

2017-12-29

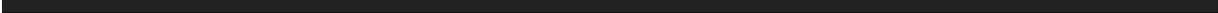
# SAP Solution Manager 7.2 on SAP Adaptive Server Enterprise 16.0 -Best Practices for Installation and Configuration



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# 1 Document History

The following table provides an overview on the most important document changes:

Version:	Date:	Description:
1.0	2017-05-31	Initial Version
1.1	2017-12-29	Correction of links

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## 2 Introduction

This document describes the installation and configuration of the SAP Solution Manager 7.2 system with ABAP and JAVA Application Server 7.45 on SAP Adaptive Server Enterprise (SAP ASE) 16.0.02.04 and higher for Linux x86\_64.

For all installation steps described in this document, the local System Landscape Directory (SLD) in SAP Solution Manager 7.2 SR1 Java was used. Furthermore, this guide covers only the installation of standard systems.

### **i** Note

There are differences for the usage of a remote SLD, which are not covered in this manual. And also the Solution Manager configuration becomes more complex, if you install a distributed or High Availability System. Therefore, for any additional required steps, you can find further documentation in chapter [Additional Information \[page 99\]](#).

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## 3 Prerequisites

### 3.1 S-User

S-users are used to connect to SAP's support and service portals. They are *service users* that are connected to partners, customers, and products. They have different authorizations that enable the usage of services.

Examples for such services are:

- User Management
- Software Downloads
- Remote Connections

The setup and configuration of a SAP Solution Manager 7.2 needs three different S-users. The following list shows how they are used and the minimal required authorizations for SAP Solution Manager 7.2. These authorizations have to be set for the correct company and customers.

#### When Do You Need The Super Administrator User?

- To maintain other S-users
- To download installation media
- To request license keys
- To maintain landscape systems
- To maintain remote connections

Which authorizations are required for the *Super Administrator User*?

- Display System Data
- Edit System Data
- Manage Installations
- Request License Keys
- Edit Authorizations
- Edit User Data
- Security Contact
- Edit User Data
- Software Download

## When Do You Need The Support Hub Connectivity User?

For a detailed description regarding creation and activation, refer to SAP Note [2174416](#) - *Creation and activation of users for the Support Hub Communication.*

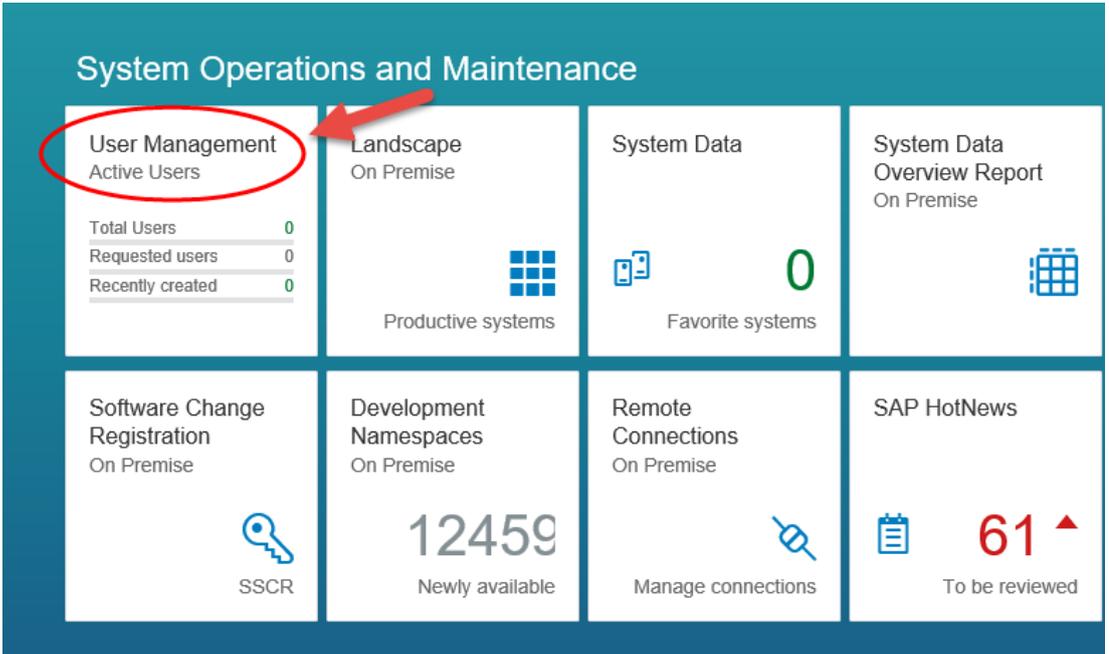
## When Do You Need The Online Service System User?

The *Online Service System User* provides the logon for the *RFC SAPOSS*. There are no further authorizations required.

### 3.1.1 Requesting an S-User

Before you can install the Solution Manager 7.2, you need an S-user.

The following steps describe how to request your S-user:

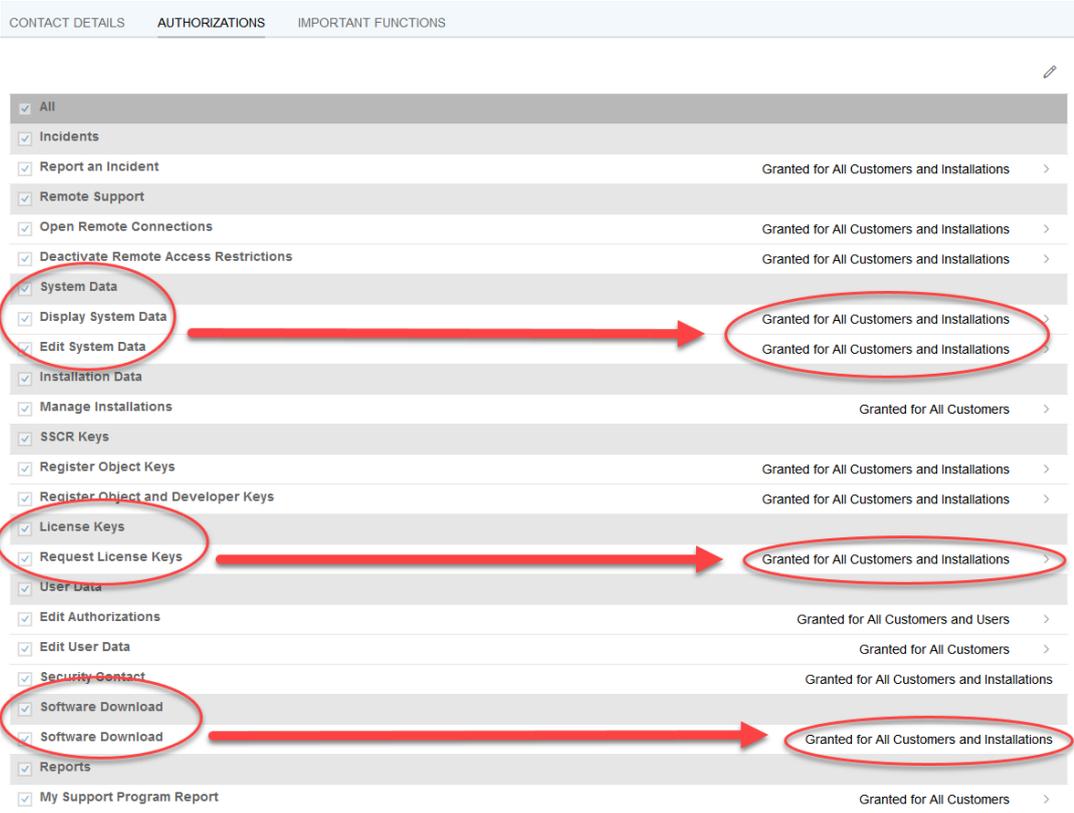
Step	Description
1.	<p>Start <a href="#">SAP ONE Support Launchpad</a> and open <i>User Management</i> in the section <i>System Operations and Maintenance</i>.</p> 
2.	Choose <i>Request User</i> in the lower right side.

Step	Description
3.	<p>You are directed to a new window.</p> <p>Fill in the mandatory fields marked with * and Submit.</p> <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <div style="text-align: center; border-bottom: 1px solid #ccc; padding-bottom: 5px;"><b>Request User</b></div> <div style="margin-top: 10px;"> <p>*Customer: <input type="text" value="S ase (12 75)"/> ▾</p> <p>*Salutation: <input type="text" value="Mr."/> ▾</p> <p>*First Name: <input type="text" value="Max"/></p> <p>*Last Name: <input type="text" value="Mustermann"/></p> <p>*E-Mail: <input type="text" value="max.mustermann@sap.com"/></p> <p>*Language: <input type="text" value="English"/> ▾</p> <p>Department: <input type="text" value="Enter Department ..."/> </p> </div> <div style="text-align: right; border-top: 1px solid #ccc; padding-top: 5px; background-color: #333; color: white;"> <input type="button" value="Submit"/> <input type="button" value="Cancel"/> </div> </div> 
4.	Wait for the approval of the S-user by your company's super-administrator.

### 3.1.2 Maintaining S-User authorizations

To keep your company secure, assign the lowest possible authorizations. The following steps describe how to maintain S-user authorizations.

Step	Description
1.	Re-open the <a href="#">SAP ONE Support Launchpad</a> and select <i>User Management</i> in the section <i>System Operations and Maintenance</i> .
2.	Choose the S-user, you want to use for your SAP Solution Manager 7.2

Step	Description								
3.	<p>Add the appropriate authorizations to the S-user.</p> <p>Enable the following authorizations for the corresponding customers and installations:</p> <ul style="list-style-type: none"> <li>• <i>Display System Data</i></li> <li>• <i>Edit System Data</i></li> <li>• <i>Manage Installations</i></li> <li>• <i>Request License Keys</i></li> <li>• <i>Edit Authorizations</i></li> <li>• <i>Edit User Data</i></li> <li>• <i>Security Contact</i></li> <li>• <i>Edit User Data</i></li> <li>• <i>Software Download</i></li> </ul>  <p>The screenshot shows the 'AUTHORIZATIONS' tab in SAP. The following table summarizes the highlighted items:</p> <table border="1"> <thead> <tr> <th>Authorization Object</th> <th>Granted To</th> </tr> </thead> <tbody> <tr> <td>System Data</td> <td>Granted for All Customers and Installations</td> </tr> <tr> <td>License Keys</td> <td>Granted for All Customers and Installations</td> </tr> <tr> <td>Software Download</td> <td>Granted for All Customers and Installations</td> </tr> </tbody> </table>	Authorization Object	Granted To	System Data	Granted for All Customers and Installations	License Keys	Granted for All Customers and Installations	Software Download	Granted for All Customers and Installations
Authorization Object	Granted To								
System Data	Granted for All Customers and Installations								
License Keys	Granted for All Customers and Installations								
Software Download	Granted for All Customers and Installations								
4.	<p>Log on with the corresponding S-user to the <a href="#">SAP ONE Support Launchpad</a> and check if the authorizations are correct. Examine whether <i>System Data</i>, <i>License Keys</i> and <i>Software Downloads</i> are enabled and work as expected.</p>								

## 3.2 Installation Media

SAP offers two ways to download the installation media:

- SAP Download Manager
- Direct download via installation media (CD/DVD)

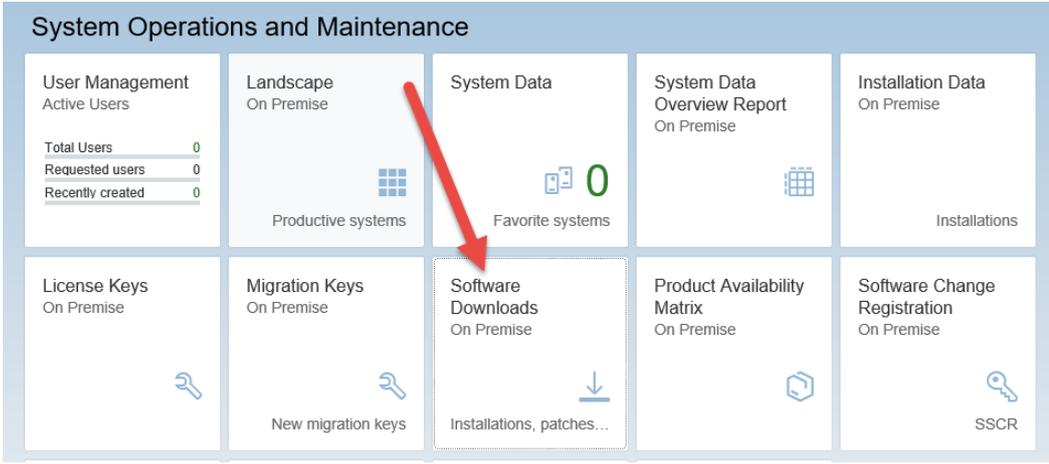
For a complete overview of the most recent media around SAP Solution Manager, see the Product Availability Matrix (PAM) at [support.sap.com/pam](https://support.sap.com/pam) and the SAP Download Manager at <https://launchpad.support.sap.com/#/softwarecenter>

In our case, all installation media were downloaded using the *SAP Download Manager*.

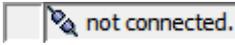
## 3.3 Installing the SAP Download Manager

### i Note

The installation of the *SAP Download Manager* is optional.

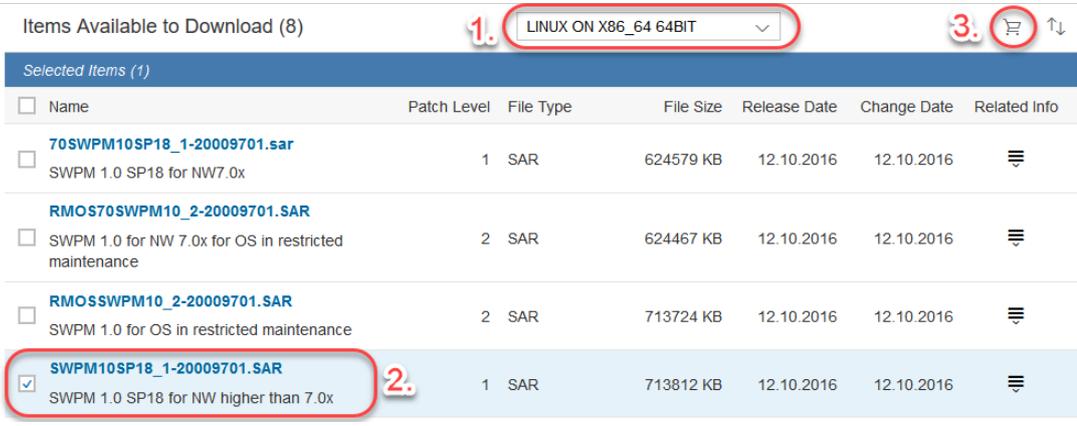
Step	Description
1.	<p>Start <a href="#">SAP ONE Support Launchpad</a> and open <i>Software Downloads On Premise</i> in the section <i>System Operations and Maintenance</i>.</p> 
2.	Choose <b>Download Basket</b> in the bottom right corner.

Step	Description
3.	<p>Click the Download Manager in the bottom right corner.</p> <div data-bbox="347 421 1396 981" style="border: 1px solid #ccc; padding: 10px; background-color: #fff9c4;"> <p><b>i Note</b></p> <p>You always need to ensure, that you download the latest version of SAP Download Manager.</p> <div data-bbox="373 546 1380 949" style="border: 1px solid #ccc; padding: 10px; background-color: #fff;"> <h3 style="margin: 0;">SAP Download Manager</h3> <p>The SAP Download Manager allows you to download multiple files simultaneously, or schedule downloads to run at a later point in time. The latest version is 2.1.143, released in March 2016.</p> <p>Note: Your S-User ID must have <i>Software download</i> authorization. Choose <i>Display my Authorizations</i> in your portal profile to see what authorization you have today. Contact your super administrator to request the <i>Software download</i> (and any other) authorization.</p> <div data-bbox="379 891 981 936" style="display: flex; align-items: center;"> <div data-bbox="379 891 721 936" style="background-color: #e67e22; color: white; padding: 5px 15px; border-radius: 3px; text-align: center;">Download Version 2.1.143</div> <div data-bbox="734 873 981 936" style="margin-left: 10px;">  </div> </div> </div> </div>

Step	Description
6.	<p>Make sure on the lower right that the connection changed from</p>  <p>to</p> 

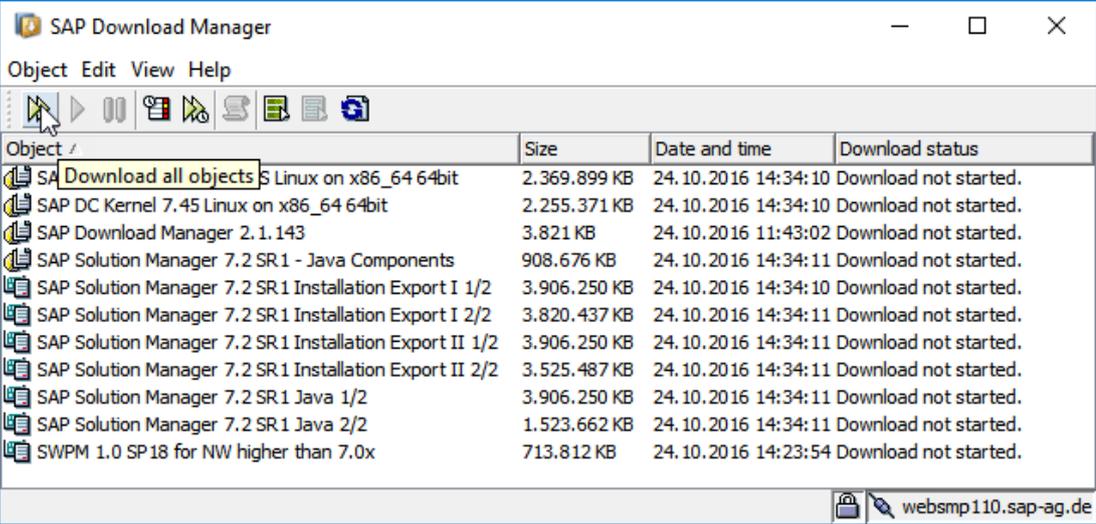
### 3.4 Using SAP Download Manager

The following steps show you how to add media to the *Download Basket* in *SAP ONE Support Launchpad*. After that it is shown how to use *SAP Download Manager* to download the media.

Step	Description
1.	<p>Select the operating system.</p> 
2.	Check the box next to the software you want to download.
3.	Click on the shopping cart to add your downloads to the <i>Download Basket</i> .

#### How to use SAP Download Manager to download the media:

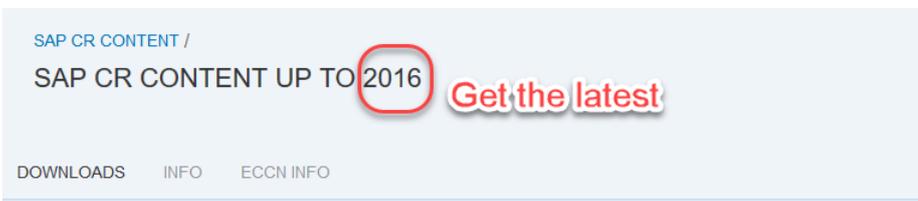
Step	Description
1.	Start <i>SAP Download Manager</i> .

Step	Description
2.	Check the software you are about to download from your <i>Download Basket</i> .
3.	Start the download with the corresponding button. 

### 3.5 Available Installation Media

All mandatory installation media for SAP Solution Manager 7.2 are available in the following Software Categories of *SAP Software Downloads*:

Software Category	Installation Media
SAP Solution Manager 7.2	SAP ASE 16.0.02.04 RDBMS Linux on x86_64 64bit
Installation Product	SAP Solution Manager 7.2 SR1 Installation Export I 1/2
	SAP Solution Manager 7.2 SR1 Installation Export I 2/2
	SAP Solution Manager 7.2 SR1 Installation Export II 1/2
	SAP Solution Manager 7.2 SR1 Installation Export II 2/2
	SAP Solution Manager 7.2 SR1 Java 1/2
	SAP Solution Manager 7.2 SR1 Java 2/2
	SAP Solution Manager 7.2 SR1 - Java Components
	SAP DC Kernel 7.45 Linux on x86_64 64bit
	SOFTWARE PROVISIONING MGR 1.0

Software Category	Installation Media																								
SAP Solution Manager 7.2 Maintenance Product	<p>DIAGNOSTICS AGENT</p> <p>WILY INTROSCOPE ENTPR MGR</p> <p>WILY INTRO EM MGMT MODULES</p> <p>SAP HOST AGENT</p>																								
SAP CR Content Maintenance Software Component	<p>SPxx for SAP CR CONTENT UP TO yyyy</p> <p>Example:</p>  <p>DOWNLOADS   INFO   ECCN INFO</p> <p><b>i</b> Multispanning: Packages that are larger than 4 GB will be packed in an archive, which is split into 4 GB parts. All : downloaded and unpacked. For more details on multispanning and how to extract the multi-part .exe archive on U</p> <p>Items Available to Download (18) <span># OS INDEPENDENT ▾</span></p> <p><i>Selected Items (0)</i></p> <table border="1"> <thead> <tr> <th><input type="checkbox"/></th> <th>Name</th> <th>Patch Level</th> <th>File Type</th> <th>File Size</th> <th>Release Date</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><a href="#">cimsap121610_0-70001705.zip</a> SP10 for SAP CR CONTENT UP TO 2016</td> <td>0</td> <td>ZIP</td> <td>269 KB</td> <td>12.01.2017</td> </tr> <tr> <td><input type="checkbox"/></td> <td><a href="#">crdelta121610_0-70001705.zip</a> SP10 for SAP CR CONTENT UP TO 2016</td> <td>0</td> <td>ZIP</td> <td>6411 KB</td> <td>12.01.2017</td> </tr> <tr> <td><input type="checkbox"/></td> <td><a href="#">cimsap121609_0-70001705.zip</a> SP09 for SAP CR CONTENT UP TO 2016</td> <td>0</td> <td>ZIP</td> <td>269 KB</td> <td>06.12.2016</td> </tr> </tbody> </table> <p>See SAP Note <a href="#">669669</a> for details.</p>	<input type="checkbox"/>	Name	Patch Level	File Type	File Size	Release Date	<input type="checkbox"/>	<a href="#">cimsap121610_0-70001705.zip</a> SP10 for SAP CR CONTENT UP TO 2016	0	ZIP	269 KB	12.01.2017	<input type="checkbox"/>	<a href="#">crdelta121610_0-70001705.zip</a> SP10 for SAP CR CONTENT UP TO 2016	0	ZIP	6411 KB	12.01.2017	<input type="checkbox"/>	<a href="#">cimsap121609_0-70001705.zip</a> SP09 for SAP CR CONTENT UP TO 2016	0	ZIP	269 KB	06.12.2016
<input type="checkbox"/>	Name	Patch Level	File Type	File Size	Release Date																				
<input type="checkbox"/>	<a href="#">cimsap121610_0-70001705.zip</a> SP10 for SAP CR CONTENT UP TO 2016	0	ZIP	269 KB	12.01.2017																				
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<input type="checkbox"/>	<a href="#">cimsap121609_0-70001705.zip</a> SP09 for SAP CR CONTENT UP TO 2016	0	ZIP	269 KB	06.12.2016																				

### 3.6 Navigating to the Installation Media

If you cannot find the required installation media with the search, you can use the following steps to navigate to the media step-by-step. This manual navigation is also helpful to see the latest available software.

Step	Description
1.	Start <a href="#">SAP ONE Support Launchpad</a> and open <i>Software Downloads On Premise</i> in the section <i>System Operations and Maintenance</i> .

Step	Description
2.	Choose ► <a href="#">Software Downloads On Premise</a> ► <a href="#">Installation &amp; Upgrades</a> ► <a href="#">By Alphabetical Index (A-Z)</a> ► <a href="#">S</a> ► <a href="#">SAP Solution Manager</a> ► <a href="#">SAP Solution Manager 7.2</a> ►
3.	Choose ► <a href="#">SOFTWARE PROVISIONING MGR 1.0</a> ► <a href="#">Support Package Patches for SWPM</a> ►
4.	Go back to step 2. and choose <i>INSTALLATION AND UPGRADE</i> for the category <i>SAP Solution Manager 7.2 Installation Product</i> .
5.	Go back again to step 2 and choose <i>SUPPORT PACKAGES &amp; PATCHES</i> .
6.	The corresponding media for this and the previous chapter can be found under: <ul style="list-style-type: none"> <li>• <i>SOLUTION MANAGER ABAP STACK,</i></li> <li>• <i>AGENTS FOR MANAGED SYSTEMS and</i></li> <li>• <i>WILY INTROSCOPE</i></li> </ul>
7.	The SAP CR Content can be found under ► <a href="#">Downloads</a> ► <a href="#">Support Packages &amp; Patches</a> ► <a href="#">By Alphabetical Index (A-Z)</a> ► <a href="#">C</a> ► <a href="#">SAP CR Content.</a> ►

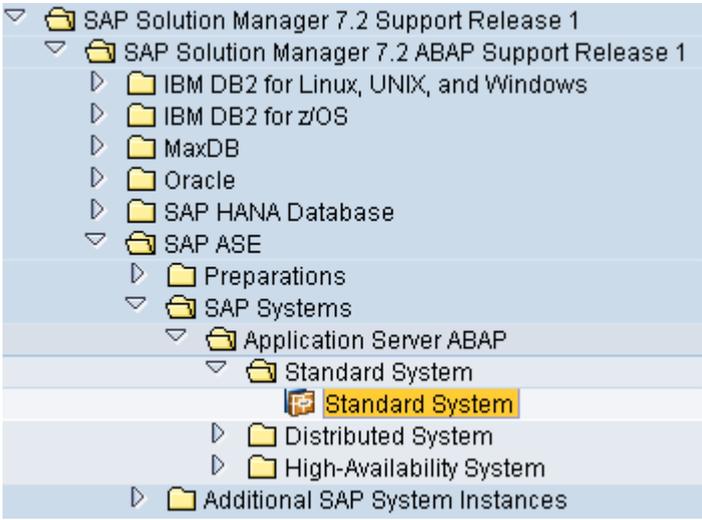
# 4 Installation

This guide describes only the installation of standard systems.

