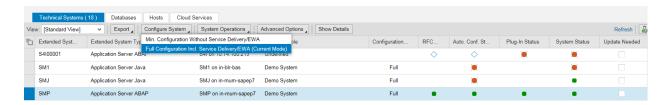# Managed Systems Configuration

To ensure that all the systems in the system landscape can be managed and set up centrally, the productive SAP Solution Manager system must be connected to them. This is required by applications such as Change Analysis, Quality Gate Management and Change Request Management.

For testing purposes, some managed systems should also be connected to the SAP Solution Manager of the quality or development systems.
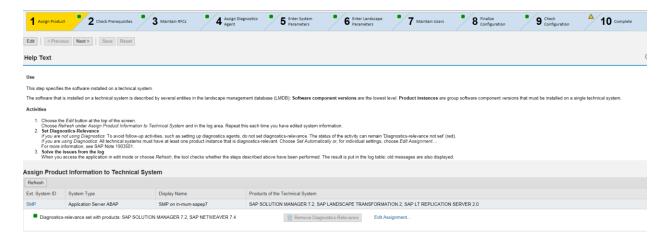
To start the Managed Systems Configuration in SAP Solution Manager (transaction SOLMAN_SETUP), choose Managed Systems Configuration select the managed system to be configured in the tab Technical Systems:

Select Configure System and choose the configuration mode full for Production system.

❖ Assign Product

This step specifies the software that is installed on the managed system. Change managed systems configuration wizard to edit mode:
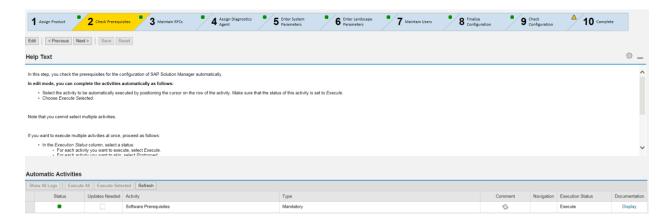

BY: Harshal Raut and Harini Nittala

Set Diagnostics-Relevance –Click on Set Automatically button to assign Diagnostics-relevance flag.

❖ <u>Check Prerequisite</u>

This step will check whether the software prerequisites are fulfilled.
Select Execute All pushbutton to proceed. You can select the Display link in the Documentation column for further information.

❖ <u>Maintain RFC's</u>

This step will generate the RFC connections to the ABAP managed system. For Diagnostics scenario you must create at least one READ RFC connection to the productive client of the managed system
First you should create a "Managed System Setup Administrator" user automatically with the wizard.

To be able to create RFC destinations on the managed system, a user with necessary authorizations must be provided.
As an alternative a new user, for example SM_ADMIN_<SID>, can be created directly from the guided procedure. Press the button Create or Update Administrator in the, Managed System Administrator "section:

BY: Harshal Raut and Harini Nittala

1 Assign Product	2 Check Prerequisites	3 Maintain RFCs	4 Assign Diagnostics Agent	5 Enter System Parameters	6 Enter Landscape Parameters	7 Maintain Users	8 Finalize Configuration	9 Check Configuration	10 Complete

Edit | < Previous | Next > | | Save | Reset

Help Text

Use

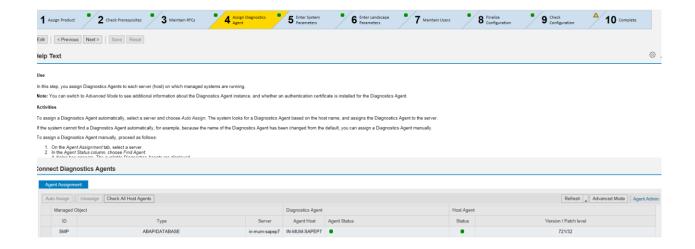In this step you create or delete RFC connections to the clients in managed systems, for example, client 200. For each managed system, you should create at least a READ RFC connection to the production client.

