.mckesson.com:59000/irj/' ' ' INTO t_mail_content-line.
  APPEND t_mail_content.
  CONCATENATE ' ' ' ' INTO t_mail_content-line.
  APPEND t_mail_content.
  CONCATENATE text-013 '' INTO t_mail_content-line.
  APPEND t_mail_content.
  CONCATENATE text-010 '' INTO t_mail_content-line.
APPEND t_mail_content.

CONCATENATE text-011 ' ' INTO t_mail_content-line.
APPEND t_mail_content.

CONCATENATE ' ' ' ' INTO t_mail_content-line.
APPEND t_mail_content.

CONCATENATE ' ' ' ' INTO t_mail_content-line.
APPEND t_mail_content.

CONCATENATE text-008 ' ' INTO t_mail_content-line.
APPEND t_mail_content.

CONCATENATE text-009 ' ' INTO t_mail_content-line.
APPEND t_mail_content.

ENDIF.

Step 1: Retrieve the email IDs as maintained in custom table YBBWT_REB_EMAIL

* Retreive Email Address
SELECT *
FROM ybbwt_reb_email
INTO TABLE t_ybbwt_reb_email.
IF sy-subrc EQ 0.
    LOOP AT t_ybbwt_reb_email INTO wa_ybbwt_reb_email.
        t_receivers-com_type = 'INT'.
        t_receivers-rec_type = 'U'.
        t_receivers-receiver = wa_ybbwt_reb_email-address.
        APPEND t_receivers.
    ENDLOOP.
ENDIF.

Step 2: Call the Function Module ‘SO_NEW_DOCUMENT_SEND_API1’ which sent the email

* Send email (Notify the Users about the successful validation)
CALL FUNCTION 'SO_NEW_DOCUMENT_SEND_API1'
EXPORTING
doctor_data = t_mail_header
document_type = 'RAW'
put_in_outbox = 'X'
commit_work = 'X'

TABLES
object_content = t_mail_content
receivers = t_receivers

EXCEPTIONS
too_many_receivers = 1
document_not_sent = 2
document_type_not_exist = 3
operation_no_authorization = 4
parameter_error = 5
x_error = 6
enqueue_error = 7
OTHERS = 8.
Step 3: Check the email in Inbox

Process Chain

Create a process chain which contains the ABAP Code, which sends email to specific Email IDs:

Execute the Process Chain

Email Notification
Related Content
For more information, visit the EDW homepage.
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