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Troubleshooting tRFC with "Transaction recorded" status in SM58

Status "**Transaction recorded**" usually happens in case of **Idoc processing** or in case of **BW loads**.

This document will provide you troubleshooting steps, required for processing tRFC stuck with "**Transactional Recorded**" status in **SM58**.

In case of **BW loads**, you will see similar screens like shown below.

In **SM58** you will see entries with status "**Transaction recorded**" and the function module name would be "**RSAR_TRFC_DATA_RECIEVED**"

Caller	Function Module	Target System	Date	Time	Status Text
ALEREMOTE	RSAR_TRFC_DATA_RECEIVED	EPDCLNT100	12/18/2013	20:53:27	Transaction recorded
ALEREMOTE	RSAR_TRFC_DATA_RECEIVED	EPDCLNT100	12/18/2013	20:53:27	Transaction recorded
ALEREMOTE	RSAR_TRFC_DATA_RECEIVED	EPDCLNT100	12/18/2013	20:53:27	Transaction recorded

In **SM50** you will see most of the dialog WP stuck with report "**SAPLSENA**"

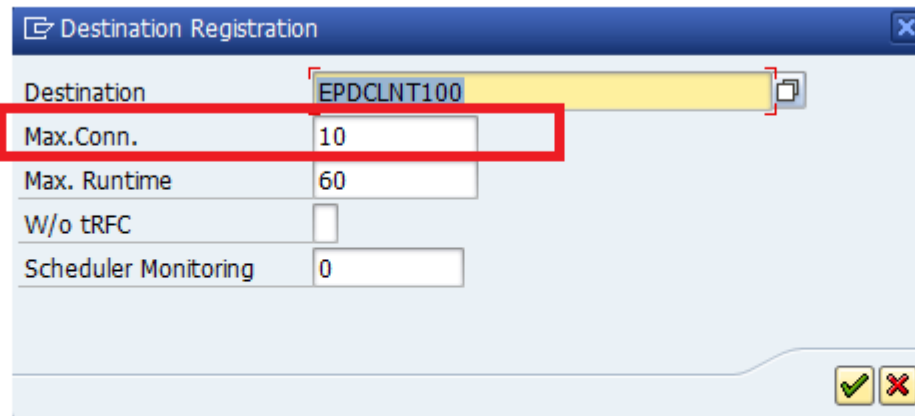
	No.	Type	PID	Status	Reason	Start	Dumps	S...	CPU	Time	Report	CL	User Names	Action	Table
	21	DIA	16223	Running		Yes	1			103	SAPLSENA	100			
	22	DIA	16224	Running		Yes	1			103	SAPLSENA	100			
	23	DIA	16225	Running		Yes	1			103	SAPLSENA	100			
	24	DIA	12945	Running		Yes				103	SAPLRSSM...	100		Sequential Read	RSMONMESS
	25	DIA	16227	Running		Yes	1			103	SAPLSENA	100			
	26	DIA	12956	Running		Yes				103	SAPLSENA	100			
	27	DIA	12961	Running		Yes				103	SAPLSENA	100			
	28	DIA	16228	Running		Yes	1			103	SAPLSENA	100			
	29	DIA	16240	Running		Yes	1			103	SAPLSENA	100			
	30	DIA	16241	Running		Yes	1			103	SAPLSENA	100			

If any of above steps hold true for your case , check for the destination status in transaction **SMQS** , the target system mentioned in **SM58** should be registered in **SMQS** destination. In our example ,its destination **EPDCLNT100** . Below screenshot shows that its registered (**Type = R**) .

	Clc	Destination	Type	W/o tRFC	Max.Conn.	Max. Runtime	Status	Act.Conn	Host ID
	<input type="checkbox"/> 100	AISERVER	R		1	60	INACTIVE	0	
	<input type="checkbox"/> 100	EPDCLNT100	R		10	60	INACTIVE	0	sapepdci
	<input type="checkbox"/> 100	BSD100	R		10	60	INACTIVE	0	

If its not registered, select the destination and press "**Registration**" button on screen. Once the destination is registered in **SMQS** , tRFC entries in **SM58** can be reprocessed by scheduling report **RSARFCEX**. Report **RSARFCEX** will only work if the destination was already in registered state.

When you register a destination, you have option to speed up the processing by increasing the "**max connection parameter**" as per the available resources in system.



The image shows a 'Destination Registration' dialog box with a blue title bar. It contains a table with the following fields: 'Destination' (text field with 'EPDCLNT100'), 'Max.Conn.' (text field with '10'), 'Max. Runtime' (text field with '60'), 'W/o tRFC' (checkbox), and 'Scheduler Monitoring' (text field with '0'). The 'Max.Conn.' field is highlighted with a red rectangle. At the bottom right, there are two buttons: a green checkmark and a red X.

Destination	EPDCLNT100
Max.Conn.	10
Max. Runtime	60
W/o tRFC	<input type="checkbox"/>
Scheduler Monitoring	0

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To check the available resources , go to **SMQS > QRFC Resources**.

You can assign max connection parameter equal to DIALOG WPs for tRFC/qRFC(shown in red block below) . **Do consider the requirement of other destinations and dialog users sessions as well** . Once you set max connection parameter,system will take these many dialog WPs to process tRFC for selected destination.

The screenshot shows the SAP qRFC Monitor (QO) interface. The 'Goto' menu is open, highlighting 'QRFC Resources'. An arrow points from this menu item to a detailed table of resources for AS Group DEFAULT.

Resources for AS Group		DEFAULT	Time	16:17:19
Host ID	Max. DIA WPs	DIA WPs for tRFC/qRFC	Resource Status	
sapepdci	49	37	OK	
TOTAL		49	37	

Nugget: In case of Idocs stuck in **SM58** , you will see function module -"IDOC_INBOUND_ASYNCH" in **SM58** and verify report **RSEOUT00** is running without any problem.

Reference:

SAP Note - 857126 Incorrect tRFCs from BW are not processed in SM58.

SAP Note - 784414 Transaction recorded in SM58 in a BW application.

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