



SAP Solution Manager – Message Flow Monitoring

Authorization Concept – Frequently Asked Questions



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## What are the different levels of authorization users for Message Flow Monitor?

SAP has defined three different types of users:

**Level 1 User:** The user can perform first level tasks in Message Flow Monitoring. Permitted and non-permitted tasks include:

- Access to "Alert-Inbox" application and view of Message Flow Monitor related alerts. Personalize their display, sort out non-relevant problems and to dispatch alerts to other users via status assignment, incident and notification.
- Access to "Message Flow Monitoring" in the "Technical Monitoring Work Center". The user is assigned with **Flow Groups** and is allowed only to monitor those flow groups. The user is not allowed to monitor other flow groups which the user is not authorized to monitor.
- Display of Payloads for the flows in the authorized flow groups is restricted.
- Cancel and re-start of messages from Message Flow Monitor is allowed.

**Level 2 User:** Users can perform second level tasks for a particular topic. They have all authorizations as Level 1 user for a certain topic. In addition, they have access to all end-to-end root-cause analysis capabilities provided by SAP Solution Manager and to all local root-cause analysis capabilities provided by the managed systems. The assigned users are not allowed to change the configuration of the different Monitoring capabilities.

- Cancel and re-start messages from Message Flow Monitor is allowed.
- Display of Payloads for the flows in the authorized flow groups is not restricted.

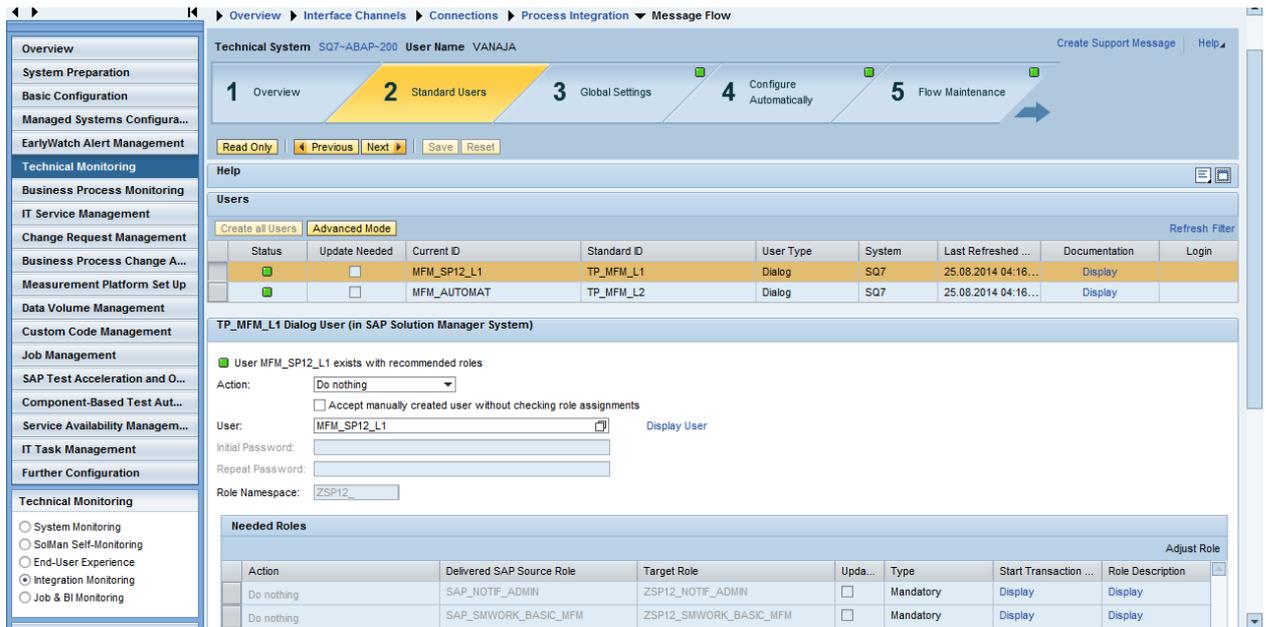
**Configuration User:** Users can perform third level tasks for a particular topic. They have all authorizations as Level 1 and Level 2 users. In addition, they have access to setup and configuration capabilities of Message Flow Monitoring. Setup and configuration of Technical Monitoring capabilities is available in SAP Solution Manager Setup Work Center. For all Monitoring capabilities dedicated setup and configuration workflows based on Robomate framework exists.

