



# How To... Monitor Messages in SAP NetWeaver Mobile 7.1

Applicable Releases:

SAP NetWeaver 7.1 SP07 and above

Topic Area:

User Productivity

Capability:

Mobile

Version 1.0

June 2009

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## Document History

<b>Document Version</b>	<b>Description</b>
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1.00	First official release of this guide
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## Typographic Conventions

Type Style	Description
<i>Example Text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.  Cross-references to other documentation
<b>Example text</b>	Emphasized words or phrases in body text, graphic titles, and table titles
Example text	File and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
<b>Example text</b>	User entry texts. These are words or characters that you enter in the system exactly as they appear in the documentation.
<b>&lt;Example text&gt;</b>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

## Icons

Icon	Description
	Caution
	Note or Important
	Example
	Recommendation or Tip

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## 1. Scenario

Sometimes data do not reach the desired recipients or data do not get loaded which leads to the situation that expecting data are not downloaded or uploaded. You can find out where and what was causing the error in the message monitoring tool of the admin portal. This tool can be used to see the currently processed messages as well as processed successfully. In case of erroneous message, after resolving such an error, you can reprocess it within this tool.

## 2. Prerequisites

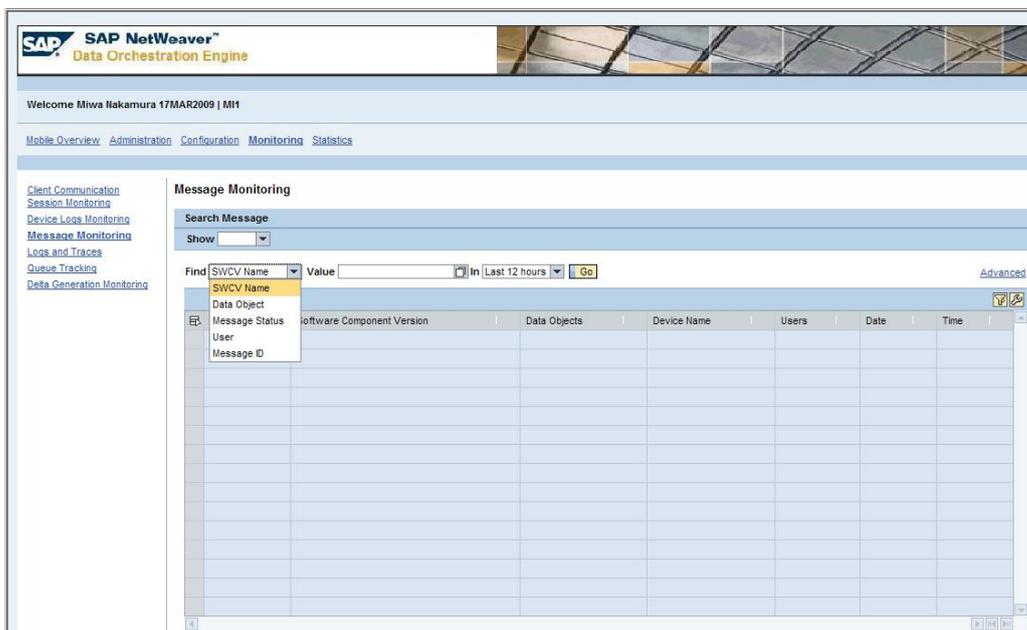
In order to work as a mobile administrator, you have to have specific authorizations. Refer to the link below for the details.

- [http://help.sap.com/saphelp\\_nwmobile71/helpdata/en/f8/b6863f445f4617e1000000a114084/frameset.htm](http://help.sap.com/saphelp_nwmobile71/helpdata/en/f8/b6863f445f4617e1000000a114084/frameset.htm)

## 3. Step-by-Step Procedure

### 3.1 Finding Errors

1. Logon to the Mobile 7.1 middleware system.
2. Launch Admin and Monitoring Portal by following *User menu* → *Data Orchestration Engine* → *Data Orchestration Admin and Monitoring Portal*. Logon to the portal, if necessary.
3. Go to *Monitoring* → *Message Monitoring*. In *Basic* search (default), you can filter messages by either SWCV Name, Data Object, Message Status, User, or Message ID in predefined duration of time.



#### Note

If you choose *Advanced* search, you can set more refined search criteria.

Message Monitoring

Search Message

Show

Advanced Search Basic

SWCV Name:

Status:

Flow Blue Print:

Sender Device:

Extract Key:

Data Object:

State Description:

Message Type:

Service Name:

Number of Hits:

No Limitation  Yesterday  Today  1 Hour

5 Minutes  Other Selection

Date (From):

Date (To):

Time (From):

Time (To):

User (Creat):

Message ID:

Press *Save as...* button and give a name if you want to keep this set of search criteria.

#### Note

Refer to Appendix for description of error state.

Note

For available Flow Blue Print and Service Name, refer to [http://help.sap.com/saphelp\\_nwmobile71/helpdata/en/b3/16420ad8c641a6919e8d505e6f2aa3/frameset.htm](http://help.sap.com/saphelp_nwmobile71/helpdata/en/b3/16420ad8c641a6919e8d505e6f2aa3/frameset.htm)

4. Press Go. Selected message's message details. Also either receivers or error, depending on the message was successfully processed or ended up with error, will be displayed below.

The screenshot shows the SAP NetWeaver Mobile interface. At the top, there are buttons for 'Go', 'Clear', and 'Save as...'. Below that is a toolbar with buttons: 'Export', 'Check Consistency', 'Restart Message', 'View History', 'View Message', 'View Logs', 'View Errors', 'Refresh', 'Troubleshoot', and 'Delete'. The main area is a table with columns: Status, Software Component Version, Data Objects, Device Name, Users, Date, and Time. The first row is highlighted in orange and has a red box around it. Below the table, there is a 'Message Details' section with a red box around it, showing the following information:

SAP BASIS 7.10	
Data object:	SYSTEM_MESSAGE
User:	NAKAMURAMI
Time:	09:37:40
Extract Key:	000C29D1E2931DEE82AC1C5171700731
Process ID:	000C29D1E2931DEE82AC1C5171702731
Message Type:	Transaction
Message State:	Final
Date:	05.03.2009
Device Name:	
Service:	
FBP:	MMW_FLOW_INBOUND_BACKEND

5. For messages with error status, fix the problem manually before restarting the message. Troubleshooting hint is available as well as detailed error message.