If you need to install a distributed system or a high-availability system, some additional steps are required and the configuration of the Solution Manager becomes more complex. In this case and for more information, see the official SL Toolset documentation:

- <https://wiki.scn.sap.com/wiki/display/SL/Software+Provisioning+Manager+1.0>
- <https://support.sap.com/sltoolset>

## 4.1 Installing SAP Solution Manager ABAP

Step	Description
1.	<p>Start the <i>Software Provisioning Manager (SWPM)</i>.</p> <div style="background-color: #fff9c4; padding: 10px;"><p><b>i Note</b></p><p>If you want to specify your virtual hostname, you have to alter it with <code>SAPINST_USE_HOSTNAME=&lt;virtual hostname&gt;</code>.</p><p>Example for Linux: <code>&lt;path&gt;/&lt;to&gt;/sapinst SAPINST_USE_HOSTNAME=solman</code></p></div>
2.	<p>Choose <i>Standard System</i> under <b>SAP Solution Manager 7.2 Support Release 1</b> &gt; <i>SAP Solution Manager 7.2 ABAP Support Release 1</i> &gt; <i>SAP ASE</i> &gt; <i>SAP Systems</i> &gt; <i>Application Server ABAP</i> &gt; <i>Standard System</i></p>  <p>The screenshot shows a tree view of the installation options. The path is: SAP Solution Manager 7.2 Support Release 1 &gt; SAP Solution Manager 7.2 ABAP Support Release 1 &gt; SAP ASE &gt; SAP Systems &gt; Application Server ABAP &gt; Standard System. The 'Standard System' folder is highlighted in yellow.</p>

Step	Description
3.	<p>Choose Custom installation mode.</p> <p><b>Parameter Settings</b></p> <p>Parameter Mode <input type="radio"/> Typical  <input checked="" type="radio"/> Custom</p>
4.	<p>Enter the SAP System ID.</p> <p><b>SAP System</b></p> <p>SAP System ID (SAPSID) * <input type="text" value="ASM"/></p> <p>SAP Mount Directory <input type="text" value="/sapmnt"/> <input type="button" value="Browse..."/></p>
5.	<p>Enter the DNS domain name for the SAP system to calculate the fully qualified domain name (FQDN).</p> <p><b>SAP System Domain Name</b></p> <p>Set FQDN for SAP system <input checked="" type="checkbox"/></p> <p>DNS Domain Name for SAP System * <input type="text" value="mo.sap.corp"/></p>
6.	<p>Enter the Master Password for all users.</p> <p><b>Master Password</b>  The master password is used for all users that are created.  Check the F1 help for restrictions and dependencies.</p> <p>Password for All Users * <input type="password" value="*****"/></p> <p>Confirm * <input type="password" value="*****"/></p>
7.	<p>Enter the account parameters.</p> <p><b>SAP System Administrator</b></p> <p>Account: <i>asmadm</i></p> <p>Password of SAP System Administrator * <input type="password" value="*****"/></p> <p>Confirm * <input type="password" value="*****"/></p> <p>User ID <input type="text"/></p> <p>Group ID of sapsys <input type="text"/></p> <p>Login Shell <input type="text" value="/bin/csh"/> <input type="button" value="📄"/></p> <p>Home Directory <input type="text"/></p>

Step	Description																														
8.	<p>Enter attributes of the operating system user.</p> <div style="border: 1px solid gray; padding: 5px;"> <p><b>SAP Database Administrator</b></p> <p>Account: sybasadm</p> <p>Password* <input type="password" value="*****"/></p> <p>Confirm* <input type="password" value="*****"/></p> <p>User ID <input type="text"/></p> </div>																														
9.	<p>Enter the Package Path (A) to the SAP Kernel and click Next (B).</p> <p>Make sure that the <i>Status</i> of all required packages changes from <i>Still missing</i> to <i>Available</i>. You can optionally add the packages one by one by repeating actions (A) and (B). When all packages are available, continue with a final click on <i>Next</i>.</p> <div style="border: 1px solid gray; padding: 5px;"> <p><b>Search Location</b></p> <p>Specify the path to a SAR Archive, to a download folder or to a DVD as <i>Package Path</i>.</p> <p>Package Path <input type="text" value="/media/inst/kernel/51050554_3"/> <span style="border: 2px solid red; border-radius: 50%; padding: 2px;">A</span> <input type="button" value="Browse..."/></p> <p><b>Archive Locations</b></p> <p>You can download the archives from the following locations on SAP Software Download Center:  <a href="#">SAPEXE.SAR 7.42</a>, <a href="#">SAPHOSTAGENT.SAR 721 (Latest Patch)</a>, <a href="#">IGSEXE.SAR</a>, <a href="#">IGSHELPER.SAR</a></p> <p>The table is updated with all packages that are found at the specified <i>Package Path</i> once you choose <i>Next</i>. You will remain on this screen and be able to add or adjust paths for required packages by searching other locations. Once all archives are specified and you do not wish to make any further adjustments, leave the <i>Package Path</i> empty to continue.</p> <table border="1"> <thead> <tr> <th>Package Name</th> <th>Individual Package Location</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>SAPEXE.SAR 7.42</td> <td></td> <td>Still missing</td> </tr> <tr> <td>SAPHOSTAGENT.SAR 721 (Latest Patch)</td> <td></td> <td>Still missing</td> </tr> <tr> <td>IGSEXE.SAR</td> <td></td> <td>Still missing</td> </tr> <tr> <td>IGSHELPER.SAR</td> <td></td> <td>Still missing</td> </tr> <tr> <td>SAPEXEDB.SAR (matching SAPEXE Version and Patch)</td> <td></td> <td>Still missing</td> </tr> </tbody> </table> <div style="text-align: center; margin: 10px 0;"> <span style="border: 2px solid red; border-radius: 50%; padding: 5px;">B</span>  <input type="button" value="Back"/> <input style="border: 2px solid red; border-radius: 50%; padding: 5px;" type="button" value="Next"/> </div> <table border="1"> <thead> <tr> <th>Individual Package Location</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>/media/inst/kernel/51050554_3/DATA_UNITS/K_745_U_LINUX_X86_64/DBINDEP/SAPEXE...</td> <td>Available</td> </tr> <tr> <td>/media/inst/kernel/51050554_3/DATA_UNITS/K_745_N_LINUX_X86_64/DBINDEP/SAPHOS...</td> <td>Available</td> </tr> <tr> <td>/media/inst/kernel/51050554_3/DATA_UNITS/K_745_N_LINUX_X86_64/DBINDEP/IGSEXE...</td> <td>Available</td> </tr> <tr> <td>/media/inst/kernel/51050554_3/DATA_UNITS/K_745_N_LINUX_X86_64/DBINDEP/IGSHEL...</td> <td>Available</td> </tr> <tr> <td>/media/inst/kernel/51050554_3/DATA_UNITS/K_745_U_LINUX_X86_64/SYB/SAPEXEDB.SAR</td> <td>Available</td> </tr> </tbody> </table> </div>	Package Name	Individual Package Location	Status	SAPEXE.SAR 7.42		Still missing	SAPHOSTAGENT.SAR 721 (Latest Patch)		Still missing	IGSEXE.SAR		Still missing	IGSHELPER.SAR		Still missing	SAPEXEDB.SAR (matching SAPEXE Version and Patch)		Still missing	Individual Package Location	Status	/media/inst/kernel/51050554_3/DATA_UNITS/K_745_U_LINUX_X86_64/DBINDEP/SAPEXE...	Available	/media/inst/kernel/51050554_3/DATA_UNITS/K_745_N_LINUX_X86_64/DBINDEP/SAPHOS...	Available	/media/inst/kernel/51050554_3/DATA_UNITS/K_745_N_LINUX_X86_64/DBINDEP/IGSEXE...	Available	/media/inst/kernel/51050554_3/DATA_UNITS/K_745_N_LINUX_X86_64/DBINDEP/IGSHEL...	Available	/media/inst/kernel/51050554_3/DATA_UNITS/K_745_U_LINUX_X86_64/SYB/SAPEXEDB.SAR	Available
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Step	Description								
10.	<p>Enter the password of the SAP system administrator.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>SAP System Administrator</b></p> <p>Account: <i>sapadm</i></p> <p>Password of SAP System Administrator* <input type="password" value="*****"/></p> <p>Confirm* <input type="password" value="*****"/></p> <p>User ID <input type="text"/></p> <p>Group ID of sapsys <input type="text"/></p> </div>								
11.	<p>Enter the Package Location to the SAP ASE database.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>Software Package Request</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Medium</th> <th>Package Location</th> <th></th> </tr> </thead> <tbody> <tr> <td>SAP ASE</td> <td>/sybshare/ased...</td> <td style="text-align: center;">Browse...</td> </tr> </tbody> </table> </div>	Medium	Package Location		SAP ASE	/sybshare/ased...	Browse...		
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12.	<p>Enter the Package Location to the <i>Installation Export 1 Solution Manager 7.2 SR1</i>.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>Software Package Request</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Medium</th> <th>Package Location</th> <th></th> <th>Check Location</th> </tr> </thead> <tbody> <tr> <td>Installation Export 1 Solution Manager 7.2 SR1</td> <td>/media/inst/a...</td> <td style="text-align: center;">Browse...</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table> </div>	Medium	Package Location		Check Location	Installation Export 1 Solution Manager 7.2 SR1	/media/inst/a...	Browse...	<input checked="" type="checkbox"/>
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Installation Export 1 Solution Manager 7.2 SR1	/media/inst/a...	Browse...	<input checked="" type="checkbox"/>						
13.	<p>Enter the Package Location to the <i>Installation Export 2 Solution Manager 7.2 SR1</i>.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>Software Package Request</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Medium</th> <th>Package Location</th> <th></th> <th>Check Location</th> </tr> </thead> <tbody> <tr> <td>Installation Export 2 Solution Manager 7.2 SR1</td> <td>/media/inst/a...</td> <td style="text-align: center;">Browse...</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table> </div>	Medium	Package Location		Check Location	Installation Export 2 Solution Manager 7.2 SR1	/media/inst/a...	Browse...	<input checked="" type="checkbox"/>
Medium	Package Location		Check Location						
Installation Export 2 Solution Manager 7.2 SR1	/media/inst/a...	Browse...	<input checked="" type="checkbox"/>						
14.	<p>Enter configuration parameters for the database system.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>Size of ASE System Databases</b></p> <p>Master Database (MB)* <input type="text" value="300"/></p> <p>Sybsystemprocs Database (MB)* <input type="text" value="300"/></p> <p>Sybsystemdb Database (MB)* <input type="text" value="50"/></p> <p>Sybmgrmtdb Database (MB)* <input type="text" value="150"/></p> </div>								

Step	Description																																
15.	<p>Enter configuration parameters for the database system.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>Database Configuration Parameters</b></p> <p>Enable index compression <input checked="" type="checkbox"/></p> <p><b>Database Devices</b></p> <p>Enable automatic expansion of data devices <input type="checkbox"/></p> <p>Avoid initialization of database devices with zeros <input checked="" type="checkbox"/></p> <p><b>Confidentiality of Data on the Network</b></p> <p>Enable encrypted data transmission with SSL <input type="checkbox"/></p> <p>Password* <input type="text"/></p> <p><b>Confidentiality of Data on the Disk</b></p> <p>Enable full database encryption <input type="checkbox"/></p> <p>Encryption Key Name* <input type="text" value="sapdbkey"/></p> <p>Encryption Master Key Password* <input type="text" value="*****"/></p> </div>																																
16.	<p>Enter configuration parameters for the database system.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>Database Server</b></p> <p>Database Software Destination* <input type="text" value="/sybase/ASM"/> <input type="button" value="Browse..."/></p> <p><b>Database Devices</b></p> <p>Destination of System Devices* <input type="text" value="/sybase/ASM/sybsystem"/> <input type="button" value="Browse..."/></p> <p>Destination of tempdb Device* <input type="text" value="/sybase/ASM/sytemp"/> <input type="button" value="Browse..."/></p> <p>Size of tempdb Device (GB)* <input type="text" value="3"/></p> <p><b>Destination of Database Devices</b></p> <table border="1"> <thead> <tr> <th>Database Devices</th> <th>Datafile Folder</th> <th></th> <th>Datafil...</th> </tr> </thead> <tbody> <tr> <td>data device for SAP</td> <td>/sybase/ASM/sapda...</td> <td><input type="button" value="Browse..."/></td> <td>74</td> </tr> <tr> <td>log device for SAP</td> <td>/sybase/ASM/saplog_1</td> <td><input type="button" value="Browse..."/></td> <td>10</td> </tr> <tr> <td>data device for saptoc</td> <td>/sybase/ASM/sapdiag</td> <td><input type="button" value="Browse..."/></td> <td>2</td> </tr> <tr> <td>log device for saptoc</td> <td>/sybase/ASM/sapdiag</td> <td><input type="button" value="Browse..."/></td> <td>0.2</td> </tr> <tr> <td>data device for sybsec</td> <td>/sybase/ASM/sybse...</td> <td><input type="button" value="Browse..."/></td> <td>0.2</td> </tr> <tr> <td>log device for sybsec</td> <td>/sybase/ASM/sybse...</td> <td><input type="button" value="Browse..."/></td> <td>0.02</td> </tr> <tr> <td>temp device for SAP</td> <td>/sybase/ASM/saptemp</td> <td><input type="button" value="Browse..."/></td> <td>5</td> </tr> </tbody> </table> </div>	Database Devices	Datafile Folder		Datafil...	data device for SAP	/sybase/ASM/sapda...	<input type="button" value="Browse..."/>	74	log device for SAP	/sybase/ASM/saplog_1	<input type="button" value="Browse..."/>	10	data device for saptoc	/sybase/ASM/sapdiag	<input type="button" value="Browse..."/>	2	log device for saptoc	/sybase/ASM/sapdiag	<input type="button" value="Browse..."/>	0.2	data device for sybsec	/sybase/ASM/sybse...	<input type="button" value="Browse..."/>	0.2	log device for sybsec	/sybase/ASM/sybse...	<input type="button" value="Browse..."/>	0.02	temp device for SAP	/sybase/ASM/saptemp	<input type="button" value="Browse..."/>	5
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temp device for SAP	/sybase/ASM/saptemp	<input type="button" value="Browse..."/>	5																														

Step	Description
17.	<p>You are directed to this overview.</p> <p>Check your host name and port numbers and press Next.</p> <div data-bbox="316 465 842 779" style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p><b>Database Server</b></p> <p>Host Name* <input type="text" value="solman"/></p> <p>Port Number of Data Server* <input type="text" value="4901"/></p> <p>Port Number of Backup Server* <input type="text" value="4902"/></p> <p>Port Number of Job Scheduler* <input type="text" value="4903"/></p> <p>Port Number of XP Server* <input type="text" value="4904"/></p> </div>
18.	<p>Enter the password for the database users.</p> <div data-bbox="316 869 906 1124" style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p><b>Database User Passwords</b></p> <p>sa* <input type="password" value="*****"/></p> <p>sapsa* <input type="password" value="*****"/></p> <p>sapss0* <input type="password" value="*****"/></p> <p>SAPSR3* <input type="password" value="*****"/></p> </div>
19.	<p>Enter the Physical Memory, Number of Cores and Number of Database Connections you want to have. The minimum required Physical Memory is 7000MB.</p> <div data-bbox="316 1249 880 1451" style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p><b>Database Server</b></p> <p>Physical Memory (MB)* <input type="text" value="7000"/></p> <p>Number of Cores* <input type="text" value="4"/></p> <p>Number of Database Connections* <input type="text" value="200"/></p> </div>
20.	<p>You can enable ABAP table declustering / depooling for your SAP system to implement the new SAP standard for the database table layout.</p> <div data-bbox="316 1572 951 1706" style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p><b>ABAP Table Declustering and Depooling</b></p> <p><input checked="" type="radio"/> Enable declustering / depooling of all ABAP tables</p> <p><input type="radio"/> Do not decluster / depool ABAP tables</p> </div>
21.	<p>Enter the general load parameters.</p> <div data-bbox="316 1796 708 1944" style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p><b>Database Load</b></p> <p>SAP Code Page* <input type="text" value="4103"/></p> <p>Number of Parallel Jobs* <input type="text" value="3"/></p> </div>

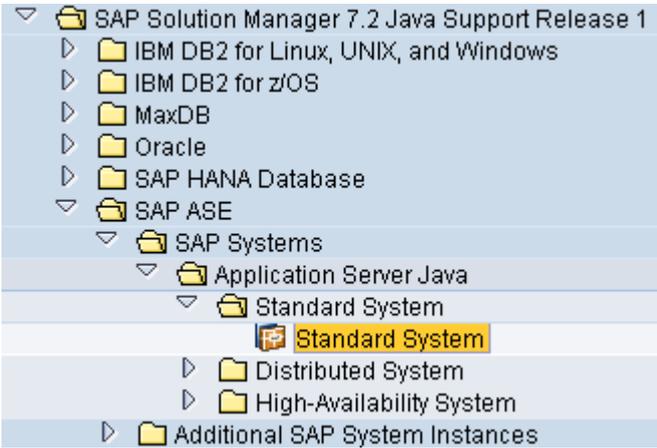
Step	Description						
22.	<p>Enter the required parameters for the primary application server (PAS) instance and for the ABAP central services (ASCS) instance.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f0f0f0;"> <p><b>PAS and ASCS Instance</b></p> <p>The following SAP system instances already exist on this host:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">SAP System ID (SAPSID)</th> <th style="width: 30%;">Instance Name</th> <th style="width: 40%;">Instance Number</th> </tr> </thead> <tbody> <tr> <td style="height: 40px;"> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>PAS Instance Number* <input style="width: 50px;" type="text" value="00"/></p> <p>PAS Instance Host* <input style="width: 150px;" type="text" value="solman"/></p> <p>ASCS Instance Number* <input style="width: 50px;" type="text" value="01"/></p> <p>ASCS Instance Host Name* <input style="width: 150px;" type="text" value="solman"/></p> </div>	SAP System ID (SAPSID)	Instance Name	Instance Number			
SAP System ID (SAPSID)	Instance Name	Instance Number					
23.	<p>Enter the required message server ports.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f0f0f0;"> <p><b>ABAP Message Server Ports</b></p> <p>ABAP Message Server Port <input style="width: 50px;" type="text" value="3601"/></p> <p>Internal ABAP Message Server Port <input style="width: 50px;" type="text" value="3901"/></p> </div>						
24.	<p>Enter the password for the web administration user <i>webadm</i> used by the SAP Web Dispatcher.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f0f0f0;"> <p><b>Internet Communication Manager (ICM) User Management</b></p> <p>Password of 'webadm'* <input style="width: 100px;" type="password" value="*****"/></p> <p>Confirm* <input style="width: 100px;" type="password" value="*****"/></p> </div>						
25.	<p>If you want to use HTTP, you must enable it by checking <i>Configure an additional HTTP port</i>.</p>						
26.	<p>If you use <i>Process Integration Application Server</i>, add the corresponding host. Otherwise leave it blank.</p>						

Step	Description
27.	<p>To use a local System Landscape Directory (SLD), select <code>No SLD destination</code> and continue. Otherwise choose <code>Use existing SLD for registration</code> and enter the corresponding data.</p> <div data-bbox="316 456 1129 884" style="border: 1px solid #ccc; padding: 10px;"> <p><b>Register in System Landscape Directory</b></p> <p> <input type="radio"/> <code>Use existing SLD for registration</code>  <input checked="" type="radio"/> <code>No SLD destination</code> </p> <p><b>Connect Data for Existing SLD</b></p> <p> <input type="checkbox"/> <code>Use HTTPS</code>  <input type="text" value="SLD Host"/>  <input type="text" value="SLD HTTP(S) Port"/>  <input type="text" value="SLD Data Supplier User"/>  <input type="text" value="Password of SLD Data Supplier User"/> </p> </div>
28.	<p>Specify if you want to have a message server Access Control List (ACL) created.</p> <div data-bbox="316 969 962 1111" style="border: 1px solid #ccc; padding: 10px;"> <p><b>Message Server Access Control List</b></p> <p> <input type="radio"/> <code>Create Message Server Access Control List</code>  <input checked="" type="radio"/> <code>Do not create Message Server Access Control List</code> </p> </div>
29.	<p>Choose the additional components you want to have running within the ASCS instance to be installed.</p> <div data-bbox="316 1193 794 1294" style="border: 1px solid #ccc; padding: 10px;"> <p><b>Enable Additional Components</b></p> <p><input type="checkbox"/> <code>Install SAP Web Dispatcher integrated</code></p> </div>
30.	<p>Read the <i>Additional Information</i> and decide whether <code>Individual Key</code> or <code>Default Key</code> applies.</p> <div data-bbox="316 1384 1018 1514" style="border: 1px solid #ccc; padding: 10px;"> <p><b>Secure Storage Individual Key Information</b></p> <p> <input checked="" type="radio"/> <code>Individual Key (Recommended for Productive Systems)</code>  <input type="radio"/> <code>Default Key</code> </p> </div>
31.	<p>Enter the user IDs required for the User Management Engine (UME) users stored in the ABAP system.</p> <div data-bbox="316 1597 978 1798" style="border: 1px solid #ccc; padding: 10px;"> <p><b>Default Administrator, Guest, and Communication Users</b></p> <p> <input type="text" value="Administrator User"/> <input type="text" value="J2EE_ADMIN"/>  <input type="text" value="Guest User"/> <input type="text" value="J2EE_GUEST"/>  <input type="text" value="Communication User"/> <input type="text" value="SAPJSF"/> </p> </div>

Step	Description
32.	<p>Enter the passwords for the User Management Engine (UME) users stored in the ABAP system.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>Administrator and Communication User Passwords</b></p> <p> <input type="password" value="Password of Administrator"/> <input type="password" value="Confirm"/> </p> <p> <input type="password" value="Password of Communication User"/> <input type="password" value="Confirm"/> </p> </div>
33.	<p>Choose <b>Next</b> to start with the values shown. Otherwise, select the parameters to be changed and choose <b>Revise</b>. You are then taken to the screen where you can change the parameter. You might be guided through other screens that have so far been processed.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>Parameter List</b></p> <p><input type="checkbox"/> <b>Parameter Settings</b></p> <p>Parameter Mode  <input type="text" value="Typical"/></p> <p><input checked="" type="checkbox"/> <b>General SAP System Parameters</b></p> <p>SAP System ID (SAPSID)</p> <p> <input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Revise"/> <input type="button" value="Show Detail"/> </p> <p style="text-align: center;"><input type="button" value="Edit input values"/></p> </div>
34.	<p>After setting the parameters you can start the installation with <b>NEXT</b>.</p>

## 4.2 Installing SAP Solution Manager Java

Step	Description
1.	Start the <i>Software Provisioning Manager</i> .

