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Scenario – This is an alv list program which has to display the user id and the tcode which they are using along with the terminal information. This report is generally used for monitoring by the security people to track any important information.

An additional requirement of this report is that the fields should be dynamically/automatically refresh by themselves and always show the updated values without any user action on this report. In case case it doesn't refresh, the user has to just press the enter button to avoid the buffer problems.

- 1) Here we have to fetch the data first and then display in the alvlist/alv grid.
- 2) We have two performs in this program.
- 3) First one is read_data which fetches the data by using the standard function module

* Get User's info

call function 'THUSRINFO'

tables

usr_tabl = gt_user.

- 4) This FM fetches the complete data required about the user and his terminal into the internal table gt_user.
- 5) After this we are doing the perform

* Wait in a task

perform f_call_rfc_wait.

- 6) This perform will call the following function module

* Wait in a task

call function 'RFC_PING_AND_WAIT' starting new task '001'

performing f_task_end on end of task

exporting

seconds = 5 " Refresh time

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busy_waiting = space

exceptions

resource_failure = 1

communication_failure = 2 message lv_mssg

system_failure = 3 message lv_mssg

others = 4.

This above FM is waiting for 5 seconds and then call the task in the perform f_task_end

- 7) In this f_task_end, we are setting the user command as '&NTE' (Nothing but Enter button on the keyboard)
- 8) And in the perform perform f_display_data , we are displaying the data.
- 9) The code is available in the following attachment.

What exactly is happening here is after displaying the report, the user command is being triggered with '&NTE' every 5 seconds. And therefore the list is being refreshed.



alv automatic refresh.txt

Here are the output screenshots of this program.

Alv Refresh program

TID	User	TCODE	Terminal	Time	Master	IP address	Trace	Modes	Modes	Number	Number	Number	
34	MYNMI0	GJ14	DOHCOR-L-99590	115055		90D1D128	0	2	4	4	2	0	710
32	INVNAY	SE38	BNGIBM-D-99290	122049		9C1F823D	0	1	3	4	2	0	710


With time, the data is being changed in this report. The time field in the report is always changing after every 5 seconds.

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Alv Refresh program



TID	User	TCODE	Terminal	Time	Master	IP address	Trace	Modes	Modes	Number	Number	Number		
34	INVNAY		BNGIBM-D-99290	122216		9C1F823D	0	1	0	32	3	0		I
32	INVNAY	SE38	BNGIBM-D-99290	122216		9C1F823D	0	1	3	4	2	0	710	


Alv Refresh program



TID	User	TCODE	Terminal	Time	Master	IP address	Trace	Modes	Modes	Number	Number	Number		
34	INVNAY		BNGIBM-D-99290	122241		9C1F823D	0	1	0	32	3	0		I
32	INVNAY	SE38	BNGIBM-D-99290	122241		9C1F823D	0	1	3	4	2	0	710	

This is one of the security based reports required mostly for monitoring.

Alv Refresh program



TID	User	TCODE	Terminal	Time	Master	IP address	Trace	Modes	Modes	Number	Number	Number		
34	INVNAY		BNGIBM-D-99290	122301		9C1F823D	0	1	1	32	3	0		I
32	INVNAY	SE38	BNGIBM-D-99290	122301		9C1F823D	0	1	3	4	2	0	710	

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