**Message Monitoring**

Search Message  
Show

Find  Message Status Value Failure In Last 12 hours  Advanced

Status	Software Component Version	Data Objects	Device Name	Users	Date	Time
✘	TR_DATA_MODEL_M71 , 1 of MN	ORDER	MN20090408	NAKAMURAMI	13.04.2009	14:30:44

**Trouble Shooting**

VAL\_FAIL

Problem:  
Backend validation has failed for the message

Description:  
Validation can fail in the following cases:  
1. Backend system has rejected the message  
2. Backend system is down/ not reachable

How to Resolve:  
Check the RFC connection and make sure the Backend system is up and reachable from the host system. Also, verify whether the message contains valid data. You can also refer to the backend logs and traces for more information on the validation error.

Message Details **Errors**

Error Source	Msg Type	Service Name	Message
BACKEND	✘	VALIDATION_SERVICE	E.BGMSG:000 PERCENTAGE only can have values from 0 to 100.

### 3.1.1 Checking the consistency of error message

Before reprocessing the message, you can check if it can be reprocessed successfully.

1. Select the message and press *Check Consistency* button.

SAP NetWeaver™  
Data Orchestration Engine

Welcome Miwa NAKAMURA 03APR2009 | M71

Mobile Overview Administration Configuration Monitoring Statistics

Client Communication  
Session Monitoring  
Device Logs Monitoring  
**Message Monitoring**  
Logs and Traces  
Queue Tracking  
Delta Generation Monitoring

**Message Monitoring**

Search Message

Find  SWCV Name Value  In Last 12 hours  Advanced

Status	Software Component Version	Data Objects	Device Name	Users	Date	Time
✔	ZTR_DATA_MODEL_M11 , 1.0 of MN	ORDER		NAKAMURAMI	03.04.2009	09:57:04
✘	ZTR_DATA_MODEL_M11 , 1.0 of MN	ORDER	MN20090403	NAKAMURAMI	03.04.2009	09:56:00
✘	ZTR_DATA_MODEL_M11 , 1.0 of MN	ORDER	MN20090403	NAKAMURAMI	03.04.2009	09:55:45
✘	ZTR_DATA_MODEL_M11 , 1.0 of MN	ORDER	MN20090403	NAKAMURAMI	03.04.2009	09:54:58
✘	ZTR_DATA_MODEL_M11 , 1.0 of MN	ORDER	MN20090403	NAKAMURAMI	03.04.2009	09:53:54
✔	ZTR_DATA_MODEL_M11 , 1.0 of MN	ORFR	MN20090403	NAKAMURAMI	03.04.2009	09:51:21

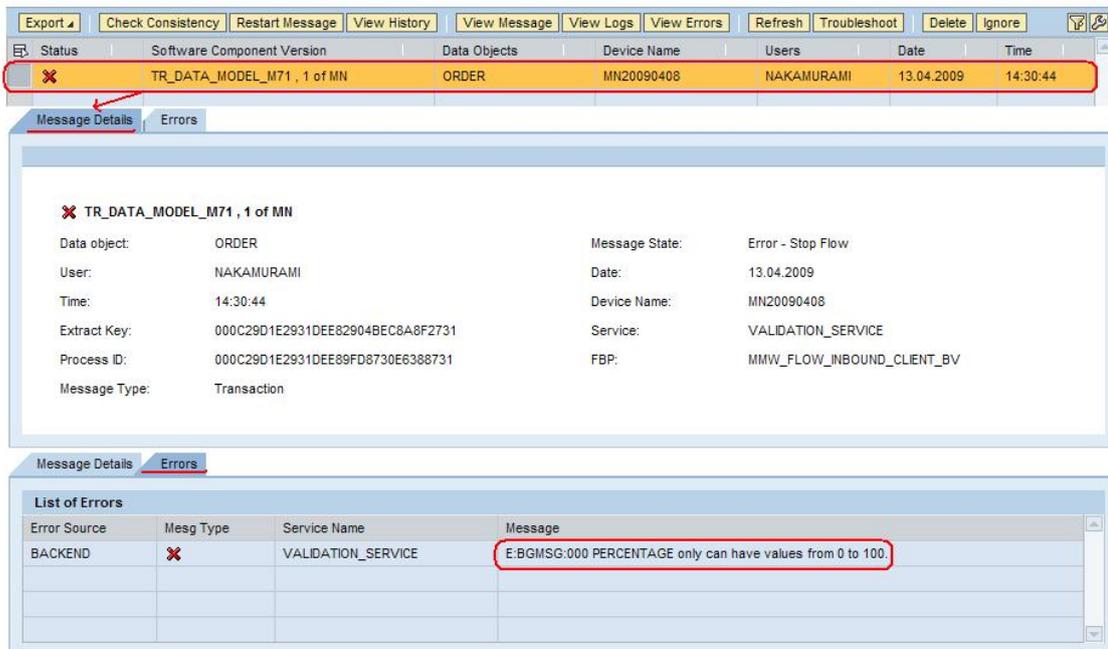
2. The message will be checked against the current CDS data. If the message is outdated and cannot be reprocessed, you will see such information. If no inconsistency is found, you can proceed to resolve the error and reprocess.



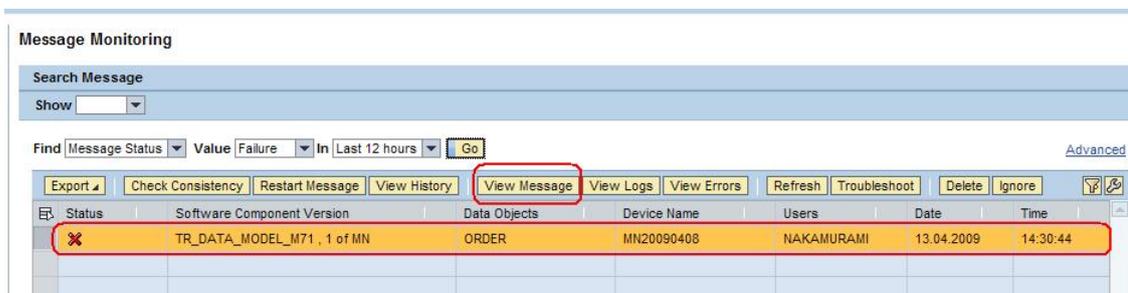
### 3.1.2 Correcting the Message Containing Invalid Data and Reprocessing It Manually

When the trouble shooting suggests verifying whether the message contains valid data, you can check and correct it as follows.

1. Select the message and check the error message below.



2. In this case, validation of the message coming from the client system failed. You need to correct the data in the message. To do so, select the message and press *View Message* button.



3. Expand the *Message Structure*. The upper table shows data received from the client. Only the updated fields contain data. Press *Change*.

