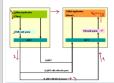
Queue technique is used to call the rfc FMs in a sequential way in the target system when there is a dependency between two FM calls like first crea-record and then updating it or first creating a record and then deleting it. Outbound queue can be used without an inbound queue to sequentialize calls. The outbound queues only exists in the source systems, 5 form the target system we can't determine who is responsible for a rfc first and calls. The outbound queues only exists in the source systems, 5 form the target systems we can't determine who is responsible for a rfc first and the system of the call of the c outbound queue with an inbound queue technique helps in determining this. So in this case outbound queue exists in the source system and after it is processed in the source system, the corresponding inbound queue appeared in the target system and after the inbound queue is processed in the target

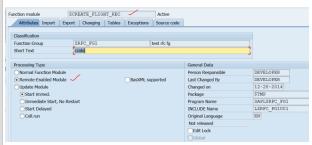


The below post describes how to create a record and then update it by inbound queue technique.

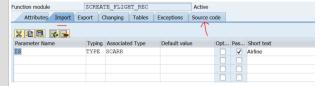
Step 1. Target system: The below post will create a record in this table and then will update the same record by inbound queue technique.



Step2. Target system: The RFC fm to create a flight record.



Step3. FM importing parameters.





Step5. Target system . One more rfc FM to update the flight record.

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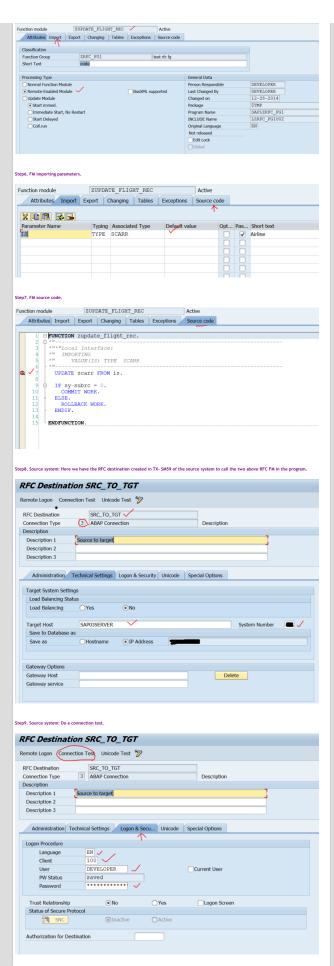
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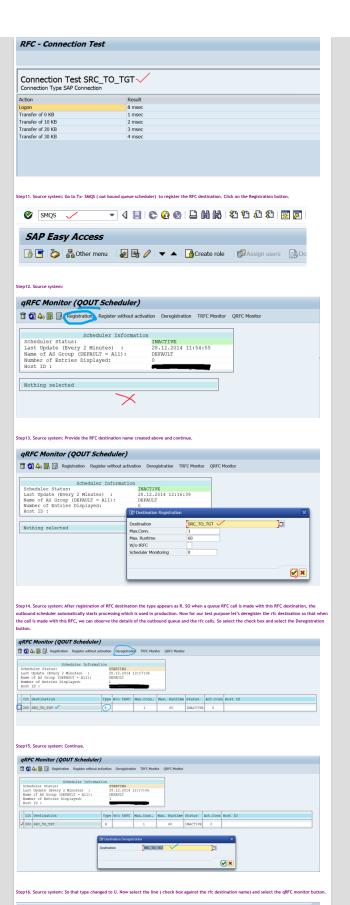
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Step10.Source system: Connection works fine.



CMonitor (QOUT Scheduler)

① △ □ □ □ Repotation Register utilized activation Developation THYC North COUTCHWEEL

Scheduler Destroits Participal Scheduler Information

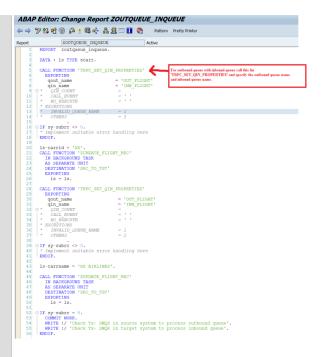
Scheduler Destroits Participal Scheduler Sch

Step17. Source system: So currently no out bound queue is there for this RFC destination.