Depending on the scenario you want to configure with the managed system, you create RFC connections to multiple clients. This is the case, for example, in the *Change Request Management, Quality Gate Management, PI-System,* and *Project Management* scenarios.

Note: Some features are only available in advanced mode. Choose the corresponding button to switch between advanced mode and standard mode. The overall status of this step doesn't consider RFC users.

Requirements

- If you have set up the SAP Solution Manager system as a managed system, the default RFC destination is `NONE`. You have to replace the RFC destination `NONE` and create a standard RFC destination (for example, a dedicated `READ` destination, `SM_<logical system>_READ`, is mandatory).
- Depending on which RFC destination you want to create and how you want to create it, you might need to first create a *Managed System Configuration User*. You can create this technical user by choosing *Create or Update Administrator*.
- In case your Managed System/s is based on SAP_BASIS 7.02 or 7.2, you need to add authorization object S_RFC_TT with full authorization for your Managed System/s to roles SAP_SM_USER_ADMIN or SAP_RCA_CONF_ADMIN manually.
- If the system is marked enabled for AGS Service Delivery, the Read RFC destination and the BACK RFC destination are mandatory.
- If you connect a managed System with SAP_BASIS higher than 702, check SAP Note 2257213. For some scenarios you must add a role manually

Clients and Existing RFCs

Delete RFCs | Test

Status	Client	Name	Role	Logical System	RFC Read Access			RFC for Change Manager			Trusted System RFC			RFC for SAP Solution Manager	
					Status	RFC Destination	Display	Status	RFC Destination	Display	Status	RFC Destination	Display	Status	RFC Destination	Display
◇	066	Test EarlyWatch Profiles	SAP reference System												
■	200	Training Client	Training/Education System	SMPCLNT200	■	SM_SMPCLNT200_READ	🖉	■	SM_SMPCLNT200_TMW	🖉	■	SM_SMPCLNT200_TRUSTED	🖉	■	SM_SMPCLNT200_L...	🖉
■	300	Development client	Customizing System	SMPCLNT300	■	SM_SMPCLNT300_READ	🖉	■	SM_SMPCLNT300_TMW	🖉	■	SM_SMPCLNT300_TRUSTED	🖉	■	SM_SMPCLNT300_...	🖉
■	301	Test client	Test System	SMPCLNT301	■	SM_SMPCLNT301_READ	🖉	■	SM_SMPCLNT301_TMW	🖉	■	SM_SMPCLNT301_TRUSTED	🖉	■	SM_SMPCLNT301_...	🖉
■	302	Quality client	Test System	SMPCLNT302	■	SM_SMPCLNT302_READ	🖉	■	SM_SMPCLNT302_TMW	🖉	■	SM_SMPCLNT302_TRUSTED	🖉	■	SM_SMPCLNT302_...	🖉

RFC - Standard Mode

▾ **Communication RFCs between SMP Client 200 and SMP Client 301**

Action | Create RFCs with Generated Users & Passwords

RFC Destination and User for Read Access(READ RFC)

☐ Create/Update SM_SMPCLNT301_READ

Status: ● User SM_SMP Exists with Recommended Roles

☐ Accept Manually Created User Without Checking Role Assignments

RFC User: SM_SMP

Password: ******************************   Repeat Password: ******************************

RFC Destination and User to SAP Solution Manager(BACK RFC)

☐ Create/Update SM_SMPCLNT200_BACK

Status: ● User SMB_SMP exists with recommended roles

☐ Accept Manually Created User Without Checking Role Assignments

RFC User: SMB_SMP

Password: ******************************   Repeat Password: ******************************

RFC Destination and User for Change Manager(TMW RFC)

☐ Create/Update SM_SMPCLNT301_TMW

Status: ● User SMTMSMP Exists with Recommended Roles

☐ Accept Manually Created User Without Checking Role Assignments

RFC User: SMTMSMP

Password: ******************************   Repeat Password: ******************************