Back

**Message Structure**

- ORDER
  - ORDERHEADER
  - ORDERITEM

**Message Content**

Restart Change Check Error Details

Click on the tree node to view content

SYNCKEY_MMW	PSYNCKEY	ORDERID	ITEMNO	EQUIPTYPE	ITEMTEXT	PERC_DONE
000C29D1E2931DEE82904BEC8A902731	000C29D1E2931DEE82904BEC8A8F2731					120

**Modified Message Body**

Message contents was modified last by Service: VALIDATION\_SERVICE

SYNCKEY_MMW	PSYNCKEY	ORDERID	ITEMNO	EQUIPTYPE	ITEMTEXT	PERC_DONE
000C29D1E2931DEE82904BEC8A902731	000C29D1E2931DEE82904BEC8A8F2731	00000002	0010	EQ01	Clean Floor	120

**Current CDS state**

SYNCKEY_MMW	PSYNCKEY	ORDERID	ITEMNO	EQUIPTYPE	ITEMTEXT	PERC_DONE
000C29D1E2931DEE82904BEC8A902731	000C29D1E2931DEE82904BEC8A8F2731	00000002	0010	EQ01	Clean Floor	

4. Correct the data in the upper table, and press *Restart*.

**Message Content**

Restart Change Check Error Details

Click on the tree node to view content

SYNCKEY_MMW	PSYNCKEY	ORDERID	ITEMNO	EQUIPTYPE	ITEMTEXT	PERC_DONE
000C29D1E2931DEE82904BEC8A902731	000C29D1E2931DEE82904BEC8A8F2731					80

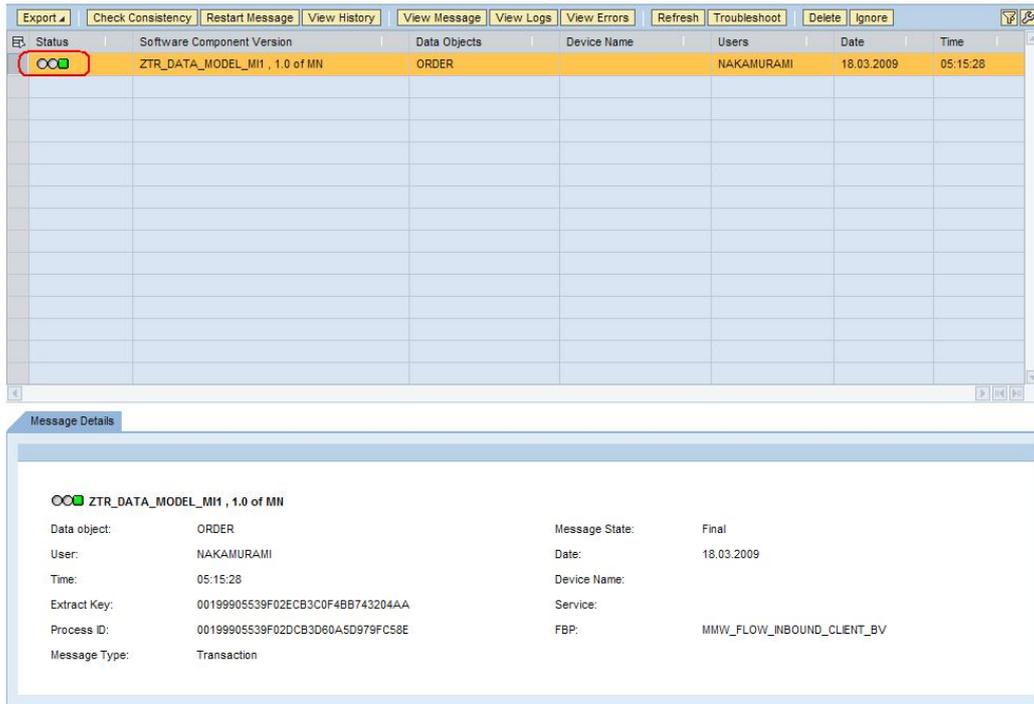
**Modified Message Body**

Message contents was modified last by Service: VALIDATION\_SERVICE

SYNCKEY_MMW	PSYNCKEY	ORDERID	ITEMNO	EQUIPTYPE	ITEMTEXT	PERC_DONE
000C29D1E2931DEE82904BEC8A902731	000C29D1E2931DEE82904BEC8A8F2731	00000002	0010	EQ01	Clean Floor	120

You will see Message restarted; see restart history for details . Press *Back* button.

5. Press *View History* button.



The screenshot shows the SAP NetWeaver Mobile 7.1 interface. At the top, there is a menu bar with options: Export, Check Consistency, Restart Message, View History, View Message, View Logs, View Errors, Refresh, Troubleshoot, Delete, and Ignore. Below the menu is a table with columns: Status, Software Component Version, Data Objects, Device Name, Users, Date, and Time. The first row is highlighted in yellow and contains the following data: Status: OO (circled in red), Software Component Version: ZTR\_DATA\_MODEL\_MH1 , 1.0 of MN, Data Objects: ORDER, Device Name: NAKAMURAMI, Users: NAKAMURAMI, Date: 18.03.2009, Time: 05:15:28. Below the table is a 'Message Details' window. It displays the following information:

OO ZTR_DATA_MODEL_MH1 , 1.0 of MN			
Data object:	ORDER	Message State:	Final
User:	NAKAMURAMI	Date:	18.03.2009
Time:	05:15:28	Device Name:	
Extract Key:	00199905539F02ECB3C0F4BB743204AA	Service:	
Process ID:	00199905539F02DCB3D60A5D979FC58E	FBP:	MMW_FLOW_INBOUND_CLIENT_BV
Message Type:	Transaction		

The message has been reprocessed with valid data.

#### Note

A new message will be created when the message is reprocessed. The original message remains with the status  "Restart Successful" or  "Restart Failed". By selecting the original message and pressing *View History*, the details of reprocessed message can be viewed.

6. Make sure that the device inbound queue is not blocked for that device. You can check it from *Administration* → *Device Administration* or *Mobile Overview* → *System Status*, if the system status is configured.

### 3.1.3 Automatic Message Reprocessing

Messages with certain types of error, for example, messages' flow stopped because the backend system was down, can be reprocessed automatically. To do so, you need to configure the status registration.

#### Important

If you are using SP07 or below, apply note 1313798 -- Automatic Restart of Error messages.

1. From SAP Easy Access, go to *Data Orchestration Engine* → *Administration* → *Utilities* → *Background Job Monitor*, or call transaction `SDOE_BG_JOB_MONITOR`.
2. Under *DOE Background Jobs*, expand *Monitoring: Message Restart*, and double click *Schedule Job*.
3. Press  button.