Step	Description						
2.	<p>Choose <i>Standard System</i> under <b>SAP Solution Manager 7.2 Support Release 1</b> &gt; <b>SAP Solution Manager 7.2 Java Support Release 1</b> &gt; <b>SAP ASE</b> &gt; <b>SAP Systems</b> &gt; <b>Application Server ABAP</b> &gt; <b>Standard System</b></p>  <p>The screenshot shows a tree view under 'SAP Solution Manager 7.2 Java Support Release 1'. The path is: SAP ASE &gt; SAP Systems &gt; Application Server Java &gt; Standard System. The 'Standard System' folder is highlighted with a yellow background.</p>						
3.	<p>Select <i>Custom</i> installation mode.</p> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0;"> <p><b>Parameter Settings</b></p> <p>Parameter Mode <input type="radio"/> Typical <input checked="" type="radio"/> Custom</p> </div>						
4.	<p>Enter the <i>Package Path</i> to the SAP Kernel and click <i>Next</i>.</p> <p>Ensure that the <i>Status</i> of the <i>SAPJVM6.SAR</i> has changed to <i>Available</i>.</p> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0;"> <p><b>Search Location</b></p> <p>Specify the path to a SAR Archive, to a download folder or to a DVD as <i>Package Path</i>.</p> <p>Package Path <input type="text" value="/media/inst/kernel/51050554_3"/> <input type="button" value="Browse..."/></p> <p style="text-align: center;"><input type="button" value="Next &gt;"/></p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Package Name</th> <th>Individual Package Location</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>SAPJVM6.SAR (Patch 64 or higher)</td> <td>/media/inst/kernel/51050554_3/DATA_UN...</td> <td>Available</td> </tr> </tbody> </table>	Package Name	Individual Package Location	Status	SAPJVM6.SAR (Patch 64 or higher)	/media/inst/kernel/51050554_3/DATA_UN...	Available
Package Name	Individual Package Location	Status					
SAPJVM6.SAR (Patch 64 or higher)	/media/inst/kernel/51050554_3/DATA_UN...	Available					
5.	<p>Enter the <i>Package Location</i> to the <i>Java Component NW740 SPS12</i>.</p> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0;"> <p><b>Software Package Request</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Medium</th> <th>Package Location</th> <th></th> </tr> </thead> <tbody> <tr> <td>Java Component NW740 SPS12 (folder JAVA_J2EE_OSINDEP_UT)</td> <td>/media/inst/java/swd...</td> <td><input type="button" value="Browse..."/></td> </tr> </tbody> </table> </div>	Medium	Package Location		Java Component NW740 SPS12 (folder JAVA_J2EE_OSINDEP_UT)	/media/inst/java/swd...	<input type="button" value="Browse..."/>
Medium	Package Location						
Java Component NW740 SPS12 (folder JAVA_J2EE_OSINDEP_UT)	/media/inst/java/swd...	<input type="button" value="Browse..."/>					

Step	Description						
6.	<p>Enter the Package Location to the <i>Java Component Solution Manager 7.2</i>.</p> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>Software Package Request</b></p> <table border="1"> <thead> <tr> <th>Medium</th> <th>Package Location</th> <th></th> </tr> </thead> <tbody> <tr> <td>Java Component Solution Manager 7.2</td> <td>/media/inst/ja...</td> <td>Browse...</td> </tr> </tbody> </table> </div>	Medium	Package Location		Java Component Solution Manager 7.2	/media/inst/ja...	Browse...
Medium	Package Location						
Java Component Solution Manager 7.2	/media/inst/ja...	Browse...					
7.	<p>Enter the SAP System ID.</p> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>SAP System</b></p> <p>SAP System ID (SAPSID)* <input type="text" value="JSM"/></p> <p>SAP Mount Directory <input type="text" value="/sapmnt"/> <input type="button" value="Browse..."/></p> </div>						
8.	<p>Enter the DNS domain name for the SAP system to calculate the fully qualified domain name (FQDN).</p> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>SAP System Domain Name</b></p> <p>Set FQDN for SAP system <input checked="" type="checkbox"/></p> <p>DNS Domain Name for SAP System* <input type="text" value="mo.sap.corp"/></p> </div>						
9.	<p>Enter the Master Password.</p> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>Master Password</b></p> <p>The master password is used for all users that are created. Check the F1 help for restrictions and dependencies.</p> <p>Password for All Users* <input type="password" value="*****"/></p> <p>Confirm* <input type="password" value="*****"/></p> </div>						
10.	<p>Enter the account settings for the SAP system administrator.</p> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>SAP System Administrator</b></p> <p>Account: <i>jsmadm</i></p> <p>Password of SAP System Administrator* <input type="password" value="*****"/></p> <p>Confirm* <input type="password" value="*****"/></p> <p>User ID <input type="text"/></p> <p>Group ID of sapsys <input type="text" value="2019"/></p> <p>Login Shell <input type="text" value="/bin/csh"/> <input type="button" value="Browse..."/></p> <p>Home Directory <input type="text"/> <input type="button" value="Browse..."/></p> </div>						

Step	Description																		
11.	<p>Enter the account settings for the SAP database administrator.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>SAP Database Administrator</b></p> <p>Account: sybjsm</p> <p>Password* <input type="password" value="*****"/></p> <p>Confirm* <input type="password" value="*****"/></p> <p>User ID <input type="text"/></p> </div>																		
12.	<p>All SAP Kernel packages are now in status <i>Available</i>. If not, you need to select them as mentioned in Step 4 and provide the SAP Kernel again in <code>Package Path</code>. Ensure that the <i>Status</i> of all required packages is <i>Available</i>.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Package Name</th> <th>Individual Package Location</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>SAPEXE.SAR 7.42</td> <td>/media/inst/kernel/51...</td> <td>Available</td> </tr> <tr> <td>SAPHOSTAGENT.SAR 721 (Latest Patch)</td> <td>/media/inst/kernel/51...</td> <td>Available</td> </tr> <tr> <td>IGSEXE.SAR</td> <td>/media/inst/kernel/51...</td> <td>Available</td> </tr> <tr> <td>IGSHELPER.SAR</td> <td>/media/inst/kernel/51...</td> <td>Available</td> </tr> <tr> <td>SAPEXEDB.SAR (matching SAPEXE Version and Patch)</td> <td>/media/inst/kernel/51...</td> <td>Available</td> </tr> </tbody> </table>	Package Name	Individual Package Location	Status	SAPEXE.SAR 7.42	/media/inst/kernel/51...	Available	SAPHOSTAGENT.SAR 721 (Latest Patch)	/media/inst/kernel/51...	Available	IGSEXE.SAR	/media/inst/kernel/51...	Available	IGSHELPER.SAR	/media/inst/kernel/51...	Available	SAPEXEDB.SAR (matching SAPEXE Version and Patch)	/media/inst/kernel/51...	Available
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IGSHELPER.SAR	/media/inst/kernel/51...	Available																	
SAPEXEDB.SAR (matching SAPEXE Version and Patch)	/media/inst/kernel/51...	Available																	
13.	<p>OPTIONAL:</p> <p>If you have downloaded the latest SAP Host Agent, you can install it directly. Therefore, the archive must be added in the <code>Package Path</code> and click <code>Next</code>. The <i>Individual Package Location</i> changes to the path you entered and the <i>Status</i> stays <i>Available</i>.</p>																		
14.	<p>Enter the <code>Package Location</code> to the SAP ASE database.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>Software Package Request</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Medium</th> <th>Package Location</th> <th></th> </tr> </thead> <tbody> <tr> <td>SAP ASE</td> <td>/sybshare/asedrops/SHI...</td> <td><input type="button" value="Browse..."/></td> </tr> </tbody> </table> </div>	Medium	Package Location		SAP ASE	/sybshare/asedrops/SHI...	<input type="button" value="Browse..."/>												
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SAP ASE	/sybshare/asedrops/SHI...	<input type="button" value="Browse..."/>																	
15.	<p>Enter configuration parameters for the database system.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p><b>Size of ASE System Databases</b></p> <p>Master Database (MB)* <input type="text" value="300"/></p> <p>Sybsystemprocs Database (MB)* <input type="text" value="300"/></p> <p>Sybsystemdb Database (MB)* <input type="text" value="50"/></p> <p>Sybmgrmtdb Database (MB)* <input type="text" value="150"/></p> </div>																		

Step	Description																																
16.	<p>Enter configuration parameters for the database system.</p> <div style="border: 1px solid #ccc; padding: 10px;"> <p><b>Database Configuration Parameters</b></p> <p>Enable index compression <input checked="" type="checkbox"/></p> <p><b>Database Devices</b></p> <p>Enable automatic expansion of data devices <input type="checkbox"/></p> <p>Avoid initialization of database devices with zeros <input checked="" type="checkbox"/></p> <p><b>Confidentiality of Data on the Network</b></p> <p>Enable encrypted data transmission with SSL <input type="checkbox"/></p> <p>Password* <input type="text"/></p> <p><b>Confidentiality of Data on the Disk</b></p> <p>Enable full database encryption <input type="checkbox"/></p> <p>Encryption Key Name* <input type="text" value="sapdbkey"/></p> <p>Encryption Master Key Password* <input type="text" value="*****"/></p> </div>																																
17.	<p>Enter configuration parameters for the database system.</p> <div style="border: 1px solid #ccc; padding: 10px;"> <p><b>Database Server</b></p> <p>Database Software Destination* <input type="text" value="/sybase/JSM"/> <input type="button" value="Browse..."/></p> <p><b>Database Devices</b></p> <p>Destination of System Devices* <input type="text" value="/sybase/JSM/sybsystem"/> <input type="button" value="Browse..."/></p> <p>Destination of tempdb Device* <input type="text" value="/sybase/JSM/sytemp"/> <input type="button" value="Browse..."/></p> <p>Size of tempdb Device (GB)* <input type="text" value="3"/></p> <p><b>Destination of Database Devices</b></p> <table border="1"> <thead> <tr> <th>Database Devices</th> <th>Datafile Folder</th> <th></th> <th>Datafil...</th> </tr> </thead> <tbody> <tr> <td>data device for SAP</td> <td>/sybase/JSM/sapda...</td> <td><input type="button" value="Browse..."/></td> <td>10</td> </tr> <tr> <td>log device for SAP</td> <td>/sybase/JSM/saplog_1</td> <td><input type="button" value="Browse..."/></td> <td>5</td> </tr> <tr> <td>data device for sapt...</td> <td>/sybase/JSM/sapdiag</td> <td><input type="button" value="Browse..."/></td> <td>2</td> </tr> <tr> <td>log device for sapt...</td> <td>/sybase/JSM/sapdiag</td> <td><input type="button" value="Browse..."/></td> <td>0.2</td> </tr> <tr> <td>data device for sybs...</td> <td>/sybase/JSM/sybse...</td> <td><input type="button" value="Browse..."/></td> <td>0.2</td> </tr> <tr> <td>log device for sybs...</td> <td>/sybase/JSM/sybse...</td> <td><input type="button" value="Browse..."/></td> <td>0.02</td> </tr> <tr> <td>temp device for SAP</td> <td>/sybase/JSM/saptemp</td> <td><input type="button" value="Browse..."/></td> <td>5</td> </tr> </tbody> </table> </div>	Database Devices	Datafile Folder		Datafil...	data device for SAP	/sybase/JSM/sapda...	<input type="button" value="Browse..."/>	10	log device for SAP	/sybase/JSM/saplog_1	<input type="button" value="Browse..."/>	5	data device for sapt...	/sybase/JSM/sapdiag	<input type="button" value="Browse..."/>	2	log device for sapt...	/sybase/JSM/sapdiag	<input type="button" value="Browse..."/>	0.2	data device for sybs...	/sybase/JSM/sybse...	<input type="button" value="Browse..."/>	0.2	log device for sybs...	/sybase/JSM/sybse...	<input type="button" value="Browse..."/>	0.02	temp device for SAP	/sybase/JSM/saptemp	<input type="button" value="Browse..."/>	5
Database Devices	Datafile Folder		Datafil...																														
data device for SAP	/sybase/JSM/sapda...	<input type="button" value="Browse..."/>	10																														
log device for SAP	/sybase/JSM/saplog_1	<input type="button" value="Browse..."/>	5																														
data device for sapt...	/sybase/JSM/sapdiag	<input type="button" value="Browse..."/>	2																														
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log device for sybs...	/sybase/JSM/sybse...	<input type="button" value="Browse..."/>	0.02																														
temp device for SAP	/sybase/JSM/saptemp	<input type="button" value="Browse..."/>	5																														

Step	Description
18.	<p>Enter configuration parameters for the database system.</p> <p><b>Database Server</b></p> <p>Host Name* <input type="text" value="solman"/></p> <p>Port Number of Data Server* <input type="text" value="4905"/></p> <p>Port Number of Backup Server* <input type="text" value="4906"/></p> <p>Port Number of Job Scheduler* <input type="text" value="4907"/></p> <p>Port Number of XP Server* <input type="text" value="4908"/></p>
19.	<p>Enter the password for the database users.</p> <p><b>Database User Passwords</b></p> <p>sa* <input type="password" value="*****"/></p> <p>sapsa* <input type="password" value="*****"/></p> <p>sapss0* <input type="password" value="*****"/></p> <p>SAPSR3DB* <input type="password" value="*****"/></p>
20.	<p>Enter configuration parameters for the database system.</p> <p><b>Database Server</b></p> <p>Physical Memory (MB)* <input type="text" value="7000"/></p> <p>Number of Cores* <input type="text" value="4"/></p> <p>Number of Database Connections* <input type="text" value="200"/></p>
21.	<p>Specify the key phrase for encrypting the secure store.</p> <p><b>Secure Store Settings</b></p> <p>Key Phrase (8-30 characters)* <input type="password" value="*****"/></p> <p>Confirm* <input type="password" value="*****"/></p>
22.	<p>Enter parameters for updating database statistics.</p> <p><b>Database Statistics</b></p> <p>Use Built-In Update Statistic <input checked="" type="checkbox"/></p> <p>Number of Parallel Jobs <input type="text" value="2"/></p>

Step	Description									
23.	<p>Enter the required parameters for the primary application server (PAS) instance and for the central services (SCS) instance.</p> <div data-bbox="309 450 1187 1182" style="border: 1px solid #ccc; padding: 10px;"> <p><b>Primary Application Server Instance and Central Services Instance</b></p> <p>The following SAP system instances already exist on this host:</p> <table border="1" data-bbox="312 551 1177 663"> <thead> <tr> <th>SAP System ID (SAPSID)</th> <th>Instance Name</th> <th>Instance Number</th> </tr> </thead> <tbody> <tr> <td>ASM</td> <td>DVEBMGS00</td> <td>00</td> </tr> <tr> <td>ASM</td> <td>ASCS01</td> <td>01</td> </tr> </tbody> </table> <p>PAS Instance Number* <input type="text" value="02"/></p> <p>PAS Instance Host Name* <input type="text" value="solman"/></p> <p>SCS Instance Number* <input type="text" value="03"/></p> <p>SCS Instance Host Name* <input type="text" value="solman"/></p> <p>Select how to determine the number of Java server nodes <input checked="" type="radio"/> Automatically  <input type="radio"/> Manually</p> <p>Number of Java Server Nodes <input type="text"/></p> </div>	SAP System ID (SAPSID)	Instance Name	Instance Number	ASM	DVEBMGS00	00	ASM	ASCS01	01
SAP System ID (SAPSID)	Instance Name	Instance Number								
ASM	DVEBMGS00	00								
ASM	ASCS01	01								
24.	<p>Enter the required Java message server port.</p> <div data-bbox="309 1267 798 1368" style="border: 1px solid #ccc; padding: 10px;"> <p><b>Java Message Server Port</b></p> <p>Internal Java Message Server Port <input type="text" value="3903"/></p> </div>									
25.	<p>Enter the password for the web administration user <i>webadm</i> used by the SAP Web Dispatcher.</p> <div data-bbox="309 1458 983 1608" style="border: 1px solid #ccc; padding: 10px;"> <p><b>Internet Communication Manager (ICM) User Management</b></p> <p>Password of 'webadm'* <input type="password" value="*****"/></p> <p>Confirm* <input type="password" value="*****"/></p> </div>									

Step	Description
26.	<p>Enter the connection parameters for the external ABAP system. The required information refers to the previously installed SAP Solution Manager ABAP system. The <i>Administrator User</i> and <i>Guest User</i> in the external ABAP System must be created manually. Log on to the external ABAP System and use the transaction SU01 and create the users <i>J2EE_ADM_JSM</i> and <i>J2EE_GST_JSM</i> with their corresponding roles (<i>SAP_J2EE_ADMIN</i>; <i>SAP_J2EE_GUEST</i>). Ensure that the password for both users has the status <i>Productive Password</i>.</p> <div data-bbox="300 555 1098 1160" style="border: 1px solid #ccc; padding: 10px;"> <p><b>ABAP Connection</b></p> <p>Application Server Instance Number* <input type="text" value="00"/></p> <p>Application Server Host* <input type="text" value="solman.mo.sap.corp"/></p> <p>SAP System Client* <input type="text" value="001"/></p> <p>Communication User* <input type="text" value="SAPJSF"/></p> <p>Password of Communication User* <input type="password" value="*****"/></p> <p><b>Administrator and Guest Users in the External ABAP System</b></p> <p>Administrator User <input type="text" value="J2EE_ADM_JSM"/></p> <p>Administrator Role <input type="text" value="SAP_J2EE_ADMIN"/></p> <p>Password of Administrator <input type="password" value="*****"/></p> <p>Guest User <input type="text" value="J2EE_GST_JSM"/></p> <p>Guest Role <input type="text" value="SAP_J2EE_GUEST"/></p> </div>
27.	<p>To use a local SLD select <i>No SLD destination</i> and continue.</p> <p>To use a remote SLD select <i>Use existing SLD for registration</i> and enter the corresponding data.</p> <div data-bbox="300 1310 1114 1736" style="border: 1px solid #ccc; padding: 10px;"> <p><b>Register in System Landscape Directory</b></p> <p><input type="radio"/> Use existing SLD for registration</p> <p><input checked="" type="radio"/> No SLD destination</p> <p><b>Connect Data for Existing SLD</b></p> <p>Use HTTPS <input type="checkbox"/></p> <p>SLD Host* <input type="text"/></p> <p>SLD HTTP(S) Port* <input type="text"/></p> <p>SLD Data Supplier User* <input type="text"/></p> <p>Password of SLD Data Supplier User* <input type="password"/></p> </div>

Step	Description
28.	<p>Specify if you want to have a message server Access Control List (ACL) created.</p> <p><b>Message Server Access Control List</b></p> <p><input type="radio"/> Create Message Server Access Control List</p> <p><input checked="" type="radio"/> Do not create Message Server Access Control List</p>
29.	<p>Specify whether you want to integrate your SAP system into the NWDI landscape.</p> <p><b>Integration into NWDI Landscape</b></p> <p><input type="checkbox"/> Prepare SAP System for NWDI Integration</p>
30.	<p>To review all input select Show Detail. You can edit your input or default values by selecting the corresponding parameters and Revise.</p> <p><b>Parameter List</b></p> <p><input type="checkbox"/> <b>Parameter Settings</b></p> <p>Parameter Mode Typical</p> <p><input checked="" type="checkbox"/> <b>General SAP System Parameters</b></p> <p>SAP System ID (SAPSID)</p> <p>Back Next Revise Show Detail</p> <p>Edit input values</p>
31.	<p>After setting the parameters you can start the installation with NEXT.</p>

## 4.3 Installing SAP Diagnostics Agent

The installation of the SAP Diagnostics Agent has two options to connect to the SAP Solution Manager.

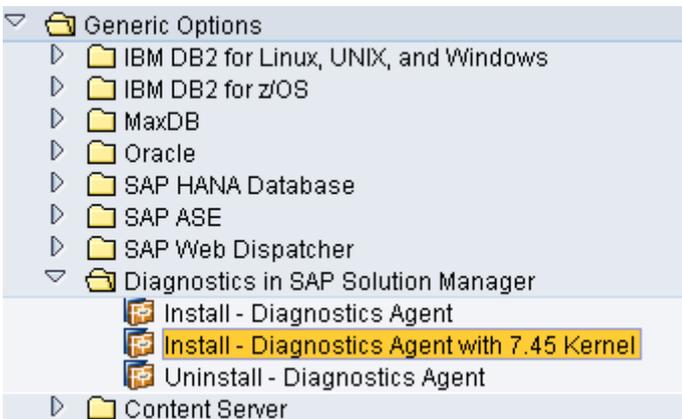
The first is to connect over the SLD and the second is to connect directly. For more information, see [wiki.scn.sap.com/Diagnostics+Agents](https://wiki.scn.sap.com/wiki/Diagnostics+Agents) => *Connection options*.

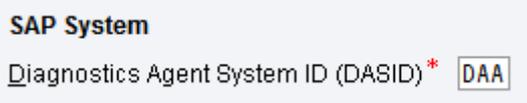
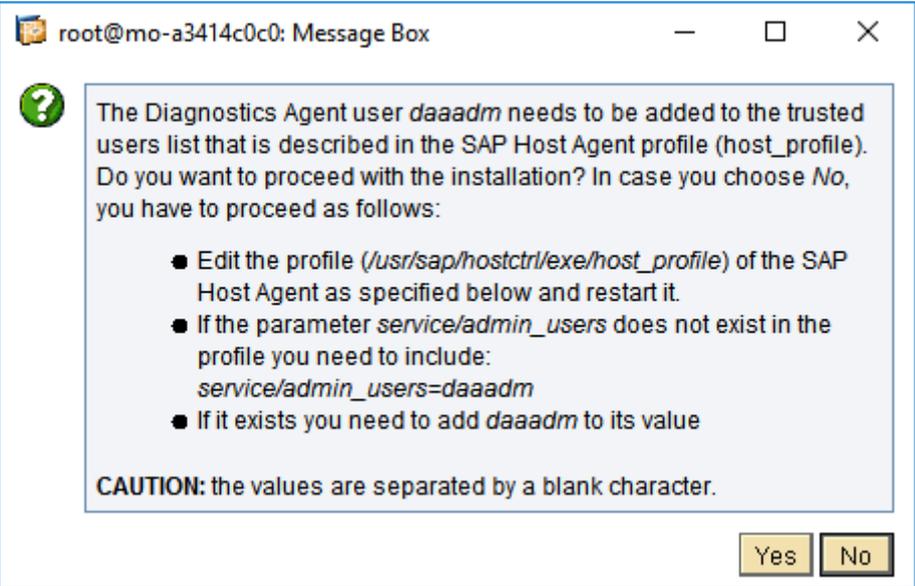
The following description uses the HTTPS connection over the local SLD. This has two prerequisites:

1. Enable SSL encrypted connections: see chapter *Recommended Post-Installation Steps – Activate HTTPS on AS Java* [page 38]
2. Set up a local SLD in the AS Java: see chapter *Recommended Post-Installation Steps - Configuring System Landscape Directory (SLD)* [page 40]

## i Note

The direct connection from SAP Diagnostics Agent to SAP Solution Manager also has two prerequisites: activation of P4S on AS Java and disabling of the maintenance mode in agent administration.

Step	Description															
1.	Start the <i>Software Provisioning Manager</i> .															
2.	<p>Choose ► <i>Generic Options</i> ► <i>Diagnostics in SAP Solution Manager</i> ► <i>Install – Diagnostics Agent with 7.45 Kernel</i> ►.</p> 															
3.	<p>Enter the <i>Package Path</i> to the SAP Kernel and click <i>Next</i>. Ensure that the <i>Status</i> of the <i>SAPJVM6</i> .SAR has changed to <i>Available</i>.</p> <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p><b>Search Location</b></p> <p>Specify the path to a SAR Archive, to a download folder or to a DVD as <i>Package Path</i>.</p> <p>Package Path <input type="text" value="/media/inst/kernel/51050554_3"/> <input type="button" value="Browse..."/></p> </div> <p style="text-align: center;"></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Package Name</th> <th>Individual Package Location</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>SAPEXE.SAR, part of the Kernel</td> <td>/media/inst/kernel/51...</td> <td>Available</td> </tr> <tr> <td>SAPHOSTAGENT.SAR, part of the Kernel</td> <td>/media/inst/kernel/51...</td> <td>Available</td> </tr> <tr> <td>SAPJVM6.SAR, part of the Kernel</td> <td>/media/inst/kernel/51...</td> <td>Available</td> </tr> <tr> <td>SAPDIAGNOSTICSAGENT.SAR, part of the Kernel</td> <td>/media/inst/kernel/51...</td> <td>Available</td> </tr> </tbody> </table>	Package Name	Individual Package Location	Status	SAPEXE.SAR, part of the Kernel	/media/inst/kernel/51...	Available	SAPHOSTAGENT.SAR, part of the Kernel	/media/inst/kernel/51...	Available	SAPJVM6.SAR, part of the Kernel	/media/inst/kernel/51...	Available	SAPDIAGNOSTICSAGENT.SAR, part of the Kernel	/media/inst/kernel/51...	Available
Package Name	Individual Package Location	Status														
SAPEXE.SAR, part of the Kernel	/media/inst/kernel/51...	Available														
SAPHOSTAGENT.SAR, part of the Kernel	/media/inst/kernel/51...	Available														
SAPJVM6.SAR, part of the Kernel	/media/inst/kernel/51...	Available														
SAPDIAGNOSTICSAGENT.SAR, part of the Kernel	/media/inst/kernel/51...	Available														
4.	<p>Enter <i>Diagnostics Agent Host</i>.</p> <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p><b>Diagnostics Agent Host</b></p> <p>Host <input type="text" value="solman"/></p> </div>															

Step	Description
5.	Use SAP System ID DAA   <p><b>SAP System</b>  <u>D</u>iagnostics Agent System ID (DASID) * <input type="text" value="DAA"/></p>
6.	Enter password for <i>daadm</i> .   <p><b>SAP System Administrator</b>            Account: <i>daadm</i>  <u>P</u>assword of SAP System Administrator * <input type="password" value="*****"/>            Confirm * <input type="password" value="*****"/>  <u>U</u>ser ID <input type="text"/>  <u>G</u>roup ID of sapsys <input type="text" value="2019"/></p>
7.	Accept the popup message with Yes.   <p>root@mo-a3414c0c0: Message Box</p> <p><b>?</b> The Diagnostics Agent user <i>daadm</i> needs to be added to the trusted users list that is described in the SAP Host Agent profile (<i>host_profile</i>). Do you want to proceed with the installation? In case you choose <i>No</i>, you have to proceed as follows:</p> <ul style="list-style-type: none"> <li>● Edit the profile (<i>/usr/sap/hostctrl/exe/host_profile</i>) of the SAP Host Agent as specified below and restart it.</li> <li>● If the parameter <i>service/admin_users</i> does not exist in the profile you need to include: <i>service/admin_users=daadm</i></li> <li>● If it exists you need to add <i>daadm</i> to its value</li> </ul> <p><b>CAUTION:</b> the values are separated by a blank character.</p> <p><input type="button" value="Yes"/> <input type="button" value="No"/></p>

Step	Description															
8.	<p>Enter the number of the Diagnostics Agent instance.</p> <p><b>Diagnostics Agent Instance</b></p> <p><u>D</u>etected Instances</p> <table border="1"> <thead> <tr> <th>SAP System ID (SAPSID)</th> <th>Instance</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>ASM</td> <td>DVEBM6S00</td> <td>00</td> </tr> <tr> <td>ASM</td> <td>ASCS01</td> <td>01</td> </tr> <tr> <td>JSM</td> <td>J02</td> <td>02</td> </tr> <tr> <td>JSM</td> <td>SCS03</td> <td>03</td> </tr> </tbody> </table> <p>Instance Number* <input type="text" value="98"/></p>	SAP System ID (SAPSID)	Instance	Number	ASM	DVEBM6S00	00	ASM	ASCS01	01	JSM	J02	02	JSM	SCS03	03
SAP System ID (SAPSID)	Instance	Number														
ASM	DVEBM6S00	00														
ASM	ASCS01	01														
JSM	J02	02														
JSM	SCS03	03														
9.	<p>Enter the destination of the System Landscape Directory (SLD) for the Diagnostics Agent.</p> <p><b>Choose the SLD destination:</b></p> <p><input checked="" type="radio"/> Register in existing central SLD</p> <p><input type="radio"/> No SLD destination</p> <p><b>HTTPS</b></p> <p><input checked="" type="checkbox"/> Use HTTPS</p>															
10.	<p>Enter the parameters of the connection to a central System Landscape Directory (SLD).</p> <p><b>Self-Registration in a Central SLD</b></p> <p>SLD HTTPS Host* <input type="text" value="solman.mo.sap.corp"/></p> <p>SLD HTTPS Port* <input type="text" value="50201"/></p> <p>SLD Data Supplier User* <input type="text" value="SLD_DS_JSM"/></p> <p>Password of SLD Data Supplier User* <input type="password" value="*****"/></p> <p><b>i Note</b></p> <p>This information can be found under <a href="#">SAP NetWeaver Administrator</a> &gt; <a href="#">Configuration</a> &gt; <a href="#">Security</a> &gt; <a href="#">Destinations</a> &gt; <a href="#">SLD_DataSupplier</a> &gt; <a href="#">Logon Data</a> .</p>															

Step	Description
11.	<p>Specify whether you want to connect the Diagnostics Agent to diagnostics in SAP Solution Manager.</p> <p><b>Connection of the Diagnostics Agent to Diagnostics in SAP Solution Manager</b></p> <p>Choose the connection option:</p> <p><input type="radio"/> Configure connection via Java SCS Message Server</p> <p><input checked="" type="radio"/> Do not configure connection</p> <p><b>Secure Sockets Layer (SSL)</b></p> <p><input type="checkbox"/> Use SSL connectivity</p> <p><b>i Note</b></p> <p>Do not configure the direct connection because only one connection to SAP Solution Manager is needed.</p>
12.	Complete the installation.