## How can I create the users as defined by SAP?

### Create Level1 User

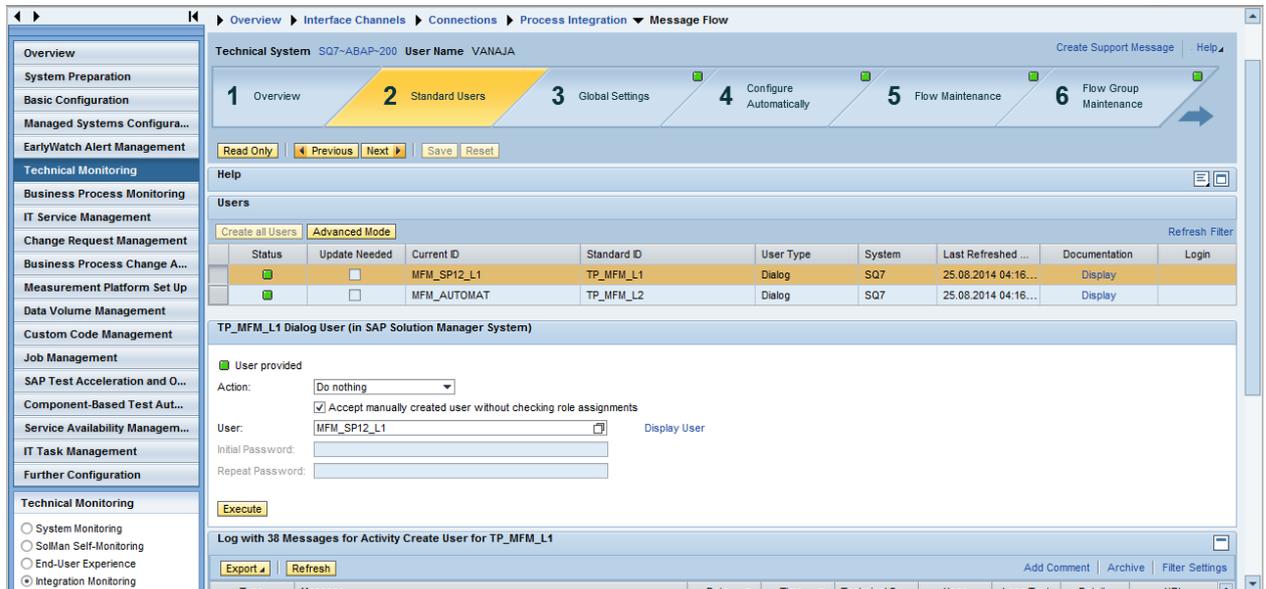
- Execute transaction Solman\_Setup.
- Go to Technical Monitoring→Integration Monitoring→ Message Flow
- Go to Step 2 (Standard Users) →Select "TP\_MFM\_L1" and create a user.

Note: In this step the user can view all the SAP roles that are assigned to this user.