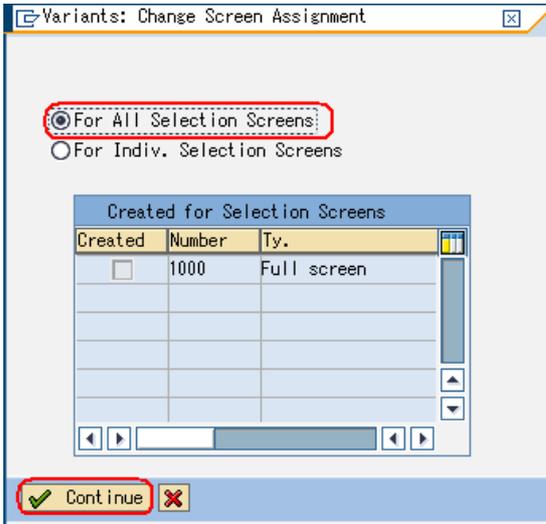
#### Note

If there is any variant already, you may skip step 3 to 7.

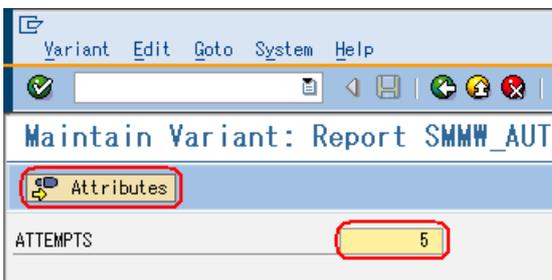
4. Provide an arbitrary variant name and press *Create* button.



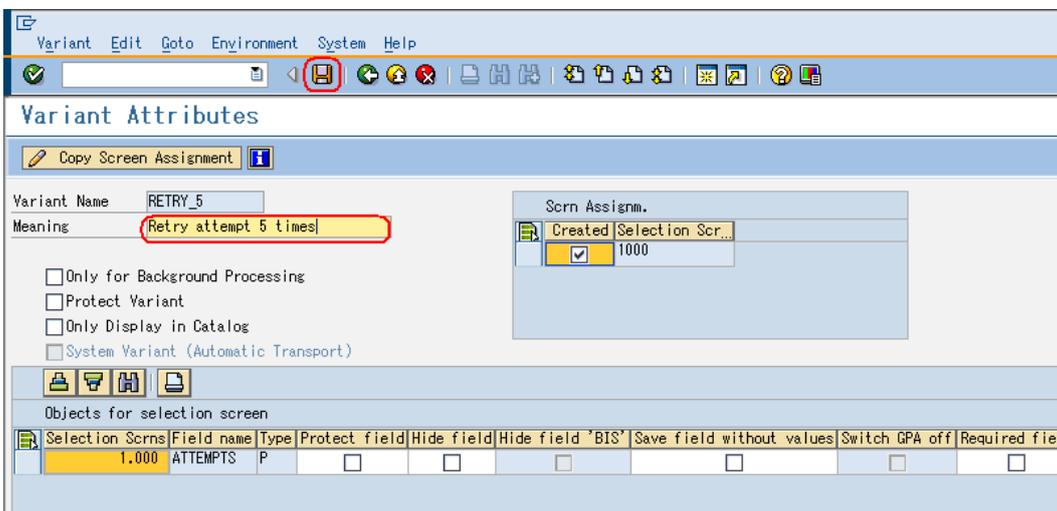
5. Select *For All Selection Screens* and Press *Continue* button.



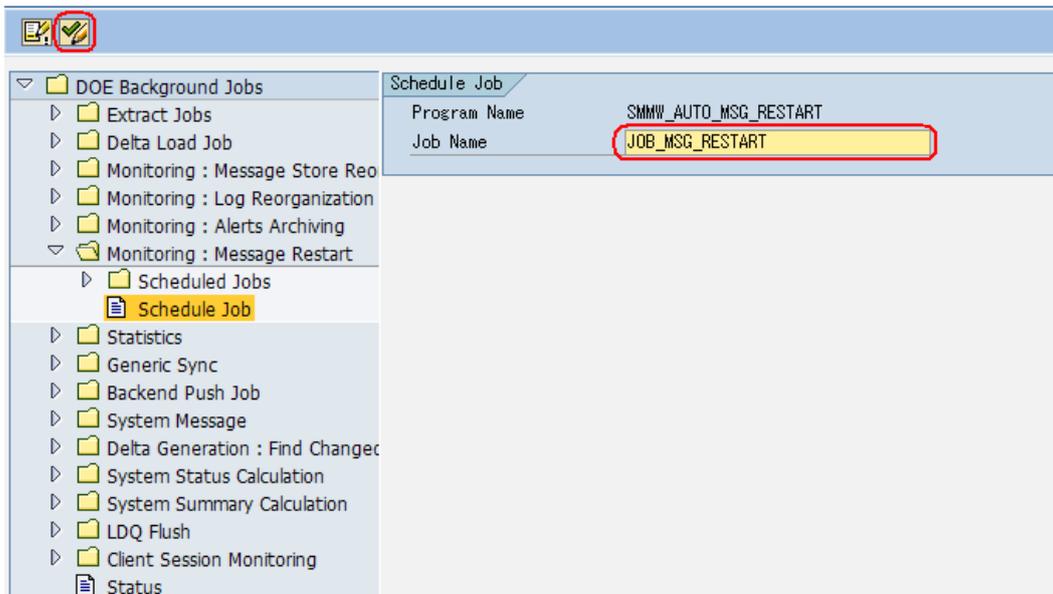
6. Enter the number of retry attempts then press *Attributes* button.



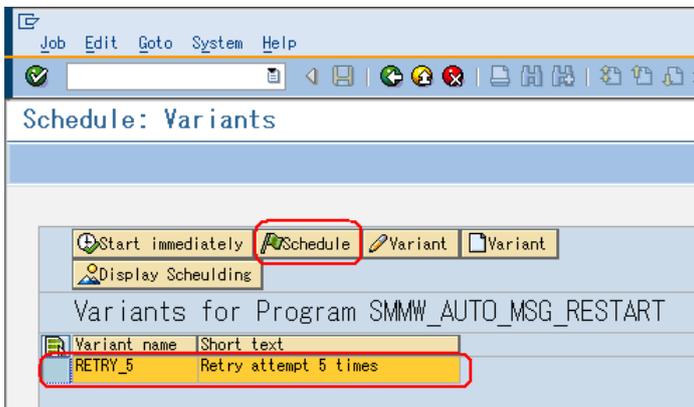
7. Enter a short description and press *Save* button. Then press *Back* to go back to the SAP Data Orchestration Engine Background Job Monitoring



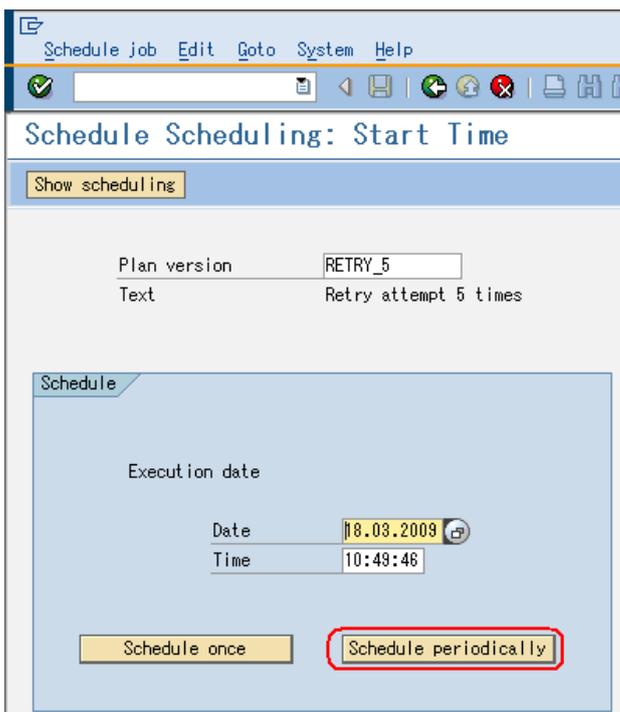
8. Provide an arbitrary job name and press button.