## 4.4 Installing Wily Introscope Enterprise Manager

Introscope is an application management solution created to manage Java application performance.

Unlike development tools, Introscope is designed to scale with minimal performance impact. This allows you to monitor and manage your application performance in live production environments. Before you can start with the Introscope installation process you must check:

- SAP Note [797147](#)  This is the central entry point for up-to-date information regarding the installation of Introscope. Review the latest version of this note before you start the installation.
- SAP Note [2285189](#)  This note provides recent information specific to Introscope 10.1 releases like known problems and updates. Download all files listed in SAP Note [2285189](#)  from the SAP Service Marketplace. The note explains the exact locations of the files.
- [Introscope Version 10.1 Installation Guide For SAP](#)  This document covers the installation and configuration of Introscope Version 10.1. Follow the instructions in this guide to download the installation media and execute the Introscope installation.

# 5 Post-Installation Steps

## 5.1 Enabling Remote Access to SAP NetWeaver Administrator

To enable remote access to NetWeaver Administrator (NWA), see SAP Note [1451753](#) - Filtering of administration requests for AS Java.

## 5.2 Installing the License

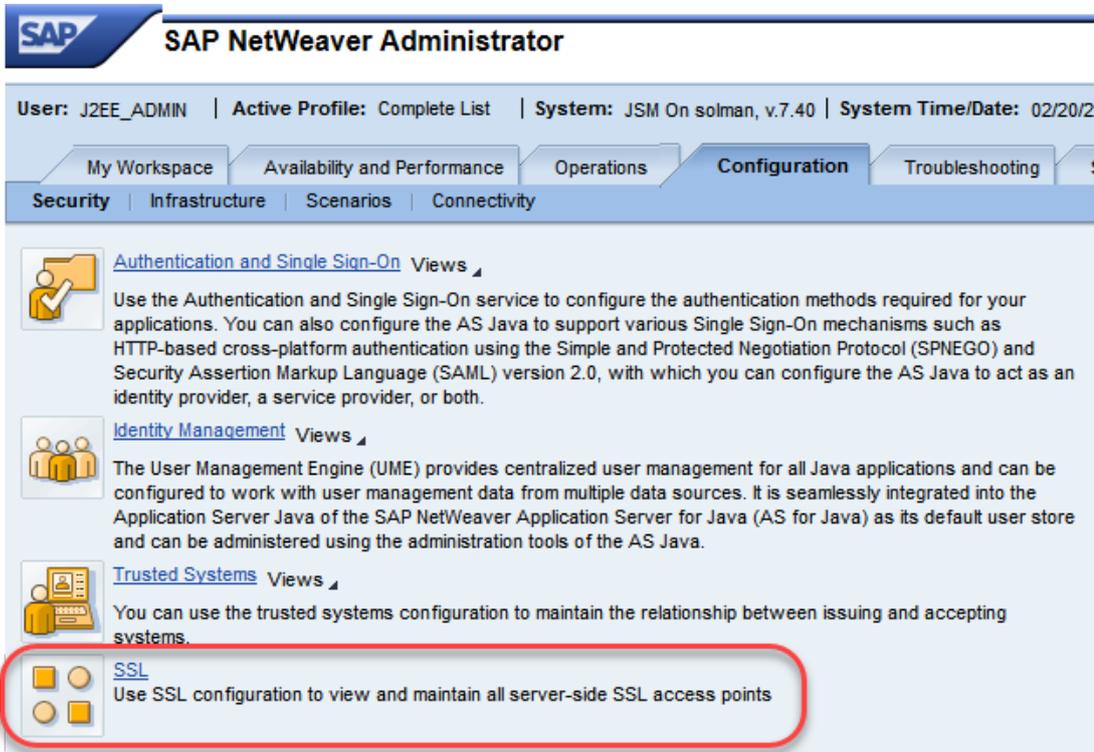
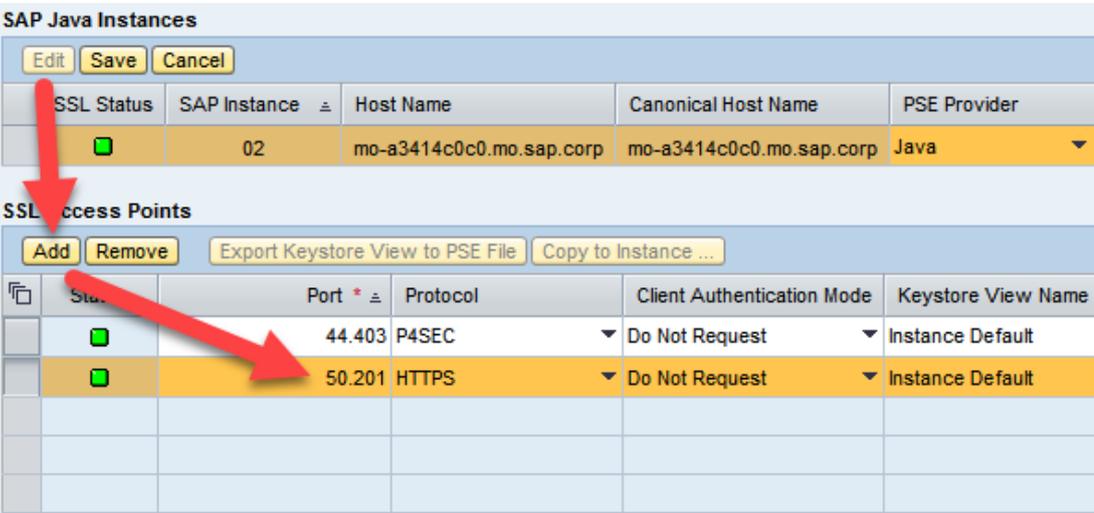
Install the license key according to SAP Note [870871](#) - License key installation.

## 5.3 Activate HTTPS on AS Java

This chapter describes how to enable the HTTPS port on AS Java with the SAP NetWeaver Administrator (NWA).

By using this option, you can only specify a static port to open. If you want to use HTTPS with a dynamic port – e.g. using the instance number with \$(SAPSYSTEM) – you need to directly edit the profile parameters.

Step	Description
1.	Open the NWA: <code>http://&lt;servername&gt;:5&lt;instanceID&gt;00/nwa</code>

Step	Description																									
2.	<p>Navigate to ► <a href="#">Configuration</a> ► <a href="#">Security</a> ► <a href="#">SSL</a> ►</p>  <p>The screenshot shows the SAP NetWeaver Administrator interface. At the top, the user is identified as J2EE_ADMIN. The navigation menu includes 'My Workspace', 'Availability and Performance', 'Operations', 'Configuration', and 'Troubleshooting'. Under 'Configuration', there are sub-menus for 'Security', 'Infrastructure', 'Scenarios', and 'Connectivity'. The 'Security' section is expanded, showing options for 'Authentication and Single Sign-On Views', 'Identity Management Views', 'Trusted Systems Views', and 'SSL'. The 'SSL' option is highlighted with a red circle and contains the text: 'Use SSL configuration to view and maintain all server-side SSL access points'.</p>																									
3.	<p>Edit the corresponding SAP instance.</p> <div data-bbox="304 1261 1398 1447" style="background-color: #fff9c4; padding: 5px;"> <p><b>Note</b></p> <p>A <i>Ticket File</i> can be added by choosing <b>Browse</b> and selecting the <code>SAPCRYPTO.SAR</code> from the SAP Kernel, which was used in the installation. (Example: <code>&lt;kernel_path&gt;\DATA_UNITS\K_745_U_LINUX_X86_64\BINDEF\SAPCRYPTO.SAR</code>) This changes the SSL Status to green.</p> </div>  <p>The screenshot shows the 'SAP Java Instances' configuration screen. It includes buttons for 'Edit', 'Save', and 'Cancel'. Below is a table with the following data:</p> <table border="1" data-bbox="304 1547 1398 1630"> <thead> <tr> <th>SSL Status</th> <th>SAP Instance</th> <th>Host Name</th> <th>Canonical Host Name</th> <th>PSE Provider</th> </tr> </thead> <tbody> <tr> <td>Green</td> <td>02</td> <td>mo-a3414c0c0.mo.sap.corp</td> <td>mo-a3414c0c0.mo.sap.corp</td> <td>Java</td> </tr> </tbody> </table> <p>Below this is the 'SSL Access Points' configuration screen, including buttons for 'Add', 'Remove', 'Export Keystore View to PSE File', and 'Copy to Instance ...'. It contains a table with the following data:</p> <table border="1" data-bbox="304 1742 1398 1861"> <thead> <tr> <th>SSL Status</th> <th>Port</th> <th>Protocol</th> <th>Client Authentication Mode</th> <th>Keystore View Name</th> </tr> </thead> <tbody> <tr> <td>Green</td> <td>44.403</td> <td>P4SEC</td> <td>Do Not Request</td> <td>Instance Default</td> </tr> <tr> <td>Green</td> <td>50.201</td> <td>HTTPS</td> <td>Do Not Request</td> <td>Instance Default</td> </tr> </tbody> </table> <p>Red arrows in the screenshot point to the 'Edit' button in the 'SAP Java Instances' table and the '50.201' port entry in the 'SSL Access Points' table.</p>	SSL Status	SAP Instance	Host Name	Canonical Host Name	PSE Provider	Green	02	mo-a3414c0c0.mo.sap.corp	mo-a3414c0c0.mo.sap.corp	Java	SSL Status	Port	Protocol	Client Authentication Mode	Keystore View Name	Green	44.403	P4SEC	Do Not Request	Instance Default	Green	50.201	HTTPS	Do Not Request	Instance Default
SSL Status	SAP Instance	Host Name	Canonical Host Name	PSE Provider																						
Green	02	mo-a3414c0c0.mo.sap.corp	mo-a3414c0c0.mo.sap.corp	Java																						
SSL Status	Port	Protocol	Client Authentication Mode	Keystore View Name																						
Green	44.403	P4SEC	Do Not Request	Instance Default																						
Green	50.201	HTTPS	Do Not Request	Instance Default																						

Step	Description
4.	Enter the Port and choose HTTPS as Protocol and Save your entries.
5.	Choose Restart Now. 

## 5.4 Configuring System Landscape Directory (SLD)

The System Landscape Directory (SLD) is the central directory of system landscape information relevant for the management of your software lifecycle.

It contains a description of your system landscape and a repository of software components that can be installed in your landscape.

In this way, the System Landscape Directory acts as a central information provider for SAP and third-party tools that use this data to deliver the services you need to keep your landscape up and running.

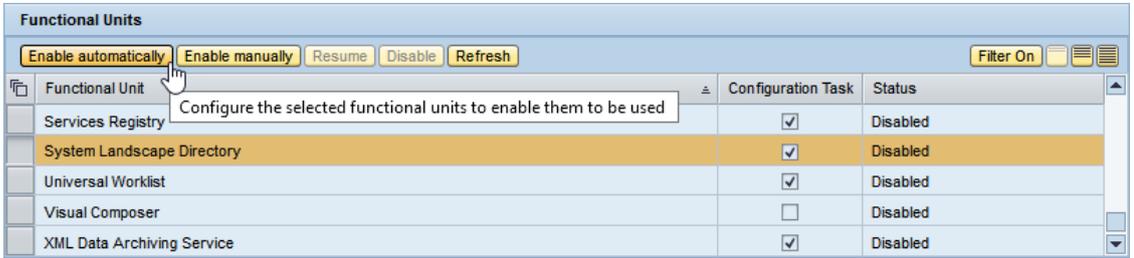
The SLD is automatically installed with the SAP Solution Manager system.

There are two options to set up your SAP Solution Manager System landscape:

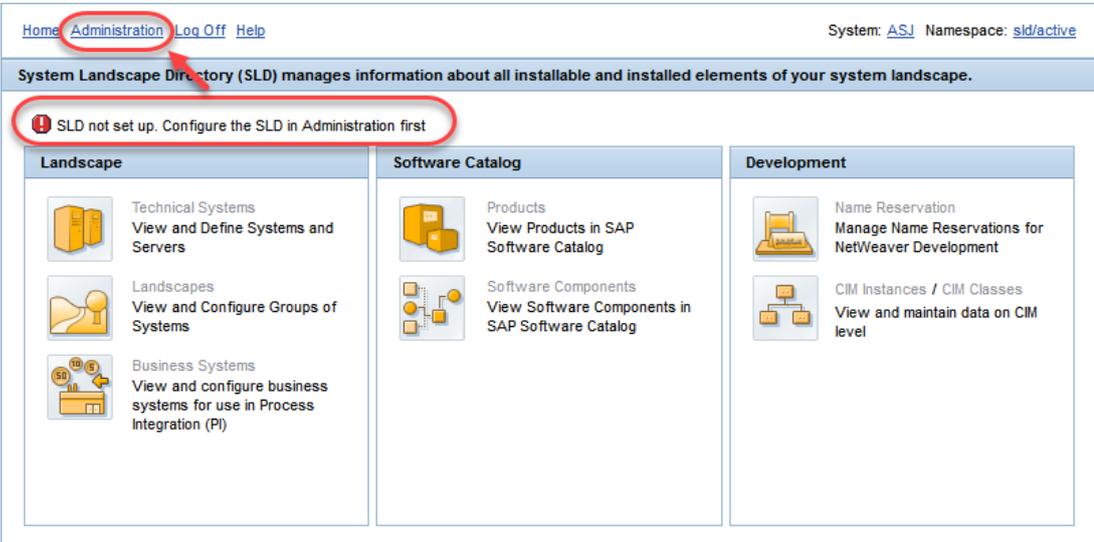
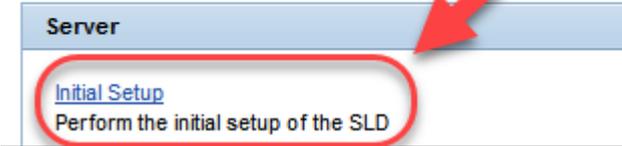
- [Automatic set up of the system landscape \[page 40\]](#)
- [Manual set up of the system landscape \[page 42\]](#)

### 5.4.1 Automatic set up of the system landscape

Step	Description
1.	Open the functional units of SLD: <pre>http://&lt;servername&gt;:5&lt;instanceID&gt;00/sld/fun or</pre> <pre>https://&lt;servername&gt;:5&lt;instanceID&gt;01/sld/fun</pre> <div style="background-color: #fff9c4; padding: 10px; margin-top: 10px;"> <p><b>i Note</b></p> <p>The links shown are the default URLs.</p> </div>

Step	Description																		
2.	<p>Select <i>System Landscape Directory</i> and click <b>Enable automatically</b>.</p>  <table border="1"> <caption>Functional Units Configuration</caption> <thead> <tr> <th>Functional Unit</th> <th>Configuration Task</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>Services Registry</td> <td><input checked="" type="checkbox"/></td> <td>Disabled</td> </tr> <tr> <td><b>System Landscape Directory</b></td> <td><input checked="" type="checkbox"/></td> <td><b>Disabled</b></td> </tr> <tr> <td>Universal Worklist</td> <td><input checked="" type="checkbox"/></td> <td>Disabled</td> </tr> <tr> <td>Visual Composer</td> <td><input type="checkbox"/></td> <td>Disabled</td> </tr> <tr> <td>XML Data Archiving Service</td> <td><input checked="" type="checkbox"/></td> <td>Disabled</td> </tr> </tbody> </table>	Functional Unit	Configuration Task	Status	Services Registry	<input checked="" type="checkbox"/>	Disabled	<b>System Landscape Directory</b>	<input checked="" type="checkbox"/>	<b>Disabled</b>	Universal Worklist	<input checked="" type="checkbox"/>	Disabled	Visual Composer	<input type="checkbox"/>	Disabled	XML Data Archiving Service	<input checked="" type="checkbox"/>	Disabled
Functional Unit	Configuration Task	Status																	
Services Registry	<input checked="" type="checkbox"/>	Disabled																	
<b>System Landscape Directory</b>	<input checked="" type="checkbox"/>	<b>Disabled</b>																	
Universal Worklist	<input checked="" type="checkbox"/>	Disabled																	
Visual Composer	<input type="checkbox"/>	Disabled																	
XML Data Archiving Service	<input checked="" type="checkbox"/>	Disabled																	
3.	<p>Enter the passwords.</p> 																		
4.	<p>Set up a new local SLD.</p> 																		
5.	<p>Wait for the setup to complete.</p>																		

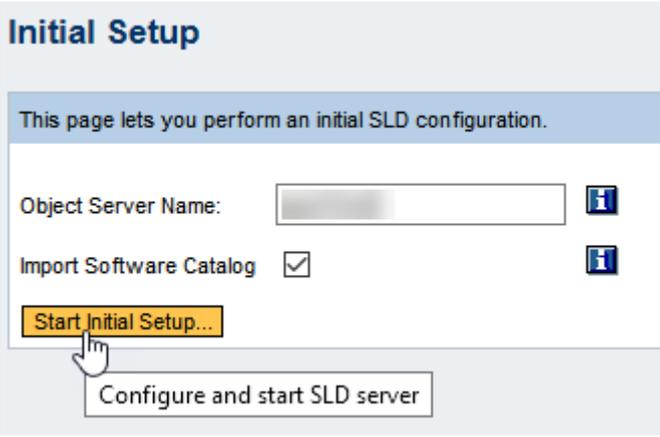
## 5.4.2 Manual set up of the system landscape

Step	Description
1.	<p>Open the SLD:</p> <p><code>http://&lt;servername&gt;:5&lt;instanceID&gt;00/sld</code> or</p> <p><code>https://&lt;servername&gt;:5&lt;instanceID&gt;01/sld</code></p> <div style="background-color: #fff9c4; padding: 10px; border: 1px solid #ccc;"> <p><b>i Note</b></p> <p>The links shown are the default URLs.</p> </div>
2.	<p>Go to Administration.</p>  <p>The screenshot shows the SAP Administration console. At the top, there are navigation links: Home, Administration (circled in red), Log Off, and Help. The system information is 'System: ASJ' and 'Namespace: sld/active'. A blue banner states: 'System Landscape Directory (SLD) manages information about all installable and installed elements of your system landscape.' Below this, a red-bordered box contains a warning icon and the text: 'SLD not set up. Configure the SLD in Administration first'. The main content area is divided into three columns: 'Landscape' (Technical Systems, Landscapes, Business Systems), 'Software Catalog' (Products, Software Components), and 'Development' (Name Reservation, CIM Instances / CIM Classes).</p>
3.	<p>And select Initial Setup.</p> <p><input checked="" type="checkbox"/> SLD not set up; perform initial setup first</p> <p><input type="checkbox"/> SLD Not Set Up <input type="button" value="Start SLD"/></p>  <p>The screenshot shows the 'Server' section of the SAP Administration console. A red arrow points to the 'Initial Setup' link, which is circled in red. Below the link, it says 'Perform the initial setup of the SLD'.</p>

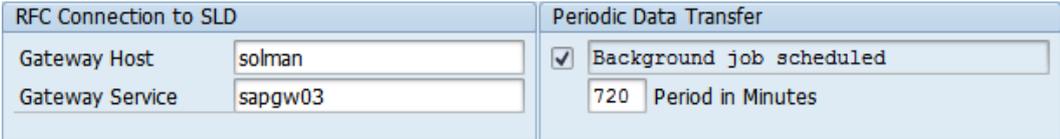
### i Note

**Object Server Name** - The object server parameter together with the CIM namespace, identifies the absolute location of the SAP System Landscape Directory. The parameter value must be equal to an ABAP namespace reserved in the SAP Service Marketplace (without the enclosing slashes). This convention

guarantees global separation of all objects in the directory. If you do not have an ABAP namespace or if you just want to install a test or development system, enter the central host name of the SAP J2EE Engine.

Step	Description
1.	<p>Click <b>Start Initial Setup...</b></p> 
2.	<p>Go back to <i>SLD Administration</i> and check if SLD is <i>Running</i>.</p> 

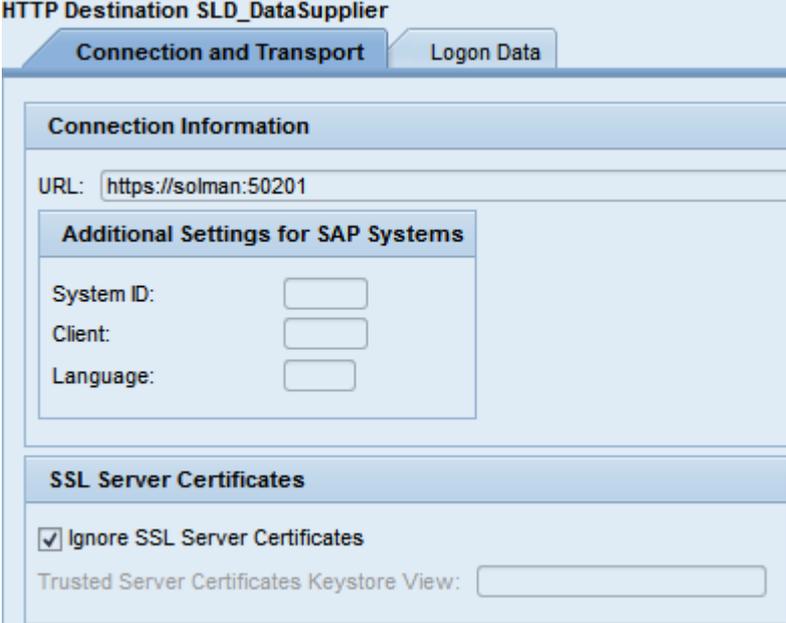
## 5.5 Configuring SAP System to SLD Synchronization

Step	Description
1.	Start transaction RZ70
2.	<p>Enter the required data and execute.</p> 

Step	Description
3.	<p>Verify that the transmission was successful.</p> <pre> SLD DS Start Program  0: solman_ASM_00      : Execute program: _SLD_APPL_SERV 0: solman_ASM_00      : Execute program: _SLD_BCSYS 0: solman_ASM_00      : Execute program: _SLD_CLIENT 0: solman_ASM_00      : Execute program: _SLD_COMPSYS 0: solman_ASM_00      : Execute program: _SLD_DBCON 0: solman_ASM_00      : Execute program: _SLD_DBSYS 0: solman_ASM_00      : Execute program: _SLD_GWSRV 0: solman_ASM_00      : Execute program: _SLD_HTTPSERV 0: solman_ASM_00      : Execute program: _SLD_INSTPRD 0: solman_ASM_00      : Execute program: _SLD_INSTSC 0: solman_ASM_00      : Execute program: _SLD_INSTSP 0: solman_ASM_00      : Execute program: _SLD_IPSERV 0: solman_ASM_00      : Execute program: _SLD_LIVECACHE 0: solman_ASM_00      : Execute program: _SLD_MSGSRV 0: solman_ASM_00      : Execute program: _SLD_NWSYS 0: solman_ASM_00      : Execute program: _SLD_RCC 0: solman_ASM_00      : Collection of SLD data finished 0: solman_ASM_00      : Data collected successfully 0: solman_ASM_00      : RFC data prepared 0: solman_ASM_00      : Used RFC destination: SLD_UC 0: solman_ASM_00      : RFC call successful 0: solman_ASM_00      : Existing periodic jobs removed. 0: solman_ASM_00      : Program scheduled: 20170218 031900 0: solman_ASM_00      : SLD job for system start: Program scheduled: SAP_SYSTEM_START </pre>

## 5.5.1 Validate SLD

Step	Description
1.	<p>Open <i>SAP NetWeaver Administrator</i> and navigate to ► <i>Configuration</i> ► <i>Security</i> ► <i>Destinations</i> ► <i>SLD_DataSupplier</i> ►.</p>

Step	Description
2.	<p>Confirm the information under <i>Connection and Transport</i>.</p> 
3.	<p>Confirm the information under <i>Logon Data</i>.</p> 
4.	<p>Use <i>Ping Destination</i> and confirm the response.</p> 

Step	Description																		
5.	<p>Navigate to <b>Configuration &gt; Infrastructure &gt; SLD Data Supplier Configuration</b> and execute <b>Collect and Send Data</b>.</p> <div data-bbox="354 465 1391 694"> <p><b>Last Send Info</b></p> <p>Target URL: <input type="text" value="--- undefined ---"/></p> <p>Send Time: 17.02.2017 12:27:42 UTC</p> <p>Automatic Send: <input type="text" value="true"/></p> <p>Success: <input type="text" value="false"/></p> </div> <div data-bbox="354 705 1391 846"> <p><b>Next Send Info</b></p> <p>Next Automatic Send Time: 18.02.2017 00:27:42 UTC</p> <p><input type="button" value="Collect and Send Data"/></p> </div> <div data-bbox="354 878 1391 1106"> <p><b>Last Send Info</b></p> <p>Target URL: <input type="text" value="https://solman:50201/sld/ds"/></p> <p>Send Time: 17.02.2017 15:55:44 UTC</p> <p>Automatic Send: <input type="text" value="false"/></p> <p>Success: <input type="text" value="true"/></p> </div> <div data-bbox="354 1120 1391 1258"> <p><b>Next Send Info</b></p> <p>Next Automatic Send Time: 18.02.2017 00:27:42 UTC</p> <p><input type="button" value="Collect and Send Data"/></p> </div>																		
6.	<p>Open the SLD and go to <i>Technical Systems</i>. Verify that the SAP Solution Manager Systems (and Diagnostics Agent) are shown.</p> <div data-bbox="354 1377 869 1624"> <p>Technical System Type: <input type="text" value="All Application Systems (2)"/></p> <p><input type="button" value="New Technical System..."/> <input type="button" value="Remove"/> <input type="button" value="Export"/> <input type="button" value="Refresh"/></p> <table border="1"> <thead> <tr> <th>Name</th> <th>Host</th> </tr> </thead> <tbody> <tr> <td>ASM on solman</td> <td>solman</td> </tr> <tr> <td>JSM on solman</td> <td>solman</td> </tr> </tbody> </table> </div> <div data-bbox="885 1377 1391 1668"> <p>Technical System Type: <input type="text" value="Other (...)"/></p> <p><input type="button" value="New Technical System..."/> <input type="button" value="Remove"/> <input type="button" value="Export"/> <input type="button" value="Refresh"/></p> <table border="1"> <thead> <tr> <th>Name</th> <th>Host</th> </tr> </thead> <tbody> <tr> <td>Control Instance 02 of JSM ...</td> <td>solman</td> </tr> <tr> <td>Control Instance 03 of JSM ...</td> <td>solman</td> </tr> <tr> <td>Diagnostics Agent instance</td> <td>solman</td> </tr> <tr> <td>sapgw00 on solman</td> <td></td> </tr> <tr> <td>SLD solman on JSM on solman</td> <td></td> </tr> </tbody> </table> </div>	Name	Host	ASM on solman	solman	JSM on solman	solman	Name	Host	Control Instance 02 of JSM ...	solman	Control Instance 03 of JSM ...	solman	Diagnostics Agent instance	solman	sapgw00 on solman		SLD solman on JSM on solman	
Name	Host																		
ASM on solman	solman																		
JSM on solman	solman																		
Name	Host																		
Control Instance 02 of JSM ...	solman																		
Control Instance 03 of JSM ...	solman																		
Diagnostics Agent instance	solman																		
sapgw00 on solman																			
SLD solman on JSM on solman																			

## 5.6 Validate RFC connection to SAPNet (SAP OSS)

Step	Description
1.	To validate the RFC connection, see SAP Note <a href="#">2000132</a> - Configuring RFC connections to the SAPNet R/3 front end (OSS) correctly.
2.	Open transaction SM59.
3.	Open ABAP connections.
4.	Check that the following exist, according to the above SAP Note: <ul style="list-style-type: none"><li>• SAP-OSS</li><li>• SAP-OSS-LIST-001 and</li><li>• SAPOSS</li></ul>
5.	Create and configure the connections, if they do not exist.
6.	Make a connection test to validate the connection.