▾ **Dialog RFCs between SMP Client 200 and SMP Client 301**

RFC Destination and User for Login Access to managed system (LOGIN&TRUSTED RFC)

☐ Create/Update SM_SMPCLNT301_LOGIN
☐ Create/Update SM_SMPCLNT301_TRUSTED

Trusted RFC Destination to SAP Solution Manager

☐ Create/Update SM_SMPCLNT200_TRUSTED

▾ **Administration Users**

SAP Solution Manager Administrator

User: SOLMAN_ADMIN   ● User SOLMAN_ADMIN Exists with Recommended Roles

Password: ********   Test Login

Managed System Setup User

Create or Update Administrator

*User: SOLMAN_ADMIN   ● User SOLMAN_ADMIN Exists with Recommended Roles
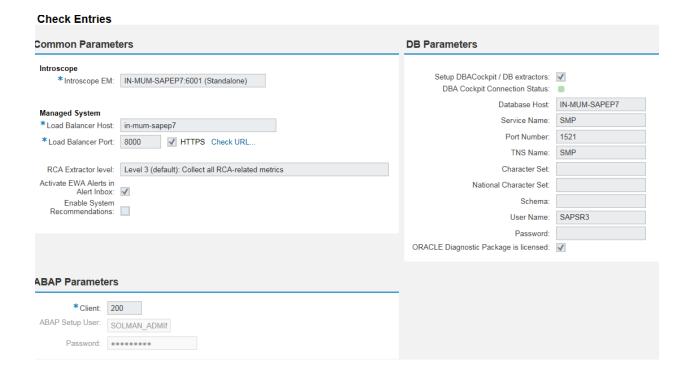
*Password: ********   Test Login

❖ <u>Assign Diagnostics Agent</u>

In this step you assign diagnostics agents to the selected managed system. You assign a diagnostics agent to each server (virtual host) on which the managed system is running. On the Agent Assignment tab, select a server and choose the Auto Assign pushbutton. Check the status and the version of the SAP Host Agents.

BY: Harshal Raut and Harini Nittala

❖ **Enter system parameters**

In this step you enter the system and database connection parameters for the managed system (example for an ABAP system):

For JAVA System :

We have JAVA Parameters which we need to maintain while JAVA manages system. The DB parameters are the same as ABAP since we have same database for both the stack.
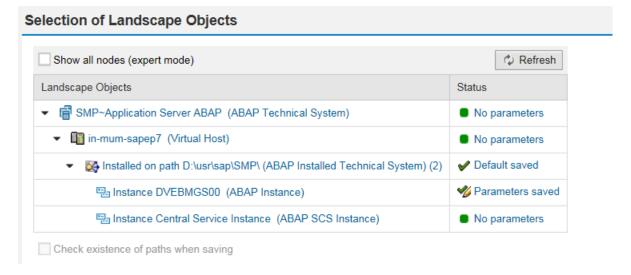
The main purpose of the DBA Cockpit is database monitoring and analysis of all connected managed systems centrally from the SAP Solution Manager

For any issues in DB Parameter we can use TC: DBCO for any modification
To test the connection the details we can use report from SE38: ADBC_TEST_CONNECTION

BY: Harshal Raut and Harini Nittala

❖ <u>**Maintain Landscape parameter**</u>

Managed Systems Configuration Enter Landscape Parameters (**For ABAP**)

For JAVA :

In the Landscape Objects hierarchy, check the status of each parameter. For example:
- The status set to Default used means that you need to verify the parameters.
- The status set to Input Missing means that you need to enter the parameter.

BY: Harshal Raut and Harini Nittala

❖ Maintain Users

For ABAP

Users							
Advanced Mode							Refresh Filter
Status	Update need...	User Name	Use Case ID	User Type	System	Documentation	Login
◇	☐	SAPSUPPORT	SAPSUPPORT	Dialog	T1E…	Display	
◇	☐	SMDAGENT_TNS	SMDAGENT_TNS	System	T1E…	Display	

In the Users screen area select a user, enter a password and click on Execute.