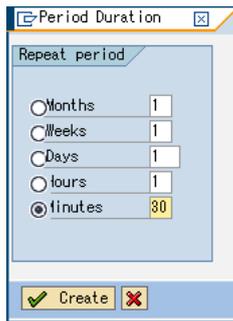
9. Select a variant and press *Schedule*.



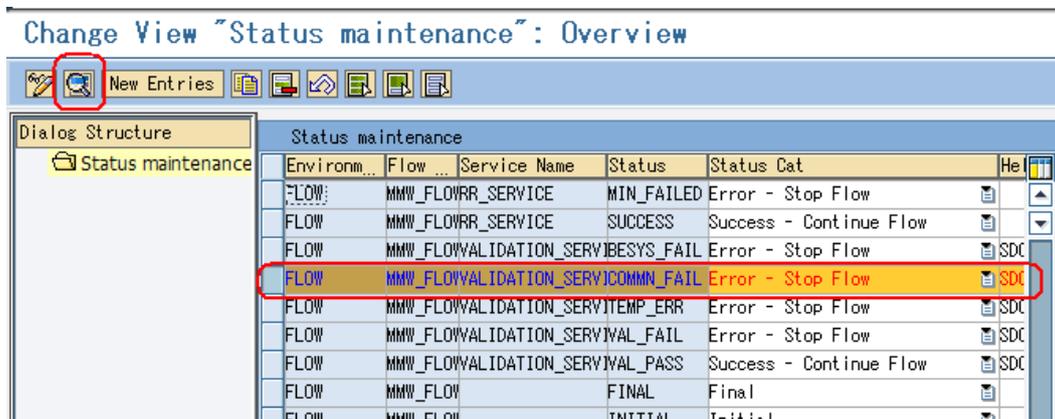
10. Press *Schedule periodically*.



- Specify the interval of retry and press *Create*.



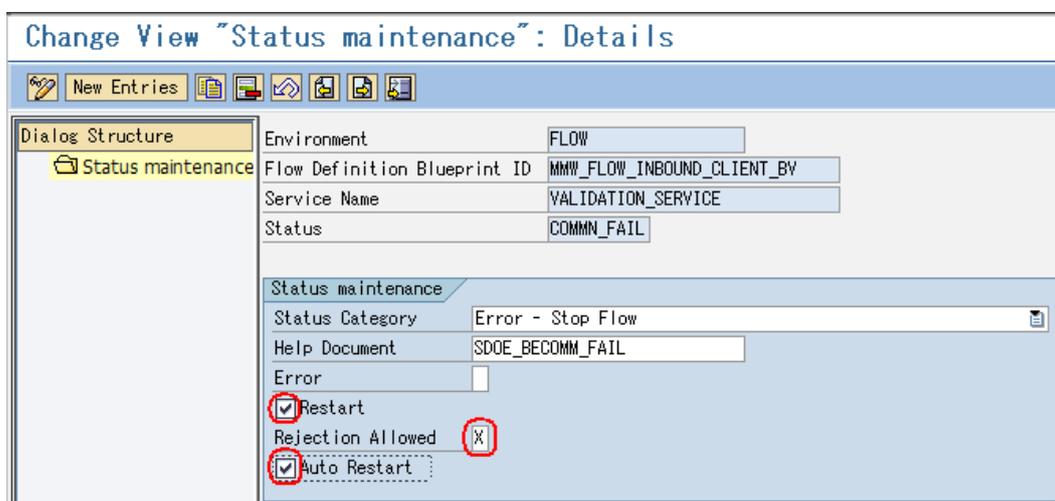
- From SAP Easy Access, go to *Data Orchestration Engine* → *Configuration* → *Status Registration for Flow Services*, or call transaction `SDOE_STATUS_REG`.
- Press *Display*->*Change* button.
- Select the flow blue print name, service name and error code that you want to make it automatic reprocessing. Here, we will select `COMM_FAIL` as an example for communication failure with backend. Press *Details* button.



- Put  in both *Restart* and *Auto Restart* checkboxes. And Insert X-Mark in *Rejection Allowed* if you want to send a rejection message after some number of retries fails.

**Note**

Do not mark *Rejection Allowed* for backend download messages. It is only for upload messages from the device.



16. Press Save button.
17. Reprocess blocked queue, if applicable.

### 3.1.4 Ignoring Messages

When an erroneous message is no longer necessary to be processed, you can choose to ignore the message. This message will be excluded from further processing and considered as completed. The *Ignore* button is only visible for the messages which are not completed.

1. Choose the message(s) which should be set to exclude from further processing.

**Note**

You can select multiple messages by clicking on a message while you press <CTRL> key, or select consecutive messages by, first, select the starting point, and select the ending point while you press <Shift> key. You can also select all messages from icon.

**Message Monitoring**

Search Message

Show

Find SWCV Name Value  In All  [Advanced](#)

Export Check Consistency Restart Message View History View Message View Logs View Errors Refresh

Troubleshoot Delete Ignore

Status	Software Component Version	Data Objects	Device Name	Users	Date	Time
	TR_DATA_MODEL_M71 , 1 of MN	ORDER	MN20090501	NAKAMURAMI	11.05.2009	19:35:19
	TR_DATA_MODEL_M71 , 1 of MN	ORDER	MN20090501	NAKAMURAMI	11.05.2009	19:34:18
	TR_DATA_MODEL_M71 , 1 of MN	ORDER	MN20090501	NAKAMURAMI	11.05.2009	19:19:44
	SAP BASIS 7.10	DEPLOYMENT_STATUS		NAKAMURAMI	01.05.2009	13:52:11
	SAP BASIS 7.10	DEPLOYMENT_STATUS		NAKAMURAMI	01.05.2009	13:52:11