### 5.6.1 Default Configuration of SAP-OSS

#### Example

Technical Settings	Load Balancing:	YES
	Target System:	OSS
	Msg. Server:	/H/147.204.2.5/S/sapdp99/H/oss001
	Group:	1_PUBLIC
	Save as:	Host
Logon & Security	Language:	EN
	Client:	001
	User:	<S-User>
	Password:	<S-User-PW>
Special Options	Keep-Alive Timeout:	Timeout Inactive

## 5.6.2 Default Configuration of SAP-OSS-LIST-001

### Example

Technical Settings	Load Balancing:	YES
	Target System:	OSS
	Msg. Server:	/H/147.204.2.5/S/sapdp99/H/oss001
	Group:	1_PUBLIC
	Save as:	Host
Logon & Security	Language:	EN
	Client:	001
	User:	<S-User>
	Password:	<S-User-PW>
Special Options	Keep-Alive Timeout:	Timeout Inactive

## 5.6.3 Default Configuration of SAPOSS

### Example

Technical Settings	Load Balancing:	YES
	Target System:	OSS
	Msg. Server:	/H/147.204.2.5/S/sapdp99/H/oss001
	Group:	EWA
	Save as:	Host
Logon & Security	Language:	EN
	Client:	001
	User:	OSS_RFC
	Password:	CPIC

Special Options    Keep-Alive Timeout:    Timeout Inactive

## 5.7 Configuring Transport Management System

To configure the Transport Management System (TMS) you need to follow the steps mentioned in the guide [Configuring the Transport Domain Controller](#).

## 5.8 Configuring Profile Parameters

A full description of the parameter configuration can be found in SAP Note [2048519](#) - Profile parameters for SAP Solution Manager 7.2. The parameters are checked when configuring the SAP Solution Manager in the following chapters of this document. An example of this is shown in the following picture. The recommended values for each checked parameter can be viewed after execution in the log under *Details*. Configuring these parameters beforehand means that you do not need to repeatedly change parameters and restart the systems.

**Log with 23 Messages for Activity Check ABAP System Profile Parameters**

Type	Message	Details	URL	Note ...
	Profile parameter login/create_sso2_ticket has incorrect recommended value	<a href="#">Show</a>		<a href="#">Search</a>
	Profile parameter login/accept_sso2_ticket has correct recommended value	<a href="#">Show</a>		

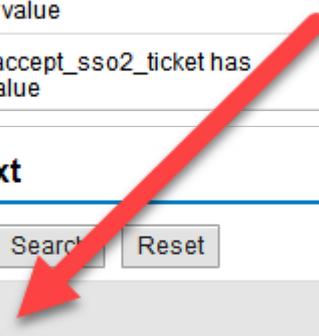
  

**Display Message Context**

Value:  [Search](#) [Reset](#)

Name	Value
 Current value	3
 Recommended value	= 2

[Close](#)



In a new installed system, the following parameters have to be changed and the system requires a restart afterwards:

- login/create\_sso2\_ticket=2
- rdisp/elem\_per\_queue=4000
- csi/enable=0
- rdisp/max\_wprun\_time=3600
- rsdb/cua/buffersize=10000
- zcsa/presentation\_buffer\_area=20000000
- sap/bufdir\_entries=10000
- zcsa/second\_language=E

In the manual activity *Adjust HTTP Log Parameter* the following parameters must be added as described in SAP Note [1252944](#):

- icm/HTTP/logging\_0 = PREFIX=/, LOGFILE=icmhttp.log, FILTER=SAPSMD, LOGFORMAT=SAPSMD2, MAXSIZEKB=10240,FILEWRAP=on, SWITCHTF=month

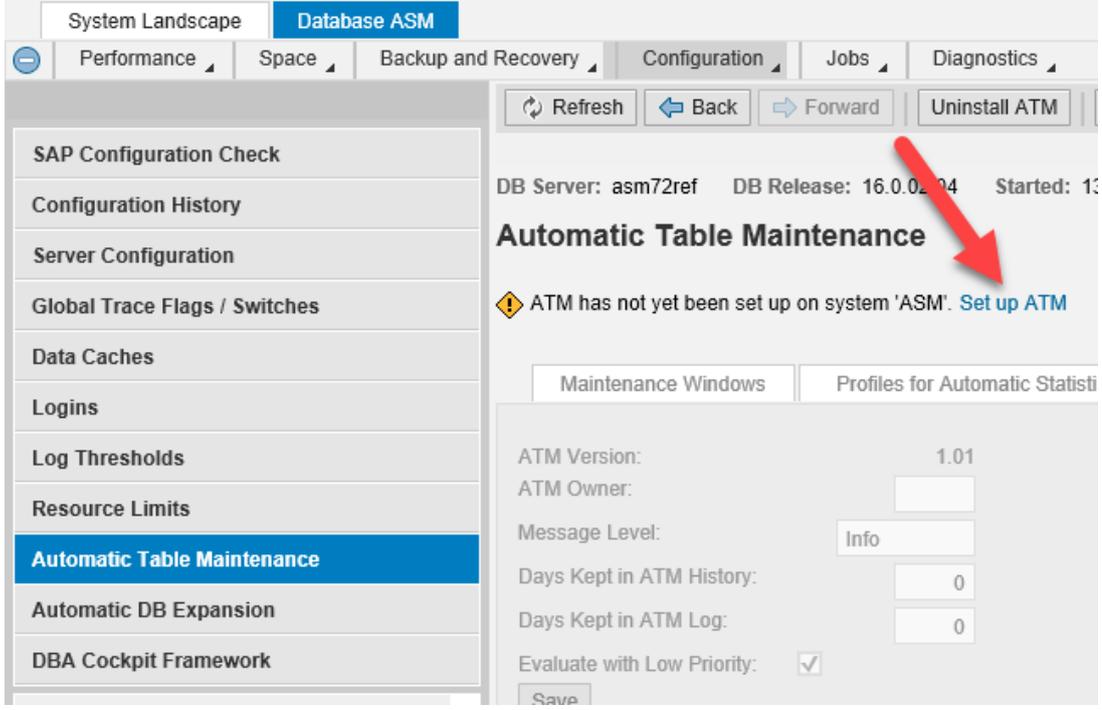
## 5.9 Setting Up Automatic Table Maintenance

Maintaining tables, indexes, and data partitions is crucial for productive database systems. Continuous insertion, update, and deletion of data induce fragmentation, bad cluster ratios, and inaccurate optimizer statistics.

This chapter shows you how to set up the default Automatic Table Maintenance (ATM) to ensure good database health. For more information, see the [Database Administration Guide: SAP Business Suite on SAP Adaptive Server Enterprise](#)

- Chapter [Automatic Table Maintenance](#)
- Chapter [Set up Automatic Table Maintenance](#).

Step	Description
1.	Start transaction DBACOCKPIT.
2.	Navigate to the ABAP system ► <a href="#">Database &lt;SID&gt;</a> ► <a href="#">Configuration</a> ► <a href="#">Automatic Table Maintenance</a> ►.

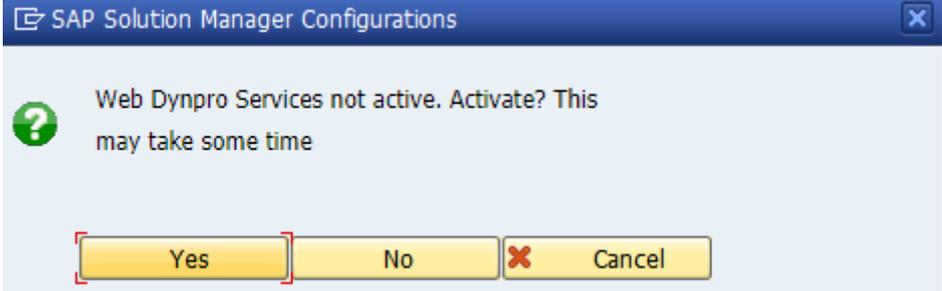
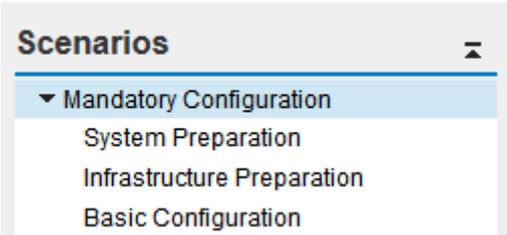
Step	Description
3.	<p>Set up ATM.</p> 
4.	Repeat steps 2 and 3 for the Java System.

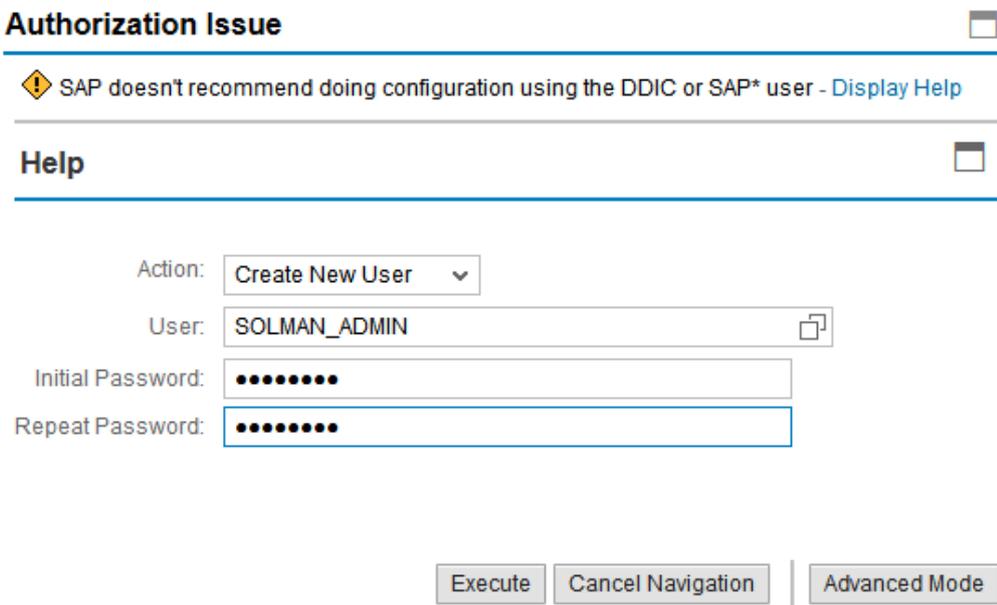
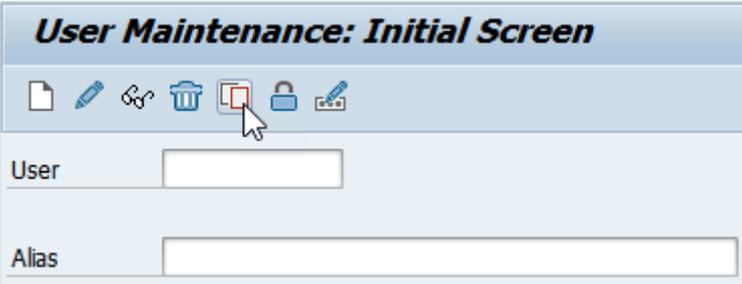
## 5.10 Setting Up SAP Solution Manager Users

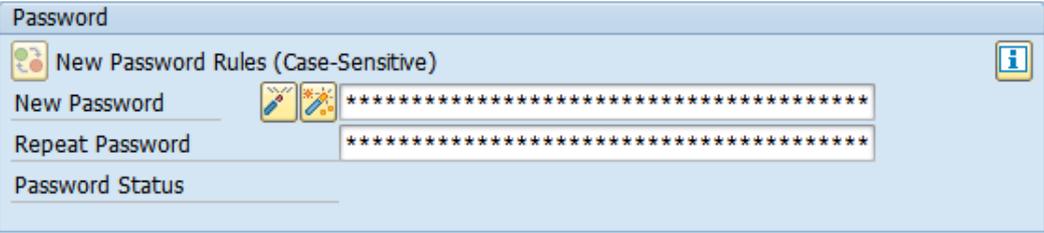
The administrator of the SAP Solution Manager system should have its own user.

This is especially true if more than one person is configuring the system. This chapter describes how to generate a generic user with all required roles and profiles, and use this user as a base to copy new administrator users.

Step	Description
1.	Log on to the SAP Solution Manager ABAP system with either user <i>DDIC</i> or <i>SAP*</i> and the master password that was specified at installation.

Step	Description
2.	<p>Start transaction SOLMAN_SETUP and confirm the activation.</p>  <p><b>i Note</b></p> <p>/sap/bc/webdynpro/sap/wd_sise_main_app. If there are any problems, try first to reach it directly by opening: This is a webdynpro application. The path for the required service is: &lt;protocol&gt;://&lt;host&gt;:&lt;port&gt;/sap/bc/webdynpro/sap/wd_sise_main_app (e.g.: https://solman.mo.sap.corp:50001/sap/bc/webdynpro/sap/wd_sise_main_app)</p>
3.	<p>Go to <b>Mandatory Configuration</b> &gt; <b>System Preparation</b>.</p> 

Step	Description
4.	<p>Create a new user with Execute.</p> 
5.	<p>Cancel Navigation after the user has been created successfully.</p>
6.	<p>Start transaction SU01 and select Copy.</p> 

Step	Description
7.	<p>Enter the generic SAP Solution Manager Administrator user into <b>From</b> and the personal user into <b>To</b> and proceed.</p> 
8.	<p>Provide an initial password for the new user.</p> 
9.	<p>Log on with the new user and provide a new password to make the user productive.</p>

## 5.11 Executing Report RTCCTOOL

The report *RTCCTOOL* contains recommendations that should be implemented in every system.

As some of these recommendations are mandatory for the configuration as *Managed System* in SAP Solution Manager 7.2, it is recommended to complete the recommended steps upfront.

Execute the report *RTCCTOOL* with transaction *SA38* and complete the described steps in the list.

Successfully implemented recommendations	
	<b>1. [Note 69455] Addon ST-A/PI 01S_731</b> Description "Servicetools for Applications Plug-In" for NetWeaver as of 7.31 [your current level is lower than latest. Update is recommended] Implementation From <a href="http://support.sap.com/supporttools-&gt;ST-A/PI-&gt;Installations&amp;Upgrades">http://support.sap.com/supporttools-&gt;ST-A/PI-&gt;Installations&amp;Upgrades</a> download the installation ST-A/PI 01S_731. Upload to tx SAINT and install as per note 69455 . Then restart report RTCCTOOL and choose 'List->Refresh from SAPNet'.
	<b>2. [Note 69455] ST-A/PI 01S_731 Support Package 1</b> Description Addon supportpackage level 1 for ST-A/PI 01S_731 for NetWeaver as of 7.31 [your current level is lower than latest. Update is recommended] Implementation From <a href="http://support.sap.com/supporttools-&gt;ST-A/PI-&gt;Support packages-&gt; ST-A/PI 01S_731">http://support.sap.com/supporttools-&gt;ST-A/PI-&gt;Support packages-&gt; ST-A/PI 01S_731</a> download patches up to SAPKITAB9R. For basis >=700 use the Maintenance optimizer to release the download. Upload from frontend to transaction SPAM, define a queue and import.
	<b>3. [Note 69455] Proc. after addon impl.</b> Description Procedure after implementation of Addon ST-A/PI [the addon contained specific analysis coding that is uncommented (*) if certain s/w components exist or supportpackage levels are met] Implementation In the Service preparation check, click on the button 'Addons&Upgr.' above and then press the button 'Procedure after addon implementation'. Afterwards click on the 'Refresh Status' button above.
	<b>4. [Note 69455] Switch on digital content verification</b> Description Switch on Digital content verification for recommendations of SAP Service prep. check (RTCCTOOL). Implementation From the menu choose "Goto->Digital signatures" and press "Activate".
	<b>5. [Note 539977] Addon ST-PI 740</b> Description Addon ST-PI 740 [Tools for services for SAP basis as of 740] Implementation From <a href="http://support.sap.com/supporttools -&gt; ST-PI -&gt; Installations&amp;Upgrades -&gt; download the addon file ST-PI 740">http://support.sap.com/supporttools -&gt; ST-PI -&gt; Installations&amp;Upgrades -&gt; download the addon file ST-PI 740</a> . Upload the file to transaction SAINT 'Installation package > Load packages > From Frontend' and install as per note 1228898 . Then restart report RTCCTOOL from SE38.
	<b>6. [Note 539977] ST-PI 740 Support Package 4</b> Description Addon supportpackage level 4 for ST-PI 740 for basis as of 7.40 [your current level is lower than recommended. Update recommended] Implementation Open <a href="http://support.sap.com/supporttools-&gt;ST-PI Supportpck.-&gt; ST-PI 740">http://support.sap.com/supporttools-&gt;ST-PI Supportpck.-&gt; ST-PI 740</a> . Add patch SAPK-74004INSTPI (and predecessors if not yet implemented) t download basket. Release basket via Maintenance optimizer. Upload from frontend into transaction SPAM, define a queue and import the queue.
	<b>7. [Note 12103] Collectors and TCOLL</b> Description Planning table TCOLL for SAP workload collectors 700-702 and 731+ (SAP note 966309 ) plus check for master job SAP_COLLECTOR_FOR_PERFMONITOR (program RSCOLL00). Implementation Press the lights icon for details. 1) Add missing entries to table TCOLL using ST03N > Expert Mode > Collector & Performance DB > Performance Monitor Collector > Execution Times. [Do NOT add RSCOLL00 itself] 2) In SM37 program RSCOLL00 must be scheduled hourly background job.
	<b>8. Note 1882376 - DBA Cockpit Corr. for ASE</b> Description Collective corrections for DBA Cockpit for SAP ASE on SAP Basis 7.40 Implementation Implement SAP note 1882376 using SNOTE.

The following recommendations help you to complete the list:

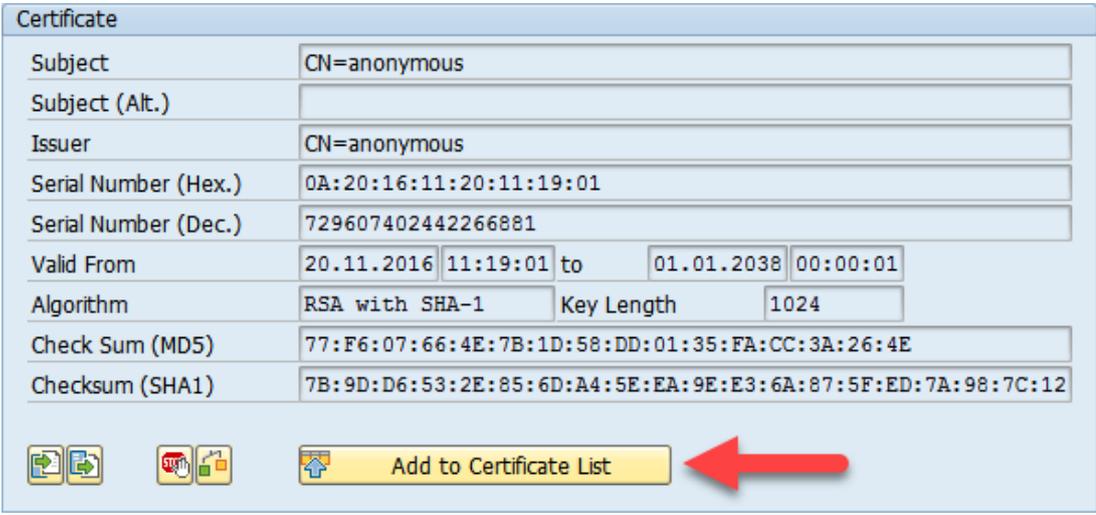
- Use client *000* to use *SAINT* and *SPAM*.
- Use transactions *SAINT* and *SPAM* with user *DDIC* or *SAP\**. Otherwise see SAP Note [2348183](#) - *SPAM / SAINT : Authorization for required authorizations*.
- You can upload *SAINT/SPAM* updates directly from your work station by selecting **Installation/Support Package > Load Packages > From Front End >**

## 5.12 Configuring the Anonymous SSL Client PSE

To properly configure the SSL Store, the SSL Client (Anonymous) PSE must be available.

This can be checked by transaction *STRUST*. If the SSL Client (Anonymous) PSE is not shown in the list of available PSEs, it needs to be created.

In this case, use the following steps:

Step	Description
1.	Start transaction <code>STRUST</code> .
2.	Open the context menu of entry <code>SSL client SSL Client (Anonymous)</code> and choose <code>Create</code> .
3.	Keep the default settings and choose <code>Continue</code> .
4.	<p>The anonymous certificate appears in the <code>Own Certificate</code> section.</p> <p>Double click the entry <code>CN=anonymous</code> and choose <code>Add to Certificate List</code>.</p> 
5.	Save your changes and proceed.

For more details about the SSL Client (Anonymous), see [Creating the Anonymous SSL Client PSE](#).

# 6 Mandatory Configuration

Each chapter in this section refers to the guided procedure (A) with the corresponding name. Note that steps and procedures might change in future. If you encounter different steps or procedures, you can always rely on the integrated *Help* (B). All steps have an *Edit* mode and a *Display* mode. Make sure that you activate editing before working on a procedure (C). *Manual Activities* (D) have to be performed by the user. The user has to *Display* the *Documentation* (E) and perform the steps from the *Help* (B). Afterwards the *Execution Status* (F) has to be changed accordingly before continuing.

The activities are ordered from top to bottom: the first activity is at the top. *Automatic Activities* (G) have only to be started by the user. This can be done one by one by selecting the activity with *Execute Selected* or in one go with *Execute All* (H). Every interaction is documented under *Log* (I). By selecting a specific activity, only the *Log* for the selected activity is shown. Use the *Log* to resolve problems in the event of warnings or errors. Every activity has a free text field for private documentation accessible under the column *Comment* (J).

**SAP Solution Manager Configuration: Mandatory Configuration - System Preparation**

Technical System: ASM-ABAP-001 | User Name: GEISSH

**Scenarios**

- Mandatory Configuration
  - System Preparation
    - Infrastructure Preparation
    - Basic Configuration
    - Managed Systems Configuration
    - IT Infrastructure Management
    - Requirements Management
    - Project Management
    - Process Management
    - Custom Code Management
  - Test Management
  - Change Control Management
  - IT Service Management
  - Application Operations
  - Business Process Operations
  - SAP Engagement BI Data
  - Data Volume Management
  - Value Management Dashboard
- Related Links
  - Maintenance
  - Pre-Processing Solution Manager Soft...
  - Post-Processing Solution Manager So...
  - Post-Upgrade Activities
  - Solution Documentation Content Activ...
  - Service Delivery Migration
  - Custom Code Management Migration
  - Business Process Operations Migration
  - Administration
    - Configuration User Management
    - Solution Manager Administration
    - My Notification Settings
    - Scenario Maintenance
    - Service Connections
  - SAP Links
    - SCN Wiki: Setup and Configuration
    - SAP Support Portal
    - SAP Help Portal
    - SAP Notes

**Manual Activities**

Status	Updates Needed	Activity	Type	Comment	Navigation	Execution Status	Documentation
●	<input type="checkbox"/>	Check SLD Configuration on Java	Mandatory			Performed	Display
◇	<input type="checkbox"/>	Check "Post Installation" on ABAP	Mandatory		Start Transaction	Not Performed	Display
◇	<input type="checkbox"/>	Initialize or Update SU24 Authorizations	Mandatory		Start Transaction	Not Performed	Display
◇	<input type="checkbox"/>	Check Web Service Configuration	Mandatory		Start Web Dynpro	Not Performed	Display
◇	<input type="checkbox"/>	Check Secure Web Browser Comm. (HTTPS)	Mandatory		Start Transaction	Not Performed	Display
◇	<input type="checkbox"/>	Check Transaction SPAU	Mandatory		Start Transaction	Not Performed	Display

**Automatic Activities**

Status	Updates Needed	Activity	Type	Comment	Navigation	Execution Status	Documentation
◇	<input type="checkbox"/>	Check TMS Configuration	Mandatory		Start Transaction	Execute	Display
◇	<input type="checkbox"/>	Check License Key	Mandatory		Start Transaction	Execute	Display
◇	<input type="checkbox"/>	Check ABAP System Profile Parameters	Mandatory		Start Transaction	Execute	Display
◇	<input type="checkbox"/>	Check ABAP Software Prerequisites	Mandatory		Open URL	Execute	Display

**Log with 2 Messages for Activity Check SLD Configuration on Java**

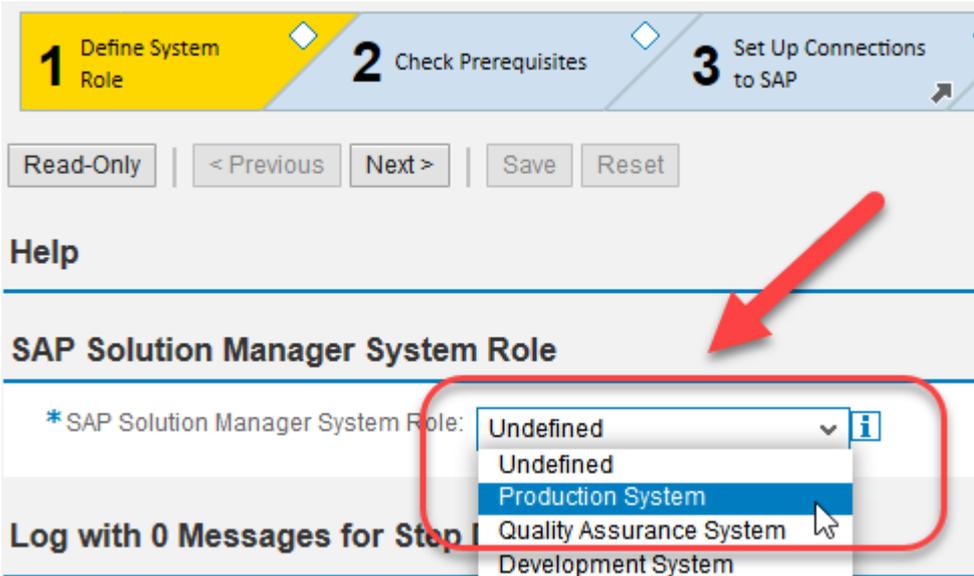
Type	Message	Date	Time	Technica...	User	Long...	Details	URL	Note ...
⚠	asd	20.02.2...	12:59:37	ASM-ABA...	GEISSH		Show	Show	
ℹ	Execution Status is set to Performed for Technical System: ASM-ABAP-001		12:57:44	ASM-ABA...	GEISSH				

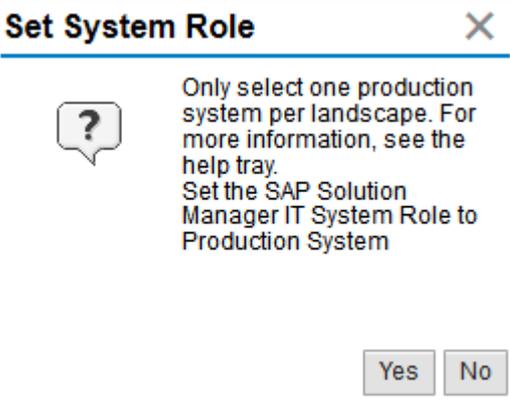
## 6.1 System Preparation

Configure prerequisites for performing SAP Solution Manager Configuration scenarios.