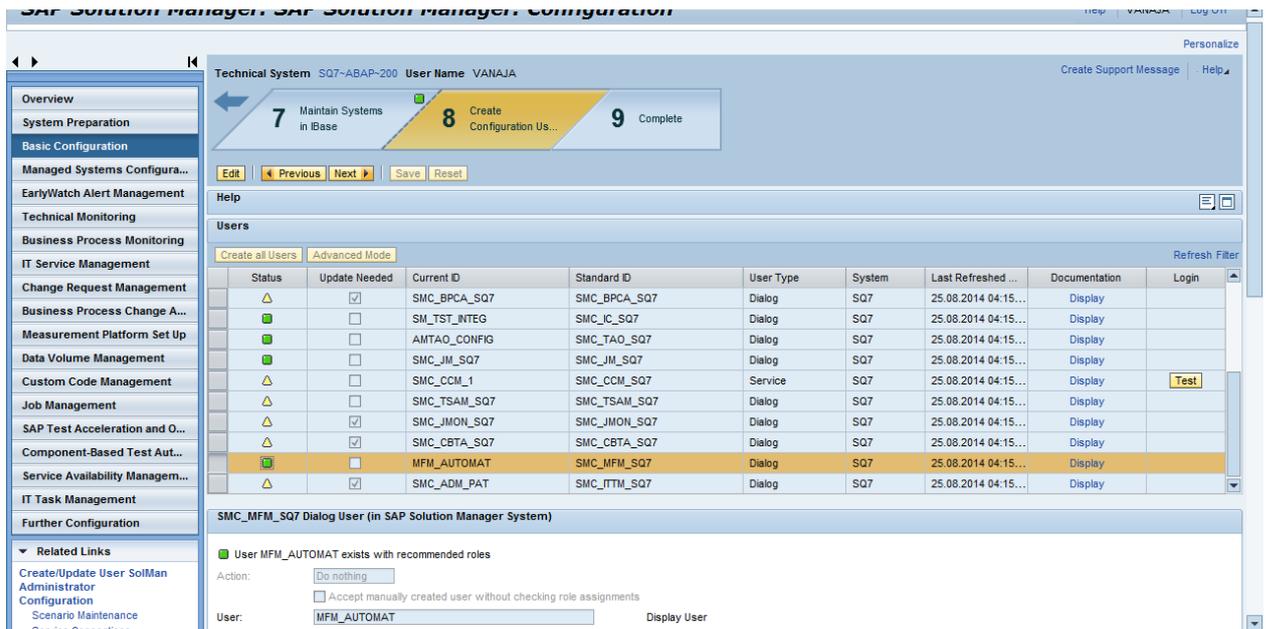
## Create Level2 User

- Execute transaction Solman\_Setup.
- Go to Technical Monitoring → Integration Monitoring → Message Flow
- Go to Step 2(Standard Users) → Select “TP\_MFM\_L2” and create a user.



## Create Configuration User

- Execute transaction Solman\_Setup.
- Go to Basic Configuration → Step8 (Create Configuration Users)
- Select SMC\_MFM<SID of Solution Manager System> and create a user.

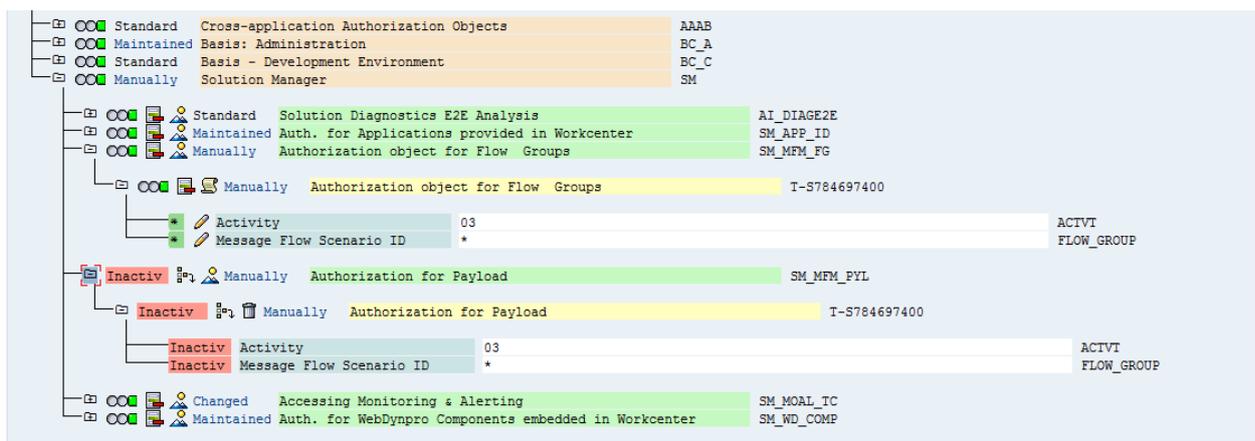


## The user can view all the flow groups. How can I restrict the authorization to a specific set of flow groups?

The SAP Delivered user roles that influences this behavior are SAP\_SM\_MFM\_LEVEL01(Level1) OR SAP\_SM\_MFM\_LEVEL02( Level2) OR SAP\_MFM\_CONF\_COMP( Configuration). The Authorization object SM\_MFM\_FG is maintained to provide the authorization to allow monitoring for a flow group.