2. Press *Ignore* button.

**Message Monitoring**

Search Message

Show

Find SWCV Name Value  In All  [Advanced](#)

Export Check Consistency Restart Message View History View Message View Logs View Errors Refresh

Troubleshoot Delete **Ignore**

Status	Software Component Version	Data Objects	Device Name	Users	Date	Time
	TR_DATA_MODEL_M71 , 1 of MN	ORDER	MN20090501	NAKAMURAMI	11.05.2009	19:35:19
	TR_DATA_MODEL_M71 , 1 of MN	ORDER	MN20090501	NAKAMURAMI	11.05.2009	19:34:18
	TR_DATA_MODEL_M71 , 1 of MN	ORDER	MN20090501	NAKAMURAMI	11.05.2009	19:19:44
	SAP BASIS 7.10	DEPLOYMENT_STATUS		NAKAMURAMI	01.05.2009	13:52:11

3. The message status will be set to "Ignore". You can choose to delete these messages.

**Message Monitoring**

Search Message

Show

Find SWCV Name Value  In All  Advanced

Status	Software Component Version	Data Objects	Device Name	Users	Date	Time
	TR_DATA_MODEL_M71 , 1 of MN	ORDER	MN20090501	NAKAMURAMI	11.05.2009	19:35:19
	TR_DATA_MODEL_M71 , 1 of MN	ORDER	MN20090501	NAKAMURAMI		19:34:18
	TR_DATA_MODEL_M71 , 1 of MN	ORDER	MN20090501	NAKAMURAMI		19:19:44
	SAP BASIS 7.10	DEPLOYMENT_STATUS		NAKAMURAMI	01.05.2009	13:52:11
	SAP BASIS 7.10	DEPLOYMENT_STATUS		NAKAMURAMI		13:52:00
	SAP BASIS 7.10	DEPLOYMENT_STATUS		NAKAMURAMI		13:52:00
	SAP BASIS 7.10	DEPLOYMENT_STATUS		NAKAMURAMI		13:51:59
	SAP BASIS 7.10	DEPLOYMENT_STATUS		NAKAMURAMI		13:52:11
	SAP BASIS 7.10	DEPLOYMENT_STATUS		NAKAMURAMI		13:52:11

### 3.1.5 Deleting Messages

Messages processed by DOE grow significantly if they are not deleted periodically. From the message monitoring tool, you can choose the messages and delete them.

1. Choose the message(s) which you want to delete.

**Note**

You can select multiple messages by clicking on a message while you press <CTRL> key, or select consecutive messages by, first, select the starting point, and select the ending point while you press <Shift> key. You can also select all messages from icon.

**Message Monitoring**

Search Message

Show

Find SWCV Name Value  In Last 12 hours  Advanced

Status	Software Component Version	Data Objects	Device Name	Users	Date	Time
	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:16
	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:16
	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:16
	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:15
	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:15
	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:14
	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:14
	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:14
	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:14
	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:13
	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:13
	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:13
	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:13

2. Press *Delete* button.

**Message Monitoring**

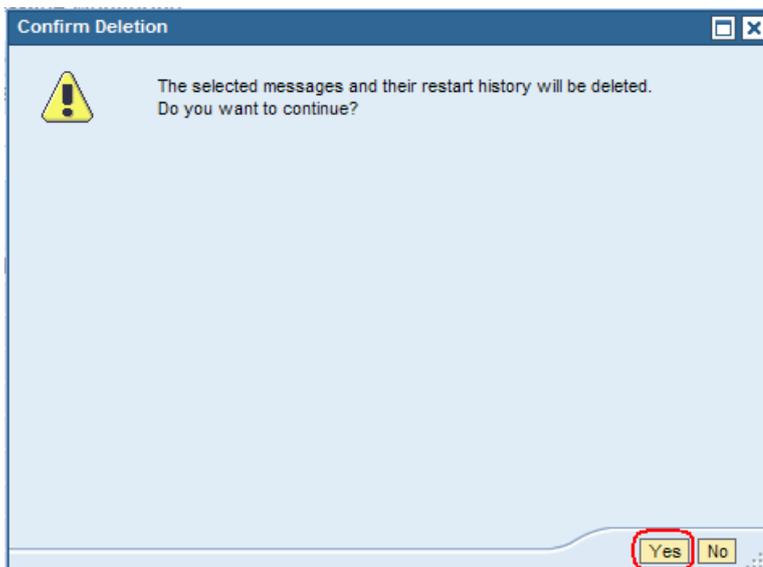
Search Message

Show

Find SWCV Name Value  In Last 12 hours  [Advanced](#)

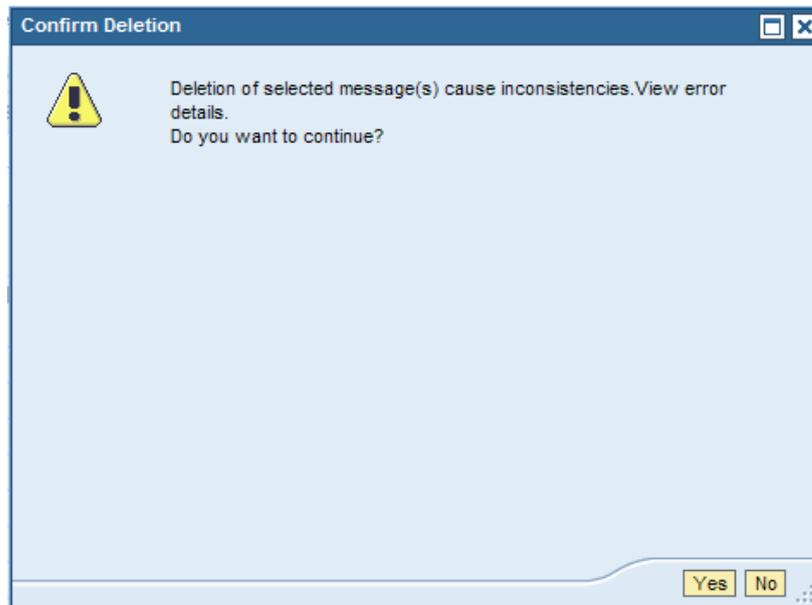
Status	Software Component Version	Data Objects	Device Name	Users	Date	Time
✓	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:16
✓	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:16
✓	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:16
✓	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:15
✓	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:15
✓	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:14
✓	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:14
✓	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:14
✓	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:14
✓	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:13
✓	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:13
✓	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:13
✓	SAP BASIS 7.10	AGENT_CONFIG		NAKAMURAMI	21.05.2009	18:04:13
✓	SAP BASIS 7.10	CLIENT_FEEDBACK	MN20090521	NAKAMURAMI	21.05.2009	18:04:12

3. Choose Yes for confirmation pop-up. This will delete the selected message and their restart history, if any.



**Note**

If the deletion of the message causes inconsistency, the following screen pops up. Choose *No* unless you are absolutely sure.



