

System Copy Guidelines for SAP NetWeaver Mobile



Applies to:

SAP NetWeaver Mobile 7.1 (Data Orchestration Engine). For more information, visit the [Mobile homepage](#).

Summary

This document explains about the guidelines for configuration and maintenance of DOE after a System Copy.

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Table of Contents

1. Focus.....	3
2. Business Scenario	3
3. Prerequisites	3
4. Step-by-Step Procedure.....	3
4.1 Clean-up of CDS Contents.....	3
4.2 Clean-up of statistics, logs and devices	3
4.3 Check the status of DOE specific queues.....	3
4.4 Maintain the configuration parameters.....	4
4.5 Deactivate rules and trigger load for data objects	5
Related Content.....	6
Copyright	7

1. Focus

This document aims to identify the steps to be executed and key points to be checked for the DOE to be fully functional, after a system copy is done.

The intended audience for the document is:

- Development consultants
- DOE Administrators

2. Business Scenario

A system copy can be done with the purpose to have an additional SAP NetWeaver Mobile Infrastructure system. As a result of the copy, you will have mobile device dependent data and runtime history data in the target system that needs to be deleted; furthermore, some configuration settings need to be adjusted.

3. Prerequisites

A system copy has been done successfully by the system administrator.

4. Step-by-Step Procedure

This section describes the various checkpoints to be checked in the target system and the required steps to be executed. Primarily after a system copy, we need to do a thorough cleanup of the DOE, so that it becomes fully functional with the new Backend System. Also, some configuration settings are needed to be maintained. Things to check after a system copy has been done are:

1. Clean-up of CDS contents
2. Clean-up of statistics, logs and devices
3. Check the status of DOE specific queues
4. Maintaining configuration parameters
5. Triggering load for the data objects

4.1 Clean-up of CDS Contents

To clean the CDS contents, open the transaction SDOE_CLEANUP and select the SWCV for which the clean-up needs to be run. Execute the transaction and that will clear out the contents of the CDS corresponding to the selected SWCV.

4.2 Clean-up of statistics, logs and devices

After a system copy is done, the existing devices, logs and other statistics become irrelevant for the newly setup system. To clean the same, goto transaction se38 and execute the report "SDOE_DATA_CLEANUP".

4.3 Check the status of DOE specific queues.

The DOE queues should be active in the target client. To check for the same go to the transaction smqr and look for the queues with pattern DOE*, SDOE*, MMW* and SMMW*.

qRFC Monitor (QIN Scheduler)

Scheduler Information

Scheduler Status : **STARTING**
 Last Update (Every 2 Minutes) : 02.07.2009 10:17:47
 Name of AS Group (DEFAULT = All): %VER_usciu8c_U8C_26
 Number of Entries Displayed : 1174
 Host ID : usciu8c_U8C_26
 Number of Active Connections : 0

Queue ID	Queue name	Type	Mode	Max. Runtime	Attempts	Pause
000	DOE*	R	D	30	10	120
000	MMW_BAPI_MTM_TEMPLATE	U	D	60	30	300
000	MMW_DELETE_DEVICE	R	D	30	10	120
000	MMW_Q_0000000000000000121	U	D	60	30	300

The queue with patterns DOE*, SMMW*, MMW* and SDOE* should be in registered mode (Type R). If not, then select the queue and click on 'Registration' and register the queue.

4.4 Maintain the configuration parameters

After a successful system copy, the newly setup DOE must be configured with the appropriate configuration parameter values e.g. Backend Configurations/ Statistics Configurations.

To set the parameter values to the default, open the transaction SDOE_SR and select the step 'Create Default Agent Parameter Values' as shown below and press 'Execute'.

DOE Setup and Repair

Execute Setup | **Execute Repair** | **Schedule Setup** | **Schedule Repair** | **Job Details** | **Create Variant**

DOE Operations

- Initial Setup of DOE (Status: CC, 2)
 - DOE Parameters setup (Status: Green, 3)
 - Parameters for Device Registration (Status: Green, 1)
 - Cleanup of BASIS data objects (Status: Green, 4)
 - Activation of BASIS objects post cleanup (Status: Green, 5)
 - Namespace change for Authorization Object (Status: Green, 6)
 - Configuring DEFAULT channel for system (Status: Diamond, 7)
 - Delta Generation Setup (Status: Green, 0)
 - Enable old SWCV for Deletion (Status: Green, 9)
 - Create Default Agent Parameter Values** (Status: Green, F)

Configuration Details for Setup or Repair

Mandatory for Execution

Change Details

Created By
 Creation Date
 Creation Time
 Modified By
 Modified Date
 Modified Time

Execution Details

Job Status
 Job Details

Similarly, execute the steps 'DOE Parameters setup' and 'Parameters for Device Registration'.

4.5 Deactivate rules and trigger load for data objects

DOE, in its initial state has its rules in deactivated state. To deactivate the rules, open the NWMA portal and select 'Rule Administration'. Select the distribution rules and deactivate them.

The cleanup operations mentioned above, will delete the existing CDS content. Therefore the data is needed to be loaded from the backend using the transaction SDOE_LOAD. Open the said transaction, and select the SWCV for which data needs to be downloaded and execute.

Related Content

For more information, visit the [Mobile homepage](#).

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