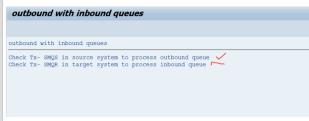


* NO_EXECUTE = ' ' * INVALID_QUEUE_NAME = 1 CALL FUNCTION 'ZCREATE_FLIGHT_REC' IN BACKGROUND TASK AS SEPARATE UNIT DESTINATION 'SRC_TO_TGT' CALL FUNCTION 'TRFC_SET_QIN_PROPERTIES' * CALL_EVENT = ' ' * NO_EXECUTE = ' ' * EXCEPTIONS * INVALID_QUEUE_NAME = 1 * OTHERS = 2 IF sy-subrc <> 0. * Implement suitable error handling here ENDIF. Is-carrname = 'XX AIRLINES'. CALL FUNCTION 'ZUPDATE_FLIGHT_REC' IN BACKGROUND TASK AS SEPARATE UNIT DESTINATION 'SRC_TO_TGT' EXPORTING IF sy-subrc = 0. WRITE 9 'Check Tx- SMQS in source system to process outbound queue'. WRITE

'Check Tx- SMQR in target system to process inbound queue'.



Step26. Source system: So here the report output.



Step 27. Source system: go to Tx- SMQS. Select the RFC Destination line and select qRFC monitor button.



Step 28. Source system: So here one outbound queue exists with entries as 2 as we have two fm calls under this outbound queue. Now double click on the Queue name.



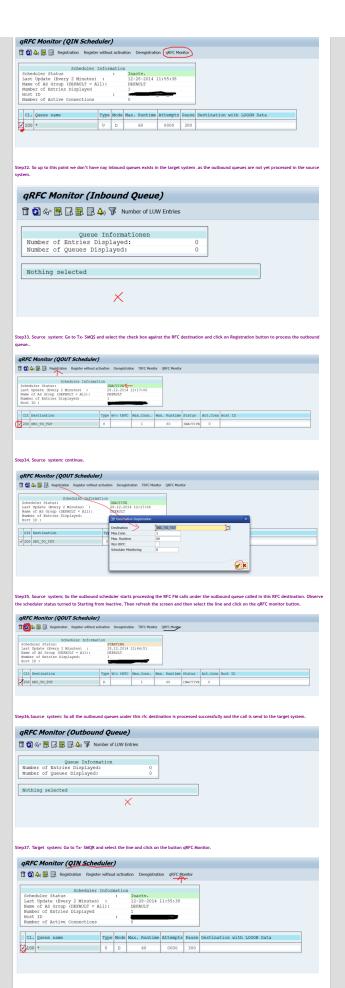
Step29. Source system: Double click again on the Queue name.



Step30. Source system; so here we have two RFC FM calls with the inbound queue names, go Back



Step31. Target system: go to Tx- SMQR and select the line and click the button qRFC Monitor



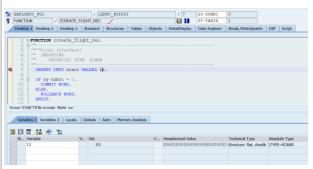
Step38. Target system: So here we have the inbound queue, now double click on the queue name.



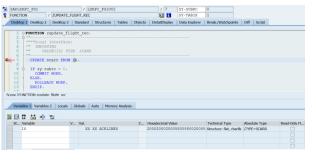




Step 44. Target system: So here the inbound scheduler starts executing the Fm ans as we set the debugger it is triggered. So F8 to finish the execution of



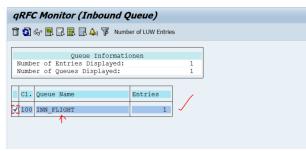
Step45. Target system: Again the second FM is called by the inbound scheduler. Don't F8 at this moment.



Step46. Target system: Go to Tx- SMQR and select the line and click the button qRFC Monitor.



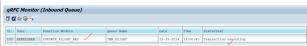
Step47. Target system: So now we have the same inbound queue exists but now we only have one entry as first fm is already executed. Double click on the queue name,



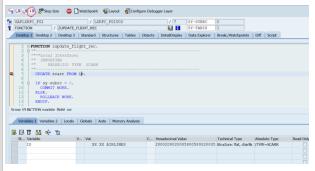
Step48. Target system: Double click on the queue name.



Step49. Target system: So here we have only one FM . Go back.



Step50. Target system: Finish the execution of the update fm by F8.



Step51. Target system: Again go to the Tx- SMQR and select the line and click on the button qRFC Monitor.