### 6.1.1 Defining System Role

Define the role and purpose of the SAP Solution Manager system in terms of IT administration.

Step	Description
1.	Start transaction SOLMAN_SETUP and go to ► <i>Mandatory Configuration</i> ► <i>System Preparation</i> ►.
2.	Open the dropdown list and choose the <i>SAP Solution Manager System Role</i> . 

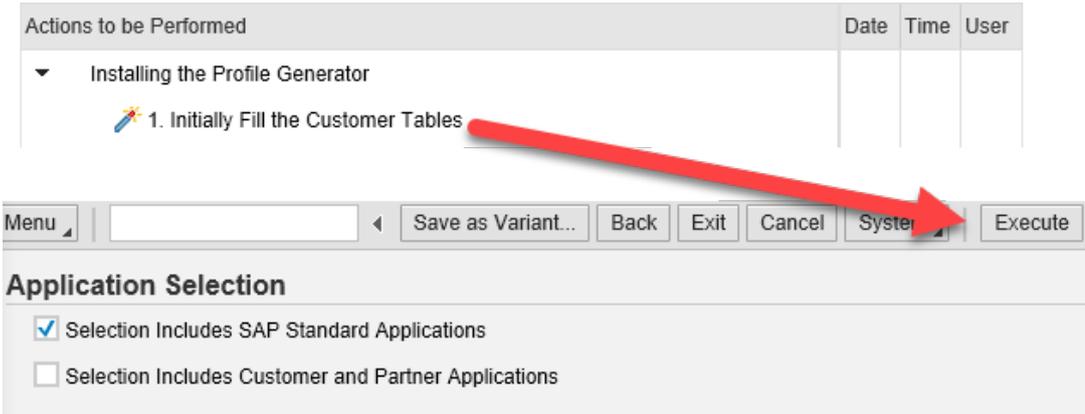
Step	Description
3.	<p>Confirm in the popup that only one <i>Production System</i> exists.</p> 
4.	Continue to <i>Check Prerequisites</i> to go to the next procedure.

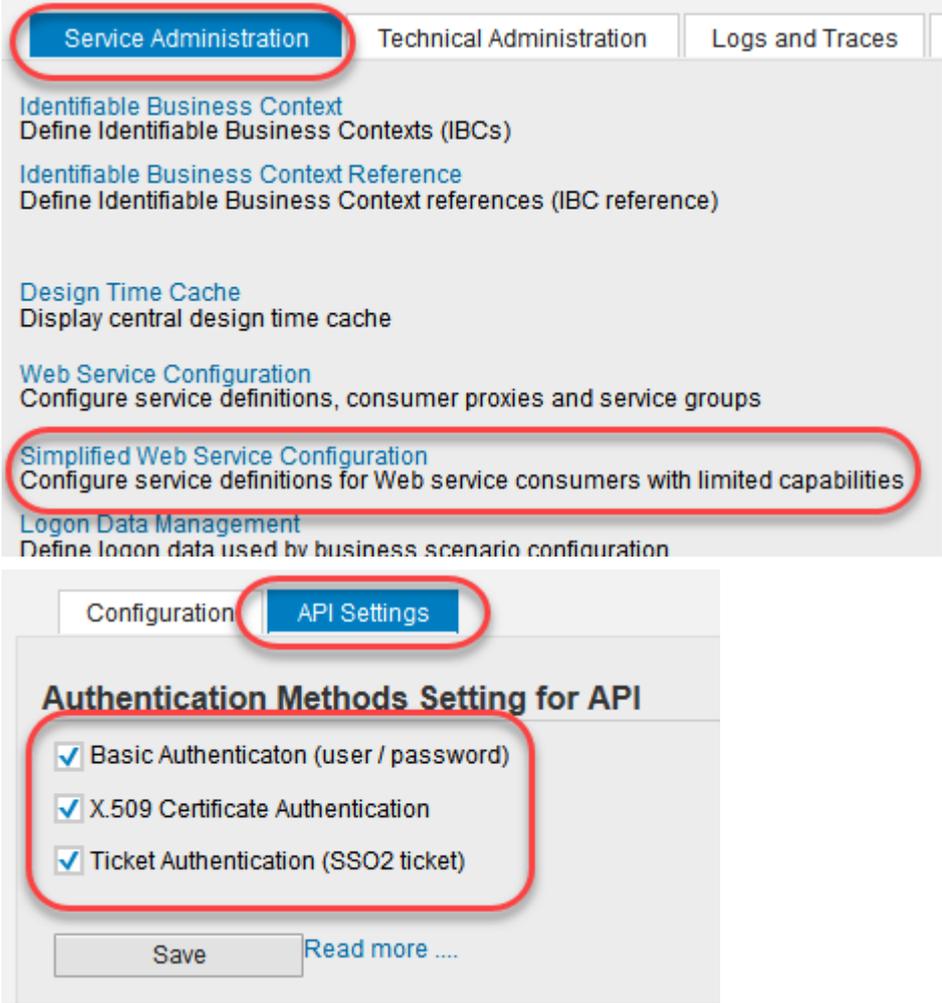
## 6.1.2 Checking Prerequisites

Check the aspects of your SAP Solution Manager installation that are relevant for configuration.

Therefore, different manual activities must be performed:

Step	Description
1.	<p>Check SLD Configuration Java</p> <p>This activity was already performed in the chapter Recommended Post-Installation Steps – <a href="#">Configuring System Landscape Directory (SLD)</a> [page 40].</p> <p>If the steps were not yet executed:</p> <ul style="list-style-type: none"> <li>• Open the <i>Documentation</i> by choosing <i>Display</i>.</li> <li>• Follow the steps described in <i>Documentation</i>.</li> <li>• Set the execution status to <i>Performed</i> and proceed.</li> </ul>

Step	Description																				
2.	<p>Check <i>Post Installation</i> on ABAP</p> <ul style="list-style-type: none"> <li>Follow the steps described in <i>Documentation</i> until <i>Create SAP DB Connection (DBCO)</i>.</li> <li>Enter the following values and continue till the end to set the <i>Execution Status</i> to <i>Performed</i>.</li> </ul> <table border="0"> <tr> <td>DB Connection</td> <td>+++SYBADM</td> </tr> <tr> <td>DBMS</td> <td>SYB</td> </tr> <tr> <td>User</td> <td>sapsa</td> </tr> <tr> <td>DB password</td> <td>&lt;sapsa_password&gt;</td> </tr> <tr> <td>Conn. info</td> <td>SYBASE_DBNAME=&lt;SID&gt; SYBASE_DBOWNER=SAPSR3</td> </tr> <tr> <td></td> <td>SYBASE_SERVER=&lt;db_hostname&gt;</td> </tr> <tr> <td></td> <td>SYBASE_PORT=&lt;ase_dataserver_port&gt; (usually 4901)</td> </tr> <tr> <td>Permanent</td> <td>NO (leave empty)</td> </tr> <tr> <td>Connection Limit</td> <td>0 (zero)</td> </tr> <tr> <td>Optimum Conns</td> <td>0 (zero)</td> </tr> </table>	DB Connection	+++SYBADM	DBMS	SYB	User	sapsa	DB password	<sapsa_password>	Conn. info	SYBASE_DBNAME=<SID> SYBASE_DBOWNER=SAPSR3		SYBASE_SERVER=<db_hostname>		SYBASE_PORT=<ase_dataserver_port> (usually 4901)	Permanent	NO (leave empty)	Connection Limit	0 (zero)	Optimum Conns	0 (zero)
DB Connection	+++SYBADM																				
DBMS	SYB																				
User	sapsa																				
DB password	<sapsa_password>																				
Conn. info	SYBASE_DBNAME=<SID> SYBASE_DBOWNER=SAPSR3																				
	SYBASE_SERVER=<db_hostname>																				
	SYBASE_PORT=<ase_dataserver_port> (usually 4901)																				
Permanent	NO (leave empty)																				
Connection Limit	0 (zero)																				
Optimum Conns	0 (zero)																				
3.	<p>Initialize or Update SU24 Authorizations</p> <ul style="list-style-type: none"> <li>Start transaction SU25.</li> <li>Choose <i>Initially Fill the Customer Tables</i> and <i>Execute</i>.</li> </ul> 																				

Step	Description
4.	<p>Check Web Service Configuration</p> <ul style="list-style-type: none"> <li>• Start transaction SOAMANAGER.</li> <li>• Navigate to <b>Administration</b> &gt; <b>Simplified Web Service Configuration</b> &gt; <b>API Settings</b>.</li> <li>• Select the checkboxes for: <ul style="list-style-type: none"> <li>◦ <i>Basic Authentication</i></li> <li>◦ <i>X.509 Certificate Authentication</i></li> <li>◦ and <i>Ticket Authentication</i></li> </ul> </li> <li>• Choose <b>Save</b></li> </ul> 
5.	<p>Check Secure Web Browser Comm. (HTTPS)</p> <p>Your browser URL begins with <code>https://...</code> because you only set up HTTPS in this guide's installation procedure. For more information, press <b>Display</b> to see advanced options.</p>

Step	Description																																								
6.	<p>Check Transaction SPAU</p> <p>This activity is only mandatory for an upgrade. You can set the action to <code>Performed</code> without further actions in new SAP Solution Manager 7.2 installations.</p>																																								
7.	<p>Press <code>Execute All</code> to perform all <i>Automatic Activities</i>.</p> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>Automatic Activities</b></p> <p>Show All Logs <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">Execute All</span> Execute Selected Refresh</p> <table border="1"> <thead> <tr> <th>Status</th> <th>Updates Needed</th> <th>Activity</th> <th>Type</th> <th>Comment</th> <th>Navigation</th> <th>Execution Status</th> <th>Documentation</th> </tr> </thead> <tbody> <tr> <td>◇</td> <td><input type="checkbox"/></td> <td>Check TMS Configuration</td> <td>Mandatory</td> <td>◇</td> <td><a href="#">Start Transaction</a></td> <td>Execute ▾</td> <td><a href="#">Display</a></td> </tr> <tr> <td>◇</td> <td><input type="checkbox"/></td> <td>Check License Key</td> <td>Mandatory</td> <td>◇</td> <td><a href="#">Start Transaction</a></td> <td>Execute ▾</td> <td><a href="#">Display</a></td> </tr> <tr> <td>◇</td> <td><input type="checkbox"/></td> <td>Check ABAP System Profile Parameters</td> <td>Mandatory</td> <td>◇</td> <td><a href="#">Start Transaction</a></td> <td>Execute ▾</td> <td><a href="#">Display</a></td> </tr> <tr> <td>◇</td> <td><input type="checkbox"/></td> <td>Check ABAP Software Prerequisites</td> <td>Mandatory</td> <td>◇</td> <td><a href="#">Open URL</a></td> <td>Execute ▾</td> <td><a href="#">Display</a></td> </tr> </tbody> </table> </div>	Status	Updates Needed	Activity	Type	Comment	Navigation	Execution Status	Documentation	◇	<input type="checkbox"/>	Check TMS Configuration	Mandatory	◇	<a href="#">Start Transaction</a>	Execute ▾	<a href="#">Display</a>	◇	<input type="checkbox"/>	Check License Key	Mandatory	◇	<a href="#">Start Transaction</a>	Execute ▾	<a href="#">Display</a>	◇	<input type="checkbox"/>	Check ABAP System Profile Parameters	Mandatory	◇	<a href="#">Start Transaction</a>	Execute ▾	<a href="#">Display</a>	◇	<input type="checkbox"/>	Check ABAP Software Prerequisites	Mandatory	◇	<a href="#">Open URL</a>	Execute ▾	<a href="#">Display</a>
Status	Updates Needed	Activity	Type	Comment	Navigation	Execution Status	Documentation																																		
◇	<input type="checkbox"/>	Check TMS Configuration	Mandatory	◇	<a href="#">Start Transaction</a>	Execute ▾	<a href="#">Display</a>																																		
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◇	<input type="checkbox"/>	Check ABAP System Profile Parameters	Mandatory	◇	<a href="#">Start Transaction</a>	Execute ▾	<a href="#">Display</a>																																		
◇	<input type="checkbox"/>	Check ABAP Software Prerequisites	Mandatory	◇	<a href="#">Open URL</a>	Execute ▾	<a href="#">Display</a>																																		

## 6.1.3 Setting Up Connections to SAP

### 6.1.3.1 RFC Connectivity

In this step, you ensure that SAP Solution Manager can connect to SAP Service Marketplace.

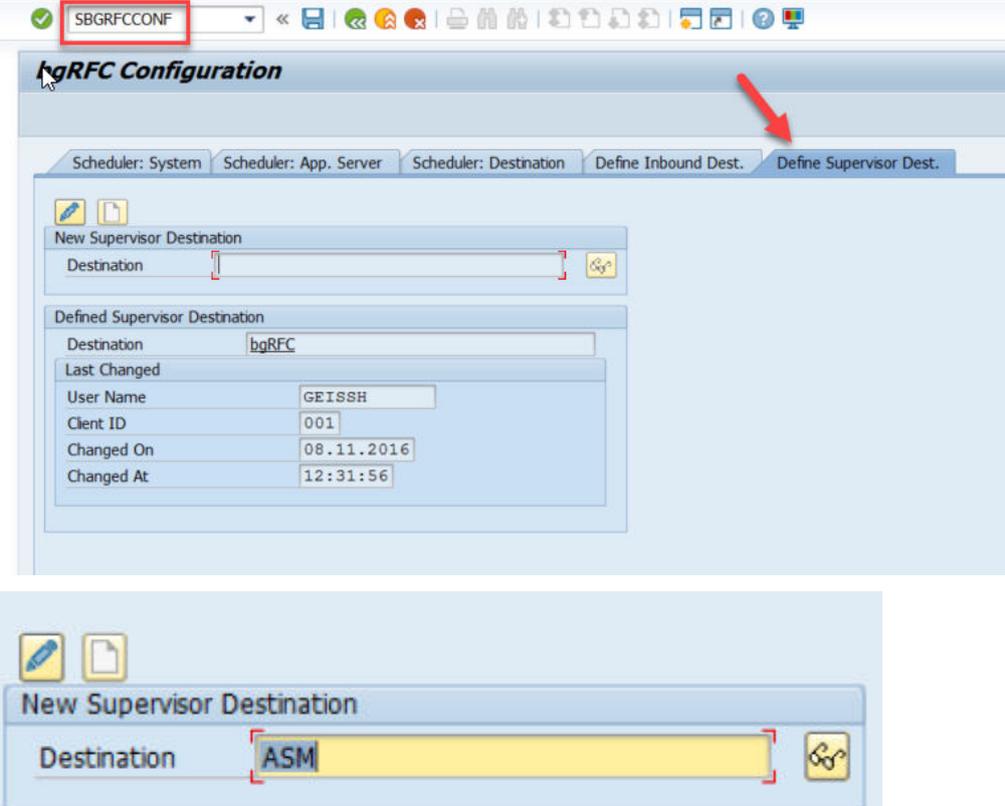
Step	Description
1.	<p>Check Service Connection</p> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>RFC Destination Template for SAP Support Portal (SAPOSS)</b></p> <p>Target System: <input type="text" value="OSS"/> <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">Status: <span style="color: green;">●</span></span></p> <p>Msg. Server: <input type="text" value="/H/147.204.2.5/S/sap/"/></p> <p>Group: <input type="text" value="EWA"/></p> <p>Load Balancing: <input type="text" value="Yes"/></p> <p>User: <input type="text" value="S001577721"/> <span style="color: blue;">Maintain RFC Destination for SAP Support Portal (SAPOSS)</span></p> <p><input type="button" value="Check Service Connection"/> <span style="color: red; font-size: 2em;">←</span></p> </div>

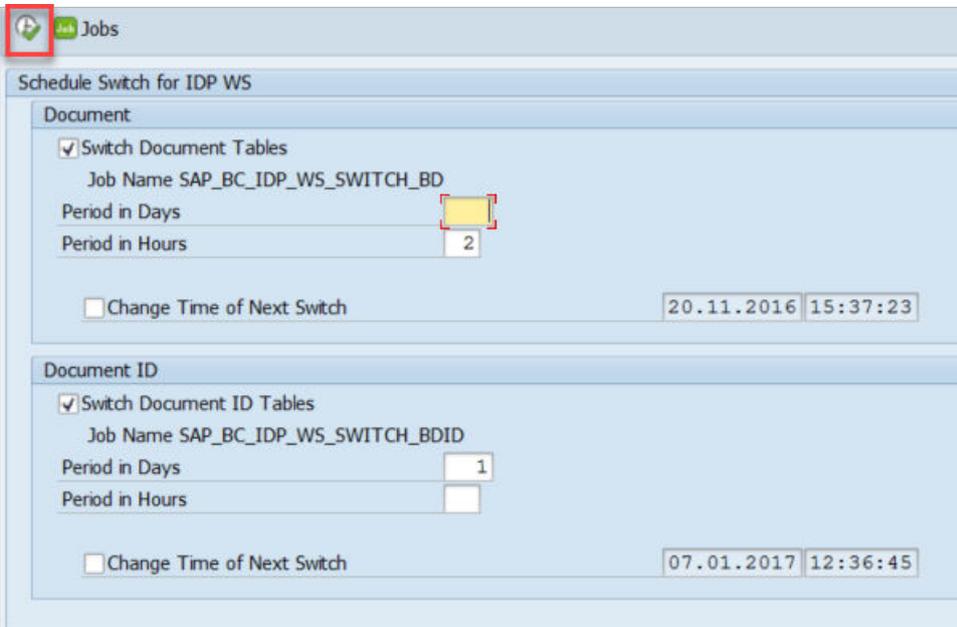
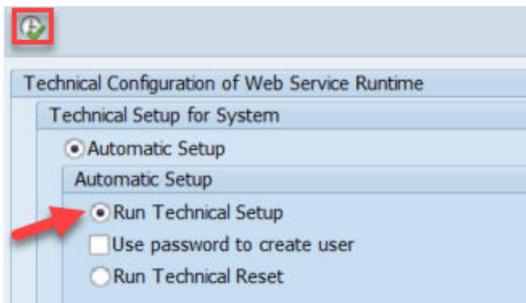
Step	Description									
2.	<p>Enter your S-user information and select <b>Maintain Connections</b>.</p> <div style="border: 1px solid #ccc; padding: 10px;"> <p><b>User Logon Information</b></p> <hr/> <p>* S-User for SAP Backend: <input type="text" value="S"/></p> <p>* Password: <input type="password" value="●●●●●●"/></p> <p>* S-User for Communication: <input type="text" value="S"/></p> <p><b>Maintain Connections</b></p> </div>									
3.	<p>Confirm that the <i>Status</i> is green.</p> <div style="border: 1px solid #ccc; padding: 10px;"> <p><b>RFC Destinations for SAP Support Backbone</b></p> <hr/> <div style="text-align: right;"><a href="#">Refresh</a></div> <table border="1"> <thead> <tr> <th>Status</th> <th>RFC Destination Name</th> <th>Logon Group</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">●</td> <td>SAP-OSS</td> <td>1_PUBLIC</td> </tr> <tr> <td style="text-align: center;">●</td> <td>SAP-OSS-LIST-001</td> <td>1_PUBLIC</td> </tr> </tbody> </table> </div>	Status	RFC Destination Name	Logon Group	●	SAP-OSS	1_PUBLIC	●	SAP-OSS-LIST-001	1_PUBLIC
Status	RFC Destination Name	Logon Group								
●	SAP-OSS	1_PUBLIC								
●	SAP-OSS-LIST-001	1_PUBLIC								

### 6.1.3.2 Support Hub Connectivity

The Support Hub Connectivity requires different manual activities.

Once all manual operations are completed, the execution status is set to *Performed*.

Step	Description
1.	<p>Configure SOAP Runtime</p> <ul style="list-style-type: none"> <li>Define a supervisor destination by using the transaction SBGRFCCONF.</li> </ul>  <ul style="list-style-type: none"> <li>Activate required ICF nodes using transaction SRT_ADMIN.</li> </ul>  <ul style="list-style-type: none"> <li>Configure the IDP service using the transaction WSIDPADMIN.</li> </ul>

Step	Description
	 <ul style="list-style-type: none"> <li>• Create and register the inbound client 000 using the transaction SRT_ADMIN.</li> </ul> 
2.	<p>Register your S-user in SAP's PI System:</p> <ul style="list-style-type: none"> <li>• Create a new S-user / new technical user</li> <li>• Activate the new S-user</li> </ul> <p>For a detailed description of S-user creation, see section <a href="#">S-User [page 7]</a> in chapter <i>Prerequisites</i>.</p>

Step	Description
3.	<p>Specify configuration parameters.</p> <div data-bbox="343 414 1029 996" style="border: 1px solid #ccc; padding: 10px;"> <h3 style="text-align: center; margin: 0;">Consumer Proxy Settings</h3> <div style="margin-bottom: 10px;"> <input type="button" value="Save"/> </div> <ul style="list-style-type: none"> <li>* Computer Name of Access URL: <input type="text" value="servicepoint.sap.com"/></li> <li>* Port Number of Access URL: <input type="text" value="443"/></li> <li>* URL Protocol Information: <input type="text" value="https"/></li> <li style="padding-left: 20px;">Name of Proxy Host: <input type="text"/></li> <li style="padding-left: 20px;">Port Number of Proxy Host: <input type="text"/></li> <li>User Name for Proxy Access: <input type="text"/></li> <li style="padding-left: 20px;">Password of Proxy User: <input type="text"/></li> <li>* Technical User: <input type="text" value="S"/></li> <li>* Technical User Password: <input type="password" value="....."/></li> <li>SSL Client Store Password: <input type="text"/></li> </ul> </div>
4.	Press <code>Execute All</code> to perform all <i>Automatic Activities</i> .