 Note

Message deletion can also be scheduled as a background job. Please refer to Appendix C for the details.

## 4. Appendix

### Appendix A – Error State Description Code

You can search for specific error state in advanced search mode. First set *Status* to *Failure*, then you can select one of the state descriptions below. You may also specify flow blueprint name to refine the search.

 **Note**

You can view available flow blueprints, services, and states in the transaction code **SDOE\_STATUS\_REG**.

State Code	Description
ALERT_FAIL	Contact SAP
BESYS_FFFAIL	System error occurred while making RFC calls to the back-end system
CNFLCT_FND	Conflict has been detected during message processing
COML_MSG_E	Conflict has been detected during message processing
COML_MSG_R	Conflict has been detected during message processing
COMMN_FAIL	Communication problem has occurred while making RFC calls to the back-end system
DEL_FAILED	Error occurred while deleting record in CDS table
DEP_FAILED	Device-id has not been filled in message header
DEV_INIT	Device-id has not been filled in message header
DEV_NT_FOU	Specified device could not be found in receiver store
FLW_FAILED	Message posted to flow has failed
HRMNZN_ERR	Harmonization error occurred during device reassignment
INS_FAILED	Error occurred while inserting record in CDS table
INST_NFND	The record to be fetched cannot be found in the CDS
INTLD_FAIL	Error occurred while initial load
INV_TASK	Record has invalid task and hence message could not be processed
INVLD_NODE	Specified node is not a valid node
LOG_FAILED	Contact SAP
MAJ_FAILED	Major realignment by subscription change has failed
MIN_FAILED	Minor realignment by data object change has failed
PC_REF_INT	Parent-child referential integrity could not be established
QNAME_NOTF	Queue name could not be found for specified device
REC_NOTFND	The record to be fetched cannot be found in the CDS
RLIST_INIT	Receiver list is empty
SK_FTCH_ER	Error occurred while trying to generate synchronization key

SYNKEY_INI	Record does not have synckey filled in it
TEMP_ERR	Temporary error while making RFC calls to the back-end system
UPD_FAILED	Error occurred while updating record in CDS table
VAL_FAIL	Back-end system validation was unsuccessful for the message
VAL_PASS	Backend system validation was successful
XSLT_ERROR	XSLT error during transformation

## Appendix B – Message Type

Message Type	Direction	
Transaction	Client → Server	Client will get Confirmation or Rejection message
Confirmation	Server → Client	Response to Transaction message sent from the client
Import	Server → Client	Data updated by other clients or in backend
Zap Message	Server → Client	Clear all data object in the client
Current State	Server → Client	Current state of CDS tables
Rejection	Server → Client	Rejection response to Transaction message sent from the client
Multiple	Server → Client	Holding multiple number of records in one message

## Appendix C – Deleting Messages in Background

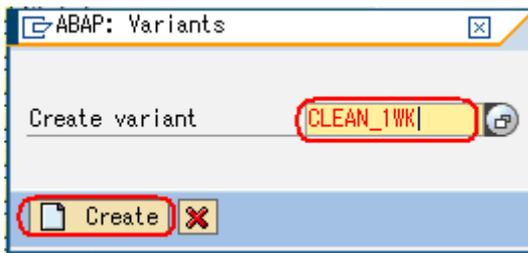
Because the message store area increases, messages need to be clean up periodically. This can be done in scheduling a background job and it is mandatory setting.

4. From SAP Easy Access, go to *Data Orchestration Engine* → *Administration* → *Utilities* → *Background Job Monitor*, or call transaction `SDOE_BG_JOB_MONITOR`.
5. Under *DOE Background Jobs*, expand *Monitoring: Message Store Reorganization*, and double click *Schedule Job*.
6. Press  button.

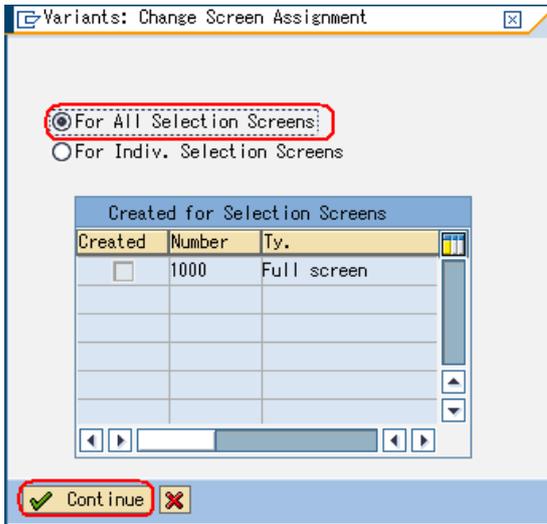
### Note

If there is any variant already, you may skip step 3 to 7.

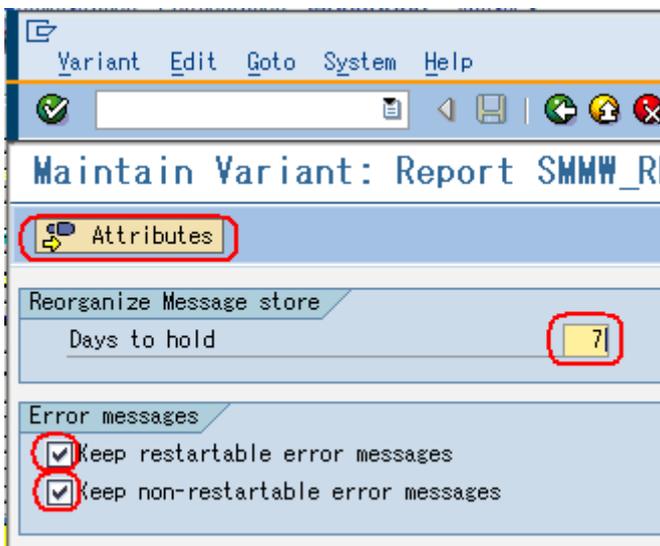
7. Provide an arbitrary variant name and press *Create* button.