- The user SAPSUPPORT enables SAP Support to provide remote support for the managed system. Enter the password for this user manually.
- The user SMDAGENT_<SOLMANSID> connects the Introscope Host Adapter on the Diagnostics Agent to the managed system for data retrieval.

For JAVA :

Status	Update need...	User Name	Use Case ID	User Type
●	☐	SOLMAN_ADMIN	SAPSUPPORT	Service
●	☐	SM_COLL_SMP	SM_COLL_SMP	Dialog

- The user SAPSUPPORT enables SAP Support to provide remote support for the managed system. Enter the password for this user manually.
- The user SM_COLL_<SOLMANSID> connects the Introscope Host Adapter on the Diagnostics Agent to the managed system for data retrieval.
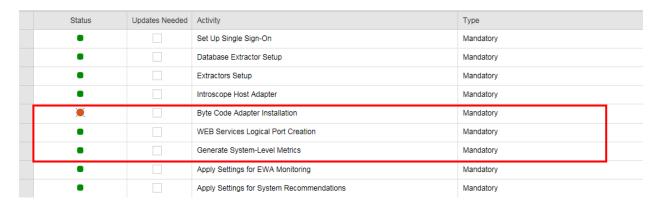
❖ Finalize Configuration -Automatic Activities.

In this step SAP Solution Manager performs automatic configuration activities. To start automatic configuration, select the Execute All pushbutton.

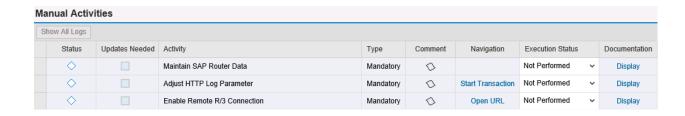BY: Harshal Raut and Harini Nittala

Check the results. In case of errors please select the step in error and read the error messages in the log pane. Refer to the next slide for manual activities.

For JAVA system:

Finalize Configuration -Manual Activities

Perform manual configuration activities:

- Maintain SAP Router Data: In the SAP Service Marketplace, maintain the SAP Router data for your managed systems so that a service connection can be opened if remote maintenance is necessary.

BY: Harshal Raut and Harini Nittala

- Adjust HTTP Log Parameter: To enable the analysis of logs written by the Internet Communication Manager (ICM) with End-to-End Root Cause Analysis we need to set this parameter in each system based on ABAP. On the managed systems, start transaction RZ10 and add the parameter to the default profile of your system as described in the documentation (click on the Documentation link). Save and activate the profile. Restart the ICM service (transaction SMICM) in order to activate this profile parameter modification. Please refer to SAP Note 1252944 for details.
- Enable remote R/3 Connection: Please refer to SAP Note 812732.

For JAVA:

Activity	Type
Maintain SAP Router Data	Mandatory
Adjust HTTP Log Parameter	Mandatory
Restart JAVA stack	Mandatory
J2EE Job Scheduler Configuration	Mandatory
Enable Remote HTTP Connection	Mandatory

- Maintain SAP Router Data: In the SAP Service Marketplace, maintain the SAP Router data for your managed systems so that a service connection can be opened if remote maintenance is necessary.

- Adjust HTTP Log Parameter: Please refer to SAP Note 1252944 for details.

- Restart JAVA stack: Schedule a Java stack restart.

- J2EE Job Scheduler Configuration: Please follow the instructions (Display) in order to configure an external job scheduler.

- Enable Remote HTTP Connection: Please refer to SAP Note 812732

BY: Harshal Raut and Harini Nittala

❖ Check Configuration

For ABAP and Java system the automatic activity we just need to execute all. For any issue check the log.

Activity	Type
Configuration Check	Mandatory
Refresh System Status	Mandatory

❖ Complete

To summarize the activity which you have performed