# 6.1.4 Applying Recent Corrections

Step	Description
1.	<p>Corrections for SAP Note</p> <hr/> <p><b>SAP Note Properties</b></p> <p><input type="button" value="Refresh"/></p> <p>SAP Note: <b>0001668882</b> Note Assistant: Important notes for SAP_BASIS 730,731,740,75            Last Downloaded Version in SAP Solution Manager: 20            Implementation Status: <b>Completely implemented</b>            Processor: <b>KAULPRI</b>            Processing Status: <b>In Process</b></p> <hr/> <p><b>Check for New Version</b></p> <p><input type="button" value="Check SAP Note Version Now"/> </p> <hr/> <p><b>Download</b></p> <p>Download Last Version of SAP Note: <input type="button" value="Start Download"/> </p> <p>Use this drop down list if you have manually downloaded the Note:            Status: <input type="button" value="Not Performed"/></p> <hr/> <p><b>Implement</b></p> <p>Implement the central correction SAP Note manually using the SAP Note Assistant. <input type="button" value="Start SAP Note Assistant"/> </p> <p>Status: <input type="button" value="Performed"/></p>

Step	Description																
2.	<p>Essential ABAP Corrections</p> <div data-bbox="336 416 1394 1346"> <h3>SAP Note Properties</h3> <p><input type="button" value="Refresh"/></p> <p>SAP Note: <b>0002138636</b> SAP Solution Manager 7.2 SP02 - basic functions            Last Downloaded Version in SAP Solution Manager: 10            Implementation Status: <b>Completely implemented</b>            Processor: <b>KAULPRI</b>            Processing Status: <b>In Process</b></p> <hr/> <h3>Check for New Version</h3> <p>Automatically Check for New SAP Note Version: <b>Always</b> <input type="button" value="Check SAP Note Version Now"/></p> <hr/> <h3>Download</h3> <p>Download Last Version of SAP Note: <input type="button" value="Start Download"/></p> <p>Use this drop down list if you have manually downloaded the Note:            Status: <input type="button" value="Not Performed"/></p> <hr/> <h3>Implement</h3> <p>Implement the central correction SAP Note manually using the SAP Note Assistant. <input type="button" value="Start SAP Note Assistant"/></p> <p>Status: <input type="button" value="Performed"/></p> <hr/> <h3>Perform Automatic Post-Processing</h3> <p><input type="button" value="Start Post-Processing"/></p> </div>																
3.	<p>Java Corrections</p> <p>Open SAP Note <a href="#">1595736</a> and the SAP Note that corresponds to your support package. Perform the necessary steps and set the execution status to <i>Performed</i> afterwards.</p> <div data-bbox="336 1525 1394 1659"> <h3>Manual Activities</h3> <p><input type="button" value="Show All Logs"/></p> <table border="1"> <thead> <tr> <th>Status</th> <th>Updates Needed</th> <th>Activity</th> <th>Type</th> <th>Comment</th> <th>Navigation</th> <th>Execution Status</th> <th>Documentation</th> </tr> </thead> <tbody> <tr> <td>●</td> <td><input type="checkbox"/></td> <td>Implement Java Patches</td> <td>Mandatory</td> <td></td> <td></td> <td>Performed</td> <td><a href="#">Display</a></td> </tr> </tbody> </table> </div>	Status	Updates Needed	Activity	Type	Comment	Navigation	Execution Status	Documentation	●	<input type="checkbox"/>	Implement Java Patches	Mandatory			Performed	<a href="#">Display</a>
Status	Updates Needed	Activity	Type	Comment	Navigation	Execution Status	Documentation										
●	<input type="checkbox"/>	Implement Java Patches	Mandatory			Performed	<a href="#">Display</a>										

Step	Description																																																																								
4.	Maintain Technical Users  <b>Users</b> <div style="border: 1px solid #ccc; padding: 5px;"> <span>Create all Users</span> <span>Advanced Mode</span> <span style="float: right;">Refresh</span> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Status</th> <th>Update Nee...</th> <th>User Name</th> <th>Use Case ID</th> <th>User Type</th> <th>System</th> <th>Last Refres...</th> <th>Documentation</th> <th>Login</th> </tr> </thead> <tbody> <tr> <td><span style="color: green;">●</span></td> <td><input type="checkbox"/></td> <td>SM_INTERN_WS</td> <td>SM_INTERN_WS</td> <td>System</td> <td>ASM-001</td> <td>15.11.201...</td> <td><a href="#">Display</a></td> <td><input type="button" value="Test"/></td> </tr> <tr> <td><span style="color: green;">●</span></td> <td><input type="checkbox"/></td> <td>SM_EXTERN_WS</td> <td>SM_EXTERN_WS</td> <td>System</td> <td>ASM-001</td> <td>15.11.201...</td> <td><a href="#">Display</a></td> <td><input type="button" value="Test"/></td> </tr> <tr> <td><span style="color: green;">●</span></td> <td><input type="checkbox"/></td> <td>SOLMAN_BTC</td> <td>SOLMAN_BTC</td> <td>System</td> <td>ASM-001</td> <td>15.11.201...</td> <td><a href="#">Display</a></td> <td><input type="button" value="Test"/></td> </tr> <tr> <td><span style="color: green;">●</span></td> <td><input type="checkbox"/></td> <td>SMD_RFC</td> <td>SMD_RFC</td> <td>System</td> <td>ASM-001</td> <td>15.11.201...</td> <td><a href="#">Display</a></td> <td><input type="button" value="Test"/></td> </tr> <tr> <td><span style="color: green;">●</span></td> <td><input type="checkbox"/></td> <td>SM_EFWK</td> <td>SM_EFWK</td> <td>System</td> <td>ASM-001</td> <td>15.11.201...</td> <td><a href="#">Display</a></td> <td><input type="button" value="Test"/></td> </tr> <tr> <td><span style="color: green;">●</span></td> <td><input type="checkbox"/></td> <td>SM_AMSC</td> <td>SM_AMSC</td> <td>System</td> <td>ASM-001</td> <td>15.11.201...</td> <td><a href="#">Display</a></td> <td><input type="button" value="Test"/></td> </tr> <tr> <td><span style="color: green;">●</span></td> <td><input type="checkbox"/></td> <td>SM_TECH_ADM</td> <td>SM_TECH_ADM</td> <td>System</td> <td>ASM-001</td> <td>15.11.201...</td> <td><a href="#">Display</a></td> <td><input type="button" value="Test"/></td> </tr> </tbody> </table> </div>	Status	Update Nee...	User Name	Use Case ID	User Type	System	Last Refres...	Documentation	Login	<span style="color: green;">●</span>	<input type="checkbox"/>	SM_INTERN_WS	SM_INTERN_WS	System	ASM-001	15.11.201...	<a href="#">Display</a>	<input type="button" value="Test"/>	<span style="color: green;">●</span>	<input type="checkbox"/>	SM_EXTERN_WS	SM_EXTERN_WS	System	ASM-001	15.11.201...	<a href="#">Display</a>	<input type="button" value="Test"/>	<span style="color: green;">●</span>	<input type="checkbox"/>	SOLMAN_BTC	SOLMAN_BTC	System	ASM-001	15.11.201...	<a href="#">Display</a>	<input type="button" value="Test"/>	<span style="color: green;">●</span>	<input type="checkbox"/>	SMD_RFC	SMD_RFC	System	ASM-001	15.11.201...	<a href="#">Display</a>	<input type="button" value="Test"/>	<span style="color: green;">●</span>	<input type="checkbox"/>	SM_EFWK	SM_EFWK	System	ASM-001	15.11.201...	<a href="#">Display</a>	<input type="button" value="Test"/>	<span style="color: green;">●</span>	<input type="checkbox"/>	SM_AMSC	SM_AMSC	System	ASM-001	15.11.201...	<a href="#">Display</a>	<input type="button" value="Test"/>	<span style="color: green;">●</span>	<input type="checkbox"/>	SM_TECH_ADM	SM_TECH_ADM	System	ASM-001	15.11.201...	<a href="#">Display</a>	<input type="button" value="Test"/>
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## 6.2 Infrastructure Preparation

### 6.2.1 Setting Up Landscape Management

Configure the SAP Solution Manager landscape and landscape components.

#### 6.2.1.1 SLD Connections

Add a connection as source for LMDB.

If you do not use Basic Authentication (authentication by username and password), you have to create this connection with transaction SM59 and choose `Assign Existing HTTP Destination`. Otherwise choose `Create New Connection` and enter the corresponding data. The user for content synchronization must have at least the role `SAP_SLD_CONTENT_SYNC`. Ensure that SSL is configured correctly before using HTTPS for content synchronization.

## Create New Connection



✔ Successfully connected to SLD

### Role of SLD in the Landscape

SLD Role:



Required SLD Security Role:

Description:

### HTTP Destination

\*URL:



User Name:



Password:

You can test the validity of your input by checking `Test SLD Connection`. A description of the different SLD roles is available by selecting the `i` button on the right of the popup window.

## 6.2.1.2 LMDB Synchronization

Step	Description
1.	Select <code>Configure LMDB Object Server</code> .

Step	Description						
2.	<p>Enter the <i>LMDB Object Server Name</i> corresponding to the information from the popup.</p> <div data-bbox="395 434 1374 1272"> <p><b>Configure LMDB Object Server Name</b> <span style="float: right;">☐ ✕</span></p> <hr/> <p>✔ Data saved - <a href="#">Display Help</a></p> <hr/> <p><b>Setting the LMDB Object Server Name</b> <span style="float: right;">⚙️ —</span></p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p>The object server names in the System Landscape Directory (SLD) and in the Landscape Management Database (LMDB) are the first components of the fully-qualified domain names of CIM instances. They <b>differentiate between the same objects in different CIM servers</b> (SLD or LMDB).</p> <p>Choose an object server name according to the following rules:</p> <ul style="list-style-type: none"> <li>▪ All SLD and LMDB systems in your landscape <b>must have different names</b>.</li> <li>▪ Use a <b>prefix reserved at SAP</b>, if available. For more information, see SAP Note 935245.</li> </ul> <p>The system generates a default object server name based on the following pattern: LMDB_&lt;RZ11 profile parameter SAPDBHOST&gt;.</p> <p><b>Example:</b> LMDB_mysapdbhostname</p> </div> <p>*LMDB Object Server Name: <input type="text" value="LMDB_solman"/></p> <p style="text-align: right;"><input type="button" value="OK"/> <input type="button" value="Cancel"/></p> </div>						
3.	<p>Add a new connection under <i>Synchronization Connections between SLD and LMDB</i>.</p> <div data-bbox="384 1384 1295 1630"> <p><b>Synchronization Connections between SLD and LMDB</b></p> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p><input type="button" value="Add"/> <input type="button" value="Delete"/>   <input type="button" value="Activate"/> <input type="button" value="Deactivate"/>   <input type="button" value="Advanced..."/> <input type="button" value="Refresh"/></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Status</th> <th style="width: 50%;">Description</th> <th style="width: 40%;">Source URL</th> </tr> </thead> <tbody> <tr> <td colspan="3"> <span style="font-size: 1.2em;">i</span> Add and Activate a Synchronization Connection between SLD and LMDB </td> </tr> </tbody> </table> </div> </div>	Status	Description	Source URL	<span style="font-size: 1.2em;">i</span> Add and Activate a Synchronization Connection between SLD and LMDB		
Status	Description	Source URL					
<span style="font-size: 1.2em;">i</span> Add and Activate a Synchronization Connection between SLD and LMDB							

Step	Description
4.	<p>Select the corresponding <i>Source SLD Connection</i> that you specified in the previous chapter <a href="#">SLD Connections [page 69]</a> and <b>Save &amp; Activate</b>.</p> <div data-bbox="399 465 1377 1507"> <h3>Add new Synchronization Connection <span style="float: right;">□</span></h3> <p> <input checked="" type="checkbox"/> Entries checked, no errors  <input checked="" type="checkbox"/> Data saved - <a href="#">Display Help</a> </p> <hr/> <h3>Adding a Content Synchronization Connection <span style="float: right;">⚙️ —</span></h3> <p>Most of the contents of the landscape management database (LMDB) comes from the System Landscape Directory (SLD). In this step, you can add a synchronization connection using an SLD connection (SLD role "Source for LMDB") as defined in the previous step. One SLD connection can only be used for one synchronization connection.</p> <p>When you activate it, full synchronization, followed by the incremental synchronization, are triggered:</p> <ul style="list-style-type: none"> <li>At the first full synchronization, the complete <b>SAP CR Content</b> (SAP software catalog), the <b>CIM model</b>, and the <b>system landscape description</b> are added to the LMDB. You can change the SLD that provides SAP CR Content and CIM model later, but try to <b>use the correct SLD first time</b>.</li> <li>The incremental synchronization (every 10 minutes) writes new and updated information from the SLD to the LMDB.</li> </ul> <p>Proceed as follows:</p> <p>* Source SLD Connection: <input type="text" value="LMDB_SYNCDEST1 (https://solman.mo.sap.corp:50201)"/> ▾</p> <p>Description: <input type="text"/></p> <p>Source User: <input type="text" value="SLD_SYNCER"/></p> <p>* Source Namespace: <input type="text" value="sld/active"/> ▾</p> <p>* Rank of Source Namespace: <input type="text" value="1"/> <input type="button" value="✎"/></p> <p>* Target Namespace: <input type="text" value="active"/> ▾</p> <p>* Rank of Target Namespace: <input type="text" value="1.000"/> <input type="button" value="✎"/></p> <p><input type="button" value="Check"/></p> <p style="text-align: right;"> <input type="button" value="Save &amp; Activate"/> <input type="button" value="Save"/> <input type="button" value="Cancel"/> </p> </div>

## 6.2.1.3 LMDB Content Check

For LMBD content check, choose the *Application Server Java* and *Save* and *Execute*.

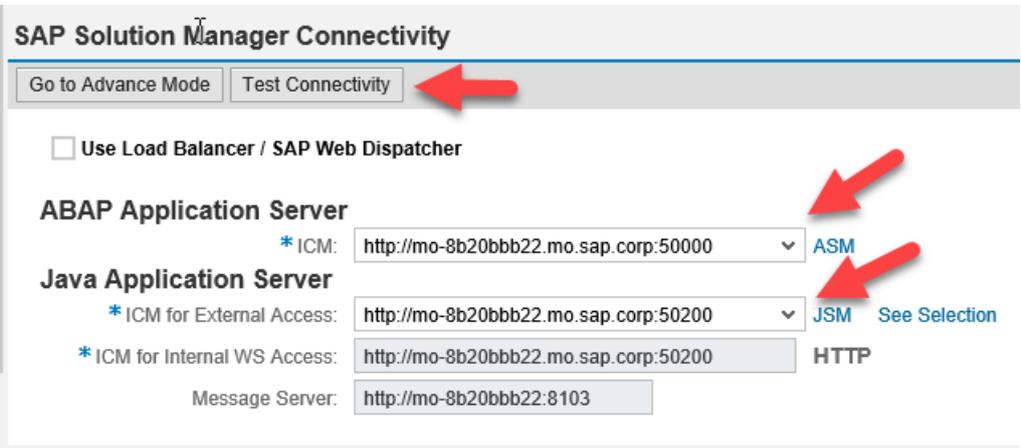
**SAP Solution Manager System**

Application Server ABAP: [ASM](#)

Application Server Java:  [JSM](#)

## 6.2.2 Setting Up Java Connectivity

### 6.2.2.1 Define HTTP Connectivity

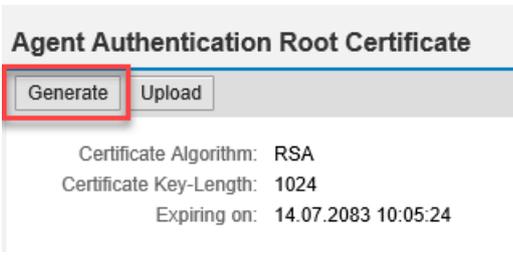
Step	Description
1.	Select the ICM for <i>ABAP Application Server</i> and <i>Java Application Server</i> . 
2.	<i>Test Connectivity</i> of the selected servers.
3.	Save and continue

### 6.2.2.2 Enable Connectivity

Press *Execute All* to perform all *Automatic Activities*.

Automatic Activities								
<input type="button" value="Show All Logs"/> <input type="button" value="Execute All"/> <input type="button" value="Execute Selected"/> <input type="button" value="Refresh"/>								
	Status	Updates Needed	Activity	Type	Comment	Navigation	Execution Status	Documentation
	●	<input type="checkbox"/>	Update HTTPURLLOC Table	Mandatory	◇		Execute ▾	<a href="#">Display</a>
	●	<input type="checkbox"/>	Check User Management Engine Settings	Mandatory	◇		Execute ▾	<a href="#">Display</a>
	●	<input type="checkbox"/>	Check Java Software Prerequisites	Mandatory	◇		Execute ▾	<a href="#">Display</a>
	●	<input type="checkbox"/>	Create Logical Ports	Mandatory	◇	<a href="#">Start Web Dynpro</a>	Execute ▾	<a href="#">Display</a>
	●	<input type="checkbox"/>	Create RFC Connectivity (WEBADMIN)	Mandatory	◇		Execute ▾	<a href="#">Display</a>
	●	<input type="checkbox"/>	Set Up Single Sign-On	Mandatory	◇	<a href="#">Start Transaction</a>	Execute ▾	<a href="#">Display</a>
	●	<input type="checkbox"/>	Turn Off Maintenance Mode	Mandatory	◇		Execute ▾	<a href="#">Display</a>
	●	<input type="checkbox"/>	Run Java Upgrader	Mandatory	◇		Execute ▾	<a href="#">Display</a>

### 6.2.2.3 Diagnostics Agent Authentication

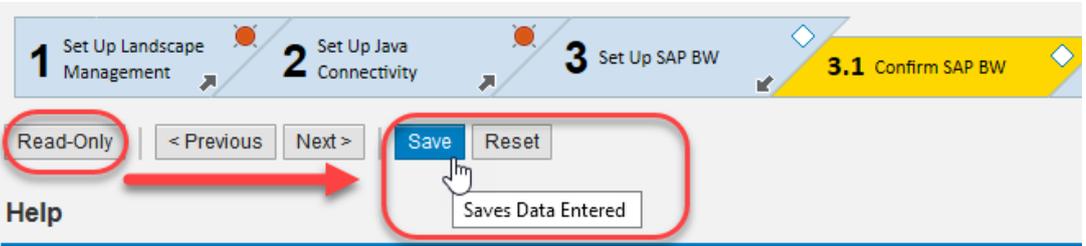
Step	Description
1.	<p>Open the <i>Agent Administration</i> by selecting <i>Manage Agents</i>.</p> 
2.	Turn <i>Maintenance Mode</i> off if it is on.
3.	Go to tab <i>Non-authenticated Agents</i> and select the corresponding agents and connect them by selecting <i>Trust Agents</i> .
4.	Ensure that all relevant agents show a green status in tab <i>Connected Agents</i> .
5.	<p>Go back to <i>Diagnostics Agent Authentication</i> and <i>Generate Agent Authentication Root Certificate</i>.</p> 
6.	Choose a very high <i>Validity in months</i> , e.g. 9999, to reduce maintenance effort and proceed.

## 6.2.3 Setting up SAP BW

This SAP Solution Manager system includes a dedicated SAP Business Information Warehouse to store, aggregate, and report collected data. In this section, you set up SAP Business Warehouse to be able to use it for reporting.

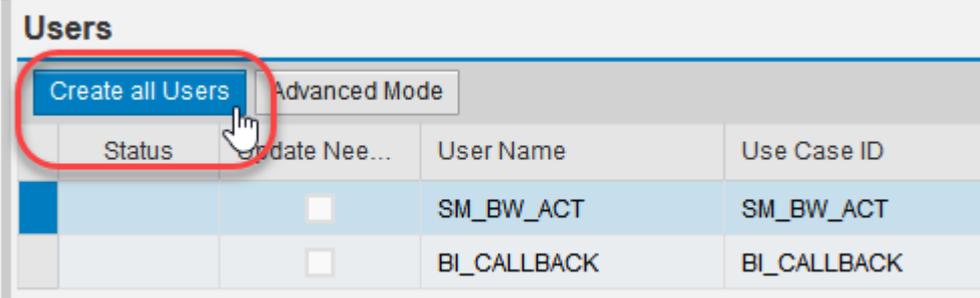
### 6.2.3.1 Confirming SAP BW

In this step, you set up SAP NetWeaver Business Warehouse (SAP BW).

Step	Description
1.	Open the <i>Advanced Settings</i> .
2.	Ensure the correct SAP BW system for you is selected.  <input checked="" type="radio"/> Use Standard SAP Solution Manager BW Environment <input type="radio"/> Use SAP BW in Separate System or Separate SAP Solution Manager Client   For more information, see SAP Note <a href="#">1487626</a> 
3.	Save and proceed. 

### 6.2.3.2 Maintaining Users

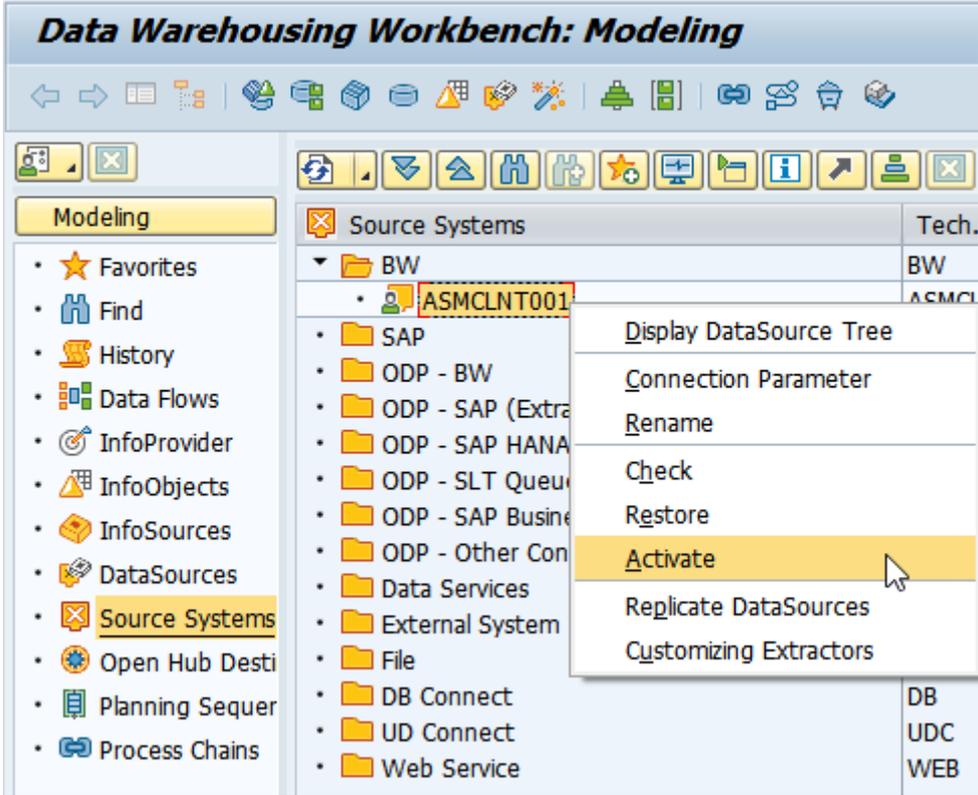
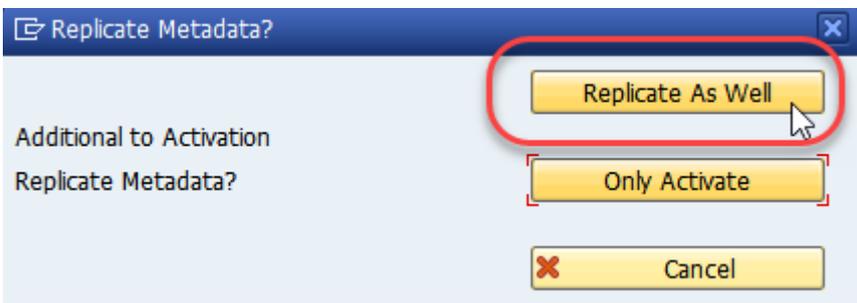
To maintain users you need to create or update dialog, technical (of type *system*) or SAP BW users, and assign roles to them, depending on the scenario and step. `Create all Users` and proceed.



Status	Update Nee...	User Name	Use Case ID
<input type="checkbox"/>	<input type="checkbox"/>	SM_BW_ACT	SM_BW_ACT
<input type="checkbox"/>	<input type="checkbox"/>	BI_CALLBACK	BI_CALLBACK

### 6.2.3.3 Enabling SAP BW

To enable SAP BW you need to perform several activities.

Step	Description
1.	Start transaction RSA1.
2.	<p>Open the context menu of the corresponding BW system and choose <b>Activate</b>.</p> 
3.	<p>In the <i>Replicate Metadata?</i> dialog window you must select <b>Replicate as Well</b>.</p> 
4.	If displayed, choose as <b>3 . x Datasource</b> , and confirm the message.
5.	Set the status of the manual activity <i>Activate BW Source System</i> to <i>Performed</i> and proceed.

Step	Description
6.	Press <b>Execute All</b> to perform all <i>Automatic Activities</i> .

## 6.2.4 Defining CA Introscope

In this step, you define existing CA Introscope Enterprise Managers to be used in SAP Solution Manager.

Step	Description																														
1.	<i>Discover Introscope EM</i>																														
2.	<p>Enter the installation path and confirm <b>Discover</b> installation.</p> <div style="border: 1px solid #ccc; padding: 10px;"> <p><b>Enter information needed for discovery</b> <span style="float: right;">☐ ✕</span></p> <hr/> <p>Diagnostics agents: <input type="text" value="solman.mo.sap.corp(SMDA98)"/></p> <p>Installation path: <input type="text" value="/usr/sap/ccms/apmintroscope"/></p> <p><span style="color: blue;">?</span> If you import an MOM and collectors are found, they appear in the application as children of the MOM, but they must also be reported by outside discovery themselves.</p> <p style="text-align: right;"><input type="button" value="Discover installation"/> <input type="button" value="Cancel"/></p> </div>																														
3.	<p>Open <i>User Management</i> and provide initial passwords. Also choose one user as <i>Connection User</i>.</p> <div style="border: 1px solid #ccc; padding: 10px;"> <p><b>Please enter all information</b> <span style="float: right;">☐ ✕</span></p> <hr/> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <input type="button" value="Add"/> <input type="button" value="Remove"/> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>User</th> <th>Password</th> <th>Retype password</th> <th>Connection User</th> <th>Permission</th> </tr> </thead> <tbody> <tr style="background-color: #e6f2ff;"> <td>Guest</td> <td>●●●●● ...</td> <td>●●●●●●●●</td> <td><input checked="" type="checkbox"/></td> <td>read</td> </tr> <tr> <td>Admin</td> <td>●●●●● ...</td> <td>●●●●●●●●</td> <td><input type="checkbox"/></td> <td>read,run_tra ...</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p style="text-align: right;"><input type="button" value="OK"/></p> </div>	User	Password	Retype password	Connection User	Permission	Guest	●●●●● ...	●●●●●●●●	<input checked="" type="checkbox"/>	read	Admin	●●●●● ...	●●●●●●●●	<input type="checkbox"/>	read,run_tra ...															
User	Password	Retype password	Connection User	Permission																											
Guest	●●●●● ...	●●●●●●●●	<input checked="" type="checkbox"/>	read																											
Admin	●●●●● ...	●●●●●●●●	<input type="checkbox"/>	read,run_tra ...																											

Step	Description
4.	Save the data and proceed.

## 6.2.5 Setting up E-Mail Communication

You need to set up manually the infrastructure that enables SAP Solution Manager to send out notifications using email and text messaging (short message service, SMS), and enable email encryption.

## 6.2.6 Configuring CRM Basics

The configuration of several SAP Customer Relationship Management (CRM) infrastructure components that are used by more than one scenario in SAP Solution Manager requires different manual activities.