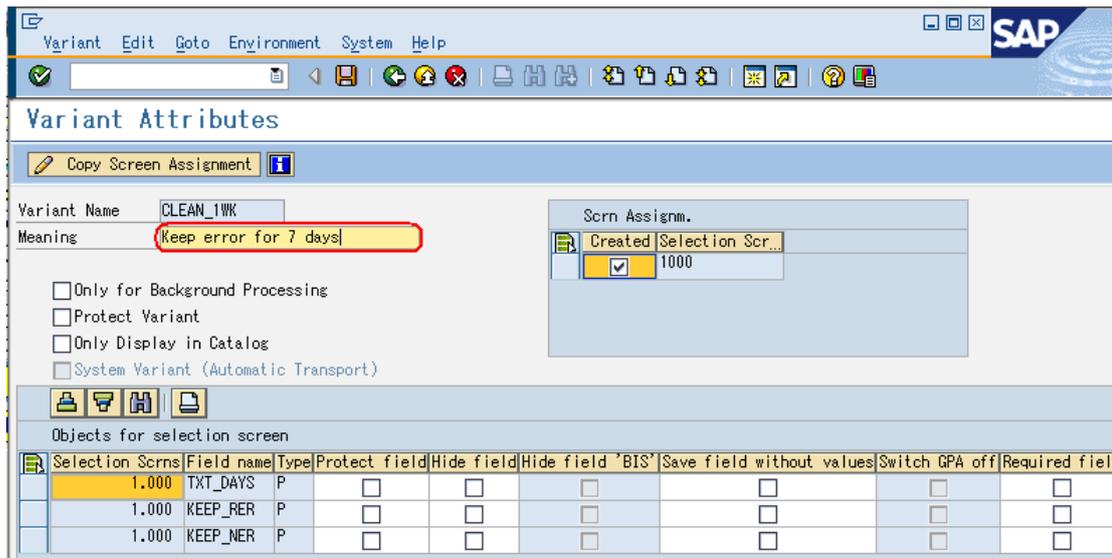
8. Select *For All Selection Screens* and Press *Continue* button.



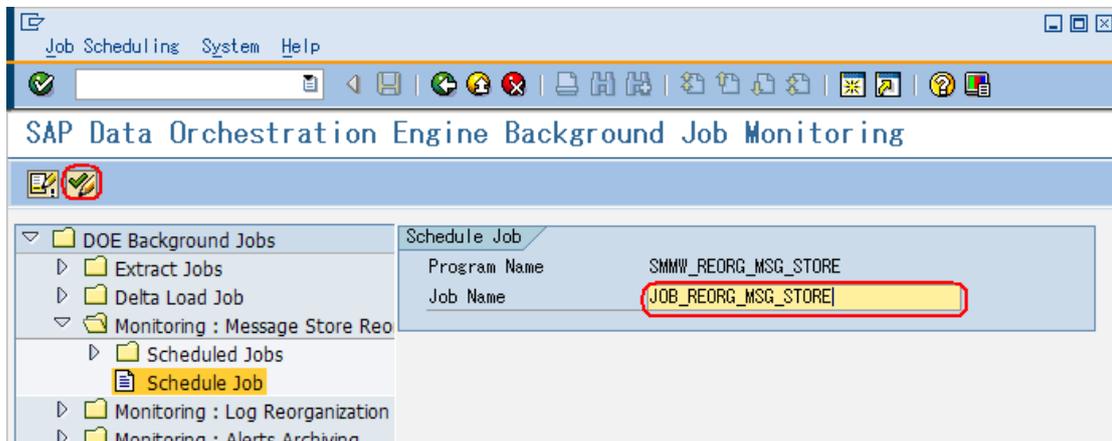
9. Enter how long the messages should be kept in message store, mark/un-mark *Keep restartable error messages* and *Keep non-restartable error messages*. Then press *Attributes* button.



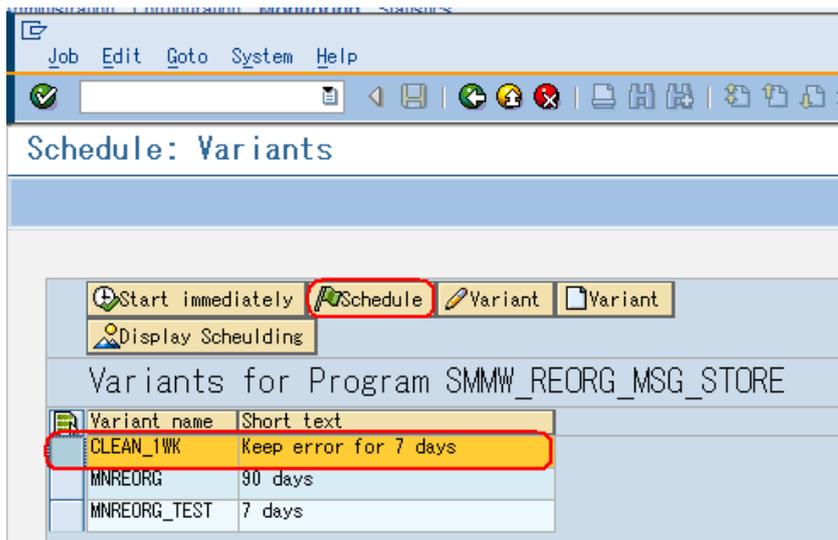
10. Enter a short description and press *Save* button. Then press *Back* to go back to the SAP Data Orchestration Engine Background Job Monitoring



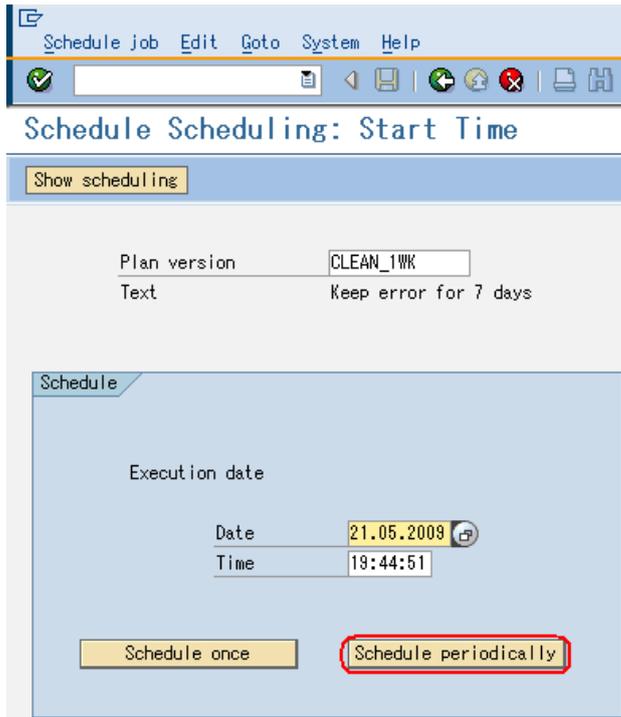
11. Provide an arbitrary job name and press button.



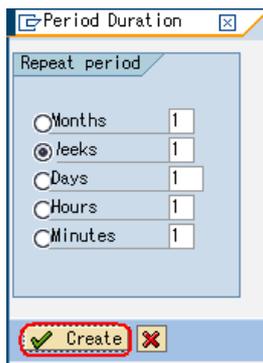
12. Select a variant and press *Schedule*.



13. Press *Schedule periodically*.



14. Specify the interval of retry and press *Create*.



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