Eg: SAP\_SM\_MFM\_LEVEL01

The Authorization object SM\_MFM\_FG is maintained as \* in SAP role. This means the user with this role can monitor all flow groups in SAP Solution Manager.



In order to restrict the monitoring authorization to specific flow groups, it is recommended to create a "Z\_" role of the SAP Role and edit the role as per the requirement. Assigned the "Z\_" to the users .

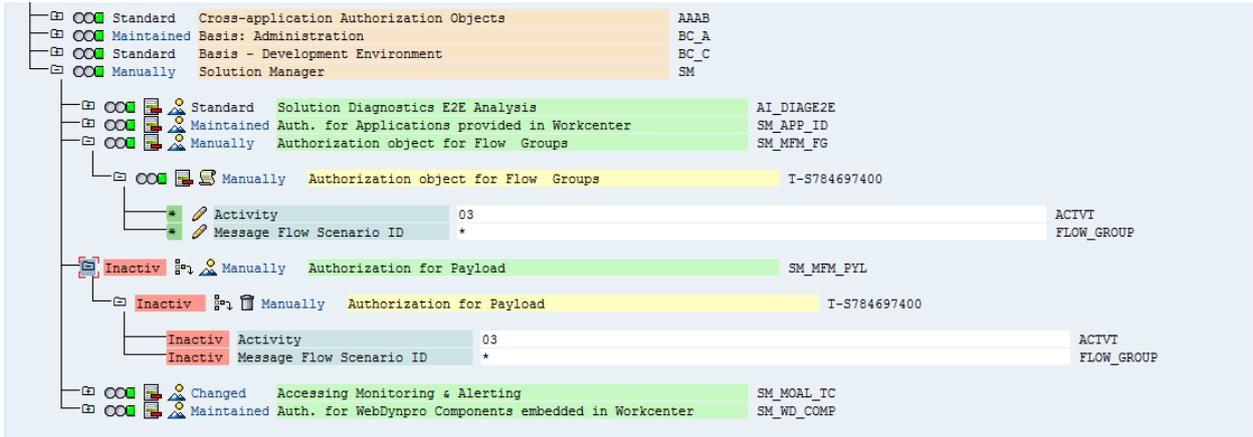
Run transaction PFCG→ Create the Z role as a copy of SAP role→Edit the Authorization Object SM\_MFM\_FG→ Add the Flow groups you would like to give authorization to Monitor→ Generate the profile and assign the role to the user.

## The user is not allowed to view the payload information of a flow. How can I give the display permission to view payload?

The SAP Delivered user roles that influences this behavior are SAP\_SM\_MFM\_LEVEL01(Level1) OR SAP\_SM\_MFM\_LEVEL02( Level2) OR SAP\_MFM\_CONF\_COMP( Configuration). The Authorization object SM\_MFM\_PYL is maintained to restrict the display of payload.

Eg: SAP\_SM\_MFM\_LEVEL01

The Authorization object SM\_MFM\_PYL is inactive. This means the user with this role cannot view payload for the flows which the user is authorized to monitor.



In order to allow the display of payload, it is recommended to create a "Z\_" role of the SAP Role and edit the role as per the requirement. Assigned the "Z\_" to the users .

Run transaction PFCG → Create the Z role as a copy of SAP role → Edit the Authorization Object SM\_MFM\_PYL → Add the Flow groups you would like to give authorization to view payload → Generate the profile and assign the role to the user.

## Flow A is part of FlowGroup1 and FlowGroup2. The user A is authorized to monitor FlowGroup1 and is not authorized to monitor FlowGroup2. Can he monitor Flow A.

Yes, the user can monitor Flow A, as the user got authorized to monitor it through FlowGroup1.