Step	Description
1.	Technically Upgrade Products <ul style="list-style-type: none"> <li>• Start transaction SA38.</li> <li>• Execute the report COM_PRODUCT_UPGRADE.</li> </ul>

Step	Description																		
2.	<p>Deactivate Creation of BDocs</p> <ul style="list-style-type: none"> <li>• Start transaction SMW3_00.</li> <li>• Create <i>New Entries</i>.</li> <li>• Select <i>Do Not Send</i> for the following BDoc types: <ul style="list-style-type: none"> <li>◦ BUPA_MAIN</li> <li>◦ BUS_TRANS_MSG</li> <li>◦ CRM_IBASE_MESS</li> <li>◦ PRODUCT_INDOBJ</li> <li>◦ PRODUCT_SRV</li> </ul> </li> </ul> <div data-bbox="392 741 1185 1279" style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p><b>New Entries: Details of Added Entries</b></p> <p>Menu   <input type="text"/>   <b>Save</b>   Back   Exit   Can</p> <p>Short Name: <input type="text" value="BUPA_MAIN"/></p> <p><b>BDoc Type Customizing</b></p> <p>Use XML: <input type="text" value="Default"/></p> <p><input checked="" type="checkbox"/> <b>Do Not Send</b></p> <p>Creation user: <input type="text"/></p> <p>Date of creation: <input type="text"/></p> </div> <ul style="list-style-type: none"> <li>• Save all new entries and set the execution status to <i>Performed</i>.</li> <li>• Proceed with <i>Automatic Activities</i>.</li> </ul> <div data-bbox="392 1375 1398 1727" style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p><b>BDoc Type Customizing</b></p> <table border="1"> <thead> <tr> <th>Short Name</th> <th>XML</th> <th>Do Not Snd</th> </tr> </thead> <tbody> <tr> <td>BUPA_MAIN</td> <td>Default</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>BUS_TRANS_MSG</td> <td>Default</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>CRM_IBASE_MESS</td> <td>Default</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>PRODUCT_INDOBJ</td> <td>Default</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>PRODUCT_SRV</td> <td>Default</td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table> </div>	Short Name	XML	Do Not Snd	BUPA_MAIN	Default	<input checked="" type="checkbox"/>	BUS_TRANS_MSG	Default	<input checked="" type="checkbox"/>	CRM_IBASE_MESS	Default	<input checked="" type="checkbox"/>	PRODUCT_INDOBJ	Default	<input checked="" type="checkbox"/>	PRODUCT_SRV	Default	<input checked="" type="checkbox"/>
Short Name	XML	Do Not Snd																	
BUPA_MAIN	Default	<input checked="" type="checkbox"/>																	
BUS_TRANS_MSG	Default	<input checked="" type="checkbox"/>																	
CRM_IBASE_MESS	Default	<input checked="" type="checkbox"/>																	
PRODUCT_INDOBJ	Default	<input checked="" type="checkbox"/>																	
PRODUCT_SRV	Default	<input checked="" type="checkbox"/>																	
3.	<i>Execute All Automatic Activities</i>																		

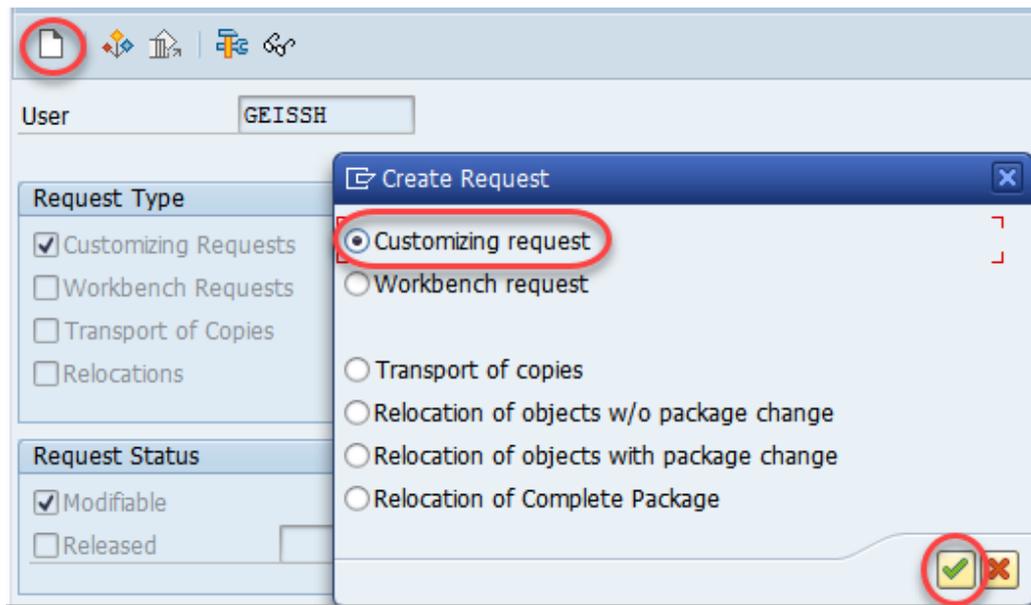
## 6.2.7 Enabling Gateway Services

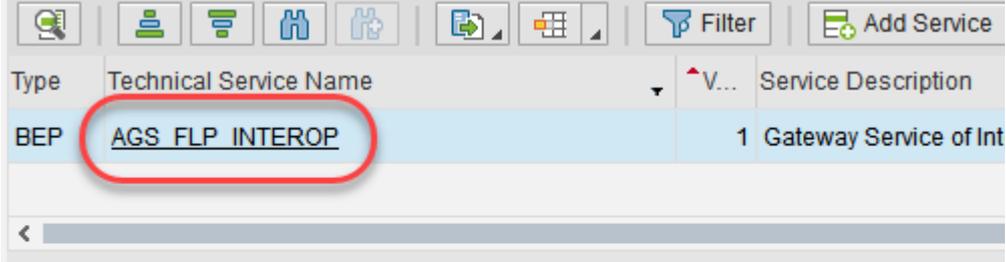
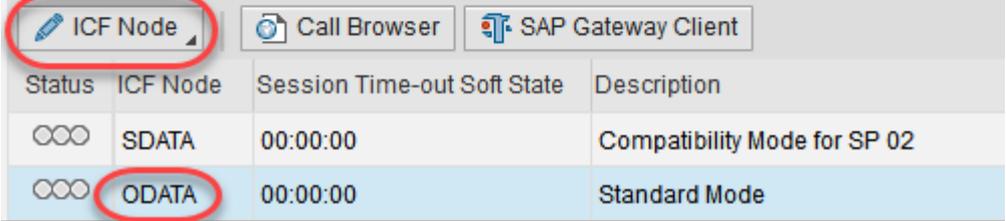
You need to activate OData services in SAP Gateway for SAP UI5 applications and mobile applications:

- The available gateway services are grouped by SAP Solution Manager component, where you can also activate the OData services for the SAP Solution Manager SAP Fiori apps.
- The OData services for SAP Solution Manager Launchpad are displayed under SAP UI for Decoupled Innovations.

System on which SAP Gateway is deployed:

- For SAP Solution Manager, the SAP Gateway and SAP Solution Manager share the same system. You can automatically activate the gateway services in this step.
- If you want to deploy SAP Fiori apps on a separate, or central, SAP Gateway system, activate the SAP Gateway services manually on the central SAP Gateway system.

Step	Description
1.	<p>Open transaction SE09 and create a new Customizing Request.</p> 

Step	Description
2.	<p>Execute the manual activity <i>Activate Launchpad Services</i> for AGS_FLP_INTEROP and AGS_FLP_PAGE_BUILDER_PERS.</p> <div data-bbox="368 454 1374 1061"> <h3>Service Catalog</h3>  <p>The screenshot shows the Service Catalog interface with a table containing one entry: AGS_FLP_INTEROP (Type: BEP, Service Description: Gateway Service of Int). The entry is highlighted with a red circle.</p> <h3>ICF Nodes</h3>  <p>The screenshot shows the ICF Nodes interface with a table containing two entries: SDATA (Compatibility Mode for SP 02) and ODATA (Standard Mode). The ODATA entry is highlighted with a red circle.</p> </div>
3.	Check <i>Select/Deselect</i> all Gateway Services and <i>Prepare Activation</i> .
4.	Save all changes and proceed.

---

# 7 Basic Configuration

Configure the most important functions, jobs, and users for Root Cause Analysis and Service Delivery.

## 7.1 Configuring Basic Functions

In this step, you create the logical ports to enable SAP Solution Manager ABAP applications to call the web services available on the SAP Solution Manager Java stack. This step is done automatically by clicking `Execute All`.

## 7.2 Schedule Jobs

To schedule all important jobs needed by SAP Solution Manager, you only need to select `Schedule Jobs as Planned` to proceed. If some jobs could not be released, you can resolve this by executing this step again after some time.

## 7.3 Manual Configuration

You use this activity to configure the Rapid Content Delivery application in SAP Solution Manager to download content packages automatically. You continue with the `RDSMOPREDUCEDATA` report to delete service sessions, their documents and download data, and reporting documents that were created and edited in SAP Solution Manager. Afterwards you configure the Service Content Update, which offers a superior method to keep the EarlyWatch Alert up-to-date. Then you enable remote connections from SAP to the customer SAP Solution Manager system. Finally, you schedule the reorganization or cleanup of SAP Solution Manager application logs.

Step	Description
1.	<p>Confirm the Configuration for Rapid Content Delivery.</p> <div data-bbox="384 421 1134 792" style="border: 1px solid #ccc; padding: 10px;"> <h3 style="text-align: center;">Rapid Content Delivery Configuration</h3> <div style="border: 2px solid red; border-radius: 15px; padding: 5px; display: inline-block; margin-bottom: 10px;">Confirm</div> <p>Job Name: <input type="text" value="SM:RCD_CHECK_UPDATES"/></p> <h4>Rapid Content Delivery Settings</h4> <div style="border: 2px solid red; border-radius: 15px; padding: 5px; display: inline-block;"> <input checked="" type="checkbox"/> Automatic Download of new content         </div> </div>
2.	<p>Delete Session Documents and Download.</p> <div data-bbox="384 880 1398 1968" style="border: 1px solid #ccc; padding: 10px;"> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <b>Deletion Context</b> <ul style="list-style-type: none"> <li><input checked="" type="radio"/> All Systems</li> <li><input type="radio"/> System(s) by long SID and LMDB system type <input type="text" value=""/> </li> <li><input type="radio"/> System(s) by short SID <input type="text" value=""/> </li> <li><input type="radio"/> Installation Number(s) <input type="text" value=""/> </li> </ul> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <b>Deletion Criterion</b> <ul style="list-style-type: none"> <li><input checked="" type="radio"/> Session Types               <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> EarlyWatch Alert</li> <li><input checked="" type="checkbox"/> EarlyWatch Alert for Solutions</li> <li><input checked="" type="checkbox"/> Service Level Reporting</li> <li><input checked="" type="checkbox"/> Other Session Types (except SETUP Sessions)                   <ul style="list-style-type: none"> <li>Other Sessions Except Following Bundle ID <input type="text" value=""/> </li> <li>Other Sessions Except Following Session N <input type="text" value=""/> </li> </ul> </li> <li><input type="radio"/> Bundle ID <input type="text" value=""/></li> <li><input type="radio"/> Session No. <input type="text" value=""/></li> <li><input type="radio"/> Reporting Document No. <input type="text" value=""/></li> </ul> </li> </ul> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <b>Deletion Content</b> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Sessions               <ul style="list-style-type: none"> <li><input checked="" type="radio"/> Complete (with Documents + Download Data)</li> <li><input type="radio"/> Single Components                   <ul style="list-style-type: none"> <li><input type="checkbox"/> Documents</li> <li><input type="checkbox"/> Download Data</li> </ul> </li> </ul> </li> <li><input checked="" type="checkbox"/> Reporting Documents</li> <li><input checked="" type="checkbox"/> Delete Also in Archive</li> </ul> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <b>Deletion Time Period</b> <ul style="list-style-type: none"> <li><input type="radio"/> Date <input type="text" value=""/> to <input type="text" value=""/></li> <li><input checked="" type="radio"/> Retain Sessions from the Last <input type="text" value="14"/> Days</li> </ul> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <b>Technical Details</b> <p>After a specified number of sessions or documents they are deleted permanently - COMMIT is running</p> <p>COMMIT after number of sessions/documents <input type="text" value="50"/></p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <b>Delete Without Confirmation</b> <p>Required to Delete Sessions in a Job</p> <div style="border: 2px solid red; border-radius: 15px; padding: 5px; display: inline-block;"> <input checked="" type="checkbox"/> Do Not Display Selected Sessions         </div> <input checked="" type="checkbox"/> Delete Sessions Despite Possible Inconsistency       </div> </div>

Step	Description
3.	<p>Activate the Service Content Update Configuration.</p> <div data-bbox="389 421 1310 1317" style="border: 1px solid #ccc; padding: 10px;"> <h3 style="text-align: center; background-color: #f0f0f0; margin: 0;">Service Content Update Configuration</h3> <p style="text-align: center; margin: 10px 0;"><input type="button" value="Confirm"/></p> <p style="text-align: center; margin: 0;"><b>Content Update Search at SAP</b></p> <p>Content Update Search for planned services after delivery date in days: <input style="width: 50px; text-align: center;" type="text" value="14"/></p> <p>Content Update Search for planned services in advance in days: <input style="width: 50px; text-align: center;" type="text" value="35"/></p> <p style="text-align: center; margin: 10px 0;"><b>Package Size</b></p> <p>Download Package Size (Bytes): <input style="width: 80px; text-align: center;" type="text" value="1.048.57"/></p> <p style="text-align: center; margin: 10px 0;"><b>Content Update Settings</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Automatic download of update information</li> <li><input checked="" type="checkbox"/> Automatic download of available content</li> <li><input checked="" type="checkbox"/> Automatic activation of download content</li> </ul> <p style="text-align: center; margin: 10px 0;"><b>Batch Settings</b></p> <p>Job Name: <input style="width: 150px;" type="text" value="SM:SERVICE CONTENT UPDATE"/></p> <p>Job Information: <input style="width: 300px;" type="text" value="Job is not yet scheduled."/></p> <p><input checked="" type="checkbox"/> Schedule in Batch</p> </div>

Step	Description																		
4.	<p>Schedule Application Log Cleanup.</p> <p>The Transaction code is SLG2.</p> <div data-bbox="379 465 1062 1637" style="border: 1px solid #ccc; padding: 5px;"> <div style="background-color: #e6f2ff; padding: 2px;"><b>Delete logs</b></div> <p>All logs are deleted which satisfy the following selection conditions, and for which:</p> <ul style="list-style-type: none"> <li>- the expiry date is reached or passed</li> <li>- the expiry date is not defined</li> </ul> <hr/> <div style="background-color: #e6f2ff; padding: 2px;"><b>Expiry date</b></div> <p> <input type="radio"/> Only logs which have reached their expiry date  <input checked="" type="radio"/> and logs which can be deleted before the expiry date  <input type="radio"/> Cannot delete log now since expiry date is in the future         </p> <hr/> <div style="background-color: #e6f2ff; padding: 2px;"><b>Selection conditions</b></div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Object</td> <td style="width: 50%;"><input type="text" value="*"/></td> </tr> <tr> <td>Subobject</td> <td><input type="text"/></td> </tr> <tr> <td>External ID</td> <td><input type="text"/></td> </tr> <tr> <td>Transaction code</td> <td><input type="text"/></td> </tr> <tr> <td>User</td> <td><input type="text"/></td> </tr> <tr> <td>Log number</td> <td><input type="text"/></td> </tr> <tr> <td>Problem class</td> <td><input type="text"/></td> </tr> <tr> <td>from (date/time)</td> <td><input type="text"/> 0</td> </tr> <tr> <td>to (date/time)</td> <td><input type="text"/> 0</td> </tr> </table> <hr/> <div style="background-color: #e6f2ff; padding: 2px;"><b>Options</b></div> <p> <input type="radio"/> Only calculate how many  <input type="radio"/> Generate list  <input checked="" type="radio"/> Delete immediately         </p> </div>	Object	<input type="text" value="*"/>	Subobject	<input type="text"/>	External ID	<input type="text"/>	Transaction code	<input type="text"/>	User	<input type="text"/>	Log number	<input type="text"/>	Problem class	<input type="text"/>	from (date/time)	<input type="text"/> 0	to (date/time)	<input type="text"/> 0
Object	<input type="text" value="*"/>																		
Subobject	<input type="text"/>																		
External ID	<input type="text"/>																		
Transaction code	<input type="text"/>																		
User	<input type="text"/>																		
Log number	<input type="text"/>																		
Problem class	<input type="text"/>																		
from (date/time)	<input type="text"/> 0																		
to (date/time)	<input type="text"/> 0																		

## 7.4 Creating Basic Dialog Users

Create or update dialog, technical (of type system) or SAP BW users, and assign roles to them, depending on the scenario and step with `Create All Users`.

# 8 Managed System Configuration

Establishes the basis for several functions, such as root cause analysis and EarlyWatch Alert or for system and application monitoring. The described *Managed System Configurations* refer to the *SAP Solution Manager 7.2* systems themselves and apply to the corresponding ABAP or Java systems. You can configure *technical systems*, standalone *databases*, and standalone *hosts*. To manage the systems in SAP Solution Manager, you must complete the mandatory configuration.

## 8.1 Application Server ABAP

### 8.1.1 Assigning Product

This step specifies the software installed on a technical system.

This procedure should already be working. As soon as editing is started it should be OK.

### 8.1.2 Checking Prerequisites

The prerequisites check for the configuration of SAP Solution Manager is an automatic activity.

It starts with `Execute All`. Proceed when the execution status has reached 100%.

The screenshot displays the SAP Solution Manager interface for checking prerequisites. At the top, the 'Execution Status' is shown as 0%. Below this, a table titled 'Status of the asynchronous execution' lists a job with ID 10165600, named 'SMSETUP: AGS\_MS\_CHECK\_PREQ', which is currently 'Active' and has a duration of 00:00:00. Underneath, the 'Automatic Activities' section features a row of buttons: 'Show All Logs', 'Execute All' (highlighted with a red circle), 'Execute Selected', and 'Refresh'. Below the buttons is a table with columns for 'Status', 'Updates Needed', and 'Activity'. The 'Status' column contains a diamond icon, 'Updates Needed' has a checkbox, and the 'Activity' is 'Software Prerequisites'.

## 8.1.3 Maintaining RFCs

Step	Description																														
1.	<p>Select the productive client you want to connect – client 001 here – and enter the required parameters.</p> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>Help</b></p> <hr/> <p><b>Clients and Existing RFCs</b></p> <p>Delete RFCs   Test</p> <table border="1"> <thead> <tr> <th>Status</th> <th>Client</th> <th>Name</th> <th>Role</th> <th>Logical System</th> <th>RFC Read</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Status R</td> </tr> <tr> <td>◇</td> <td>000</td> <td>ASMCLNT001</td> <td>SAP reference System</td> <td></td> <td></td> </tr> <tr> <td>◇</td> <td>001</td> <td>ASMCLNT001</td> <td>Customizing System</td> <td>ASMCLNT001</td> <td>AS</td> </tr> <tr> <td>◇</td> <td>066</td> <td>Test EarlyWatch Profiles</td> <td>SAP reference System</td> <td></td> <td></td> </tr> </tbody> </table> </div>	Status	Client	Name	Role	Logical System	RFC Read						Status R	◇	000	ASMCLNT001	SAP reference System			◇	001	ASMCLNT001	Customizing System	ASMCLNT001	AS	◇	066	Test EarlyWatch Profiles	SAP reference System		
Status	Client	Name	Role	Logical System	RFC Read																										
					Status R																										
◇	000	ASMCLNT001	SAP reference System																												
◇	001	ASMCLNT001	Customizing System	ASMCLNT001	AS																										
◇	066	Test EarlyWatch Profiles	SAP reference System																												
2.	Choose Execute.																														

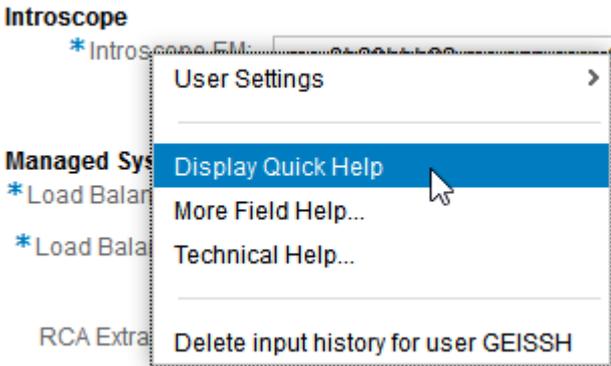
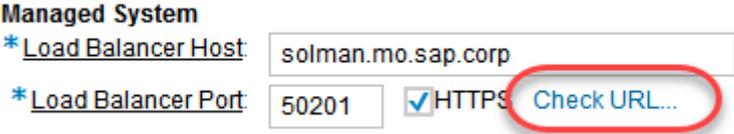
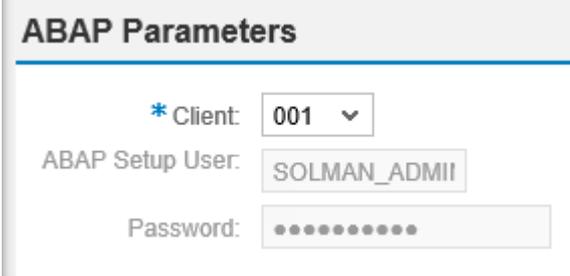
## 8.1.4 Assigning Diagnostics Agent

Afterwards you need to assign Diagnostics Agents to each server (host) on which managed systems are running.

Step	Description															
1.	Validate that the correct <i>Diagnostic Agent</i> is assigned to the <i>Managed Object</i> .															
2.	Choose <b>Find Agent</b> to assign a <i>Diagnostic Agent</i> to the corresponding <i>Managed Object</i> .															
3.	<p>If no agents are displayed, you have to ensure that for each <i>Server</i> of the <i>Managed Object</i> one <i>Diagnostics Agent</i> is installed.</p> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>Agent Assignment</b></p> <p>Auto Assign   Unassign   Check All Host Agents</p> <table border="1"> <thead> <tr> <th colspan="3">Managed Object</th> <th colspan="2">Diagnostics Agent</th> </tr> <tr> <th>ID</th> <th>Type</th> <th>Server</th> <th>Agent Host</th> <th>Agent Status</th> </tr> </thead> <tbody> <tr> <td>ASM/ASM00001</td> <td>DATABASE/ABAP</td> <td>solman</td> <td>solman.mo.sap.corp</td> <td>●</td> </tr> </tbody> </table> </div>	Managed Object			Diagnostics Agent		ID	Type	Server	Agent Host	Agent Status	ASM/ASM00001	DATABASE/ABAP	solman	solman.mo.sap.corp	●
Managed Object			Diagnostics Agent													
ID	Type	Server	Agent Host	Agent Status												
ASM/ASM00001	DATABASE/ABAP	solman	solman.mo.sap.corp	●												
4.	Confirm that all <i>Host Agents</i> are OK with <b>Check All Host Agents</b> .															

## 8.1.5 Entering System Parameters

Specify the required system parameters to configure the managed system.

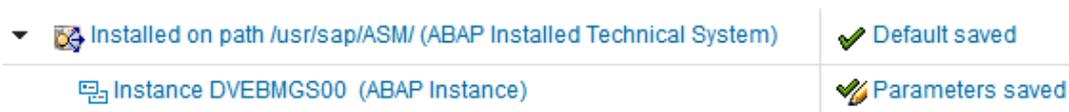
Step	Description
1.	<p>Enable the <b>Quick Help</b> by opening the context menu on one of the parameters.</p> 
2.	<p>Enter the mandatory information for <i>Managed System</i> and confirm the input by executing <b>Check URL...</b></p> 
3.	<p>Enter the mandatory information for <i>ABAP Parameters</i> and confirm the input by executing <b>Test Logon...</b></p> 

Step	Description
4.	<p>Enter the mandatory information for <i>DB Parameters</i> and confirm the input by executing <i>Setup DBA Cockpit connection</i>.</p> <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p><b>DB Parameters</b></p> <hr/> <p>Setup DBACockpit / DB extractors: <input checked="" type="checkbox"/></p> <p>* DBA Cockpit Connection Status: <span style="color: green;">●</span></p> <p style="padding-left: 20px;">* Database Host: <input type="text" value="solman"/></p> <p style="padding-left: 40px;">Database Name: <input type="text" value="ASM"/></p> <p style="padding-left: 20px;">* Port Number: <input type="text" value="4901"/></p> <p style="padding-left: 20px;">* SAP Object Owner: <input type="text" value="SAPSR3"/></p> <p style="padding-left: 40px;">Connection Timeout: <input type="text"/></p> <p style="padding-left: 40px;">Connection Type: <input type="text" value="ASE"/></p> <p style="padding-left: 40px;">Database User: <input type="text" value="sapsa"/> <span style="color: blue;">?</span></p> <p style="padding-left: 40px;">Password: <input type="password"/></p> <p style="padding-left: 40px;">Data Collector Ownership: <input type="text" value="Owner ASM"/> <span style="color: blue;">?</span></p> <p style="padding-left: 40px;">Data Collector Setup Template: <input type="text" value="SAP Default (*)"/> <span style="color: blue;">?</span></p> <p style="padding-left: 40px;">Data Collector Auto Update: <input checked="" type="checkbox"/> <span style="color: blue;">?</span></p> </div>
5.	Save your changes and proceed.

## 8.1.6 Entering Landscape Parameters

You can verify and add the landscape parameters. But be careful to avoid time-consuming error-handling.

Step	Description
1.	Select the checkbox <i>Check existence of paths when saving</i> .

Step	Description
2.	<p>Save the correct landscape parameters.</p> 
3.	<p>Repeat step 2 until you can see under <i>Status</i> that they are all saved.</p> 
4.	Save the changes and proceed.

## 8.1.7 Maintaining Users

To maintain your users, you must create or update dialog, technical (of type system), or SAP BW users, and assign roles to them, depending on the scenario and step.

Step	Description
1.	Select SAPSUPPORT user and press <code>Execute</code> to maintain the user.
2.	Select SMDAGENT_ASM user and press <code>Execute</code> to maintain the user.

## 8.1.8 Finalizing Configuration

Finish a summary of common activities to finalize the configuration of the *Managed System*.

Step	Description
1.	Execute All Automatic Activities
2.	Follow the documented steps in the manual activity <i>Maintain SAP Router Data</i> .
3.	If not already done in chapter <a href="#">Post-Installation Steps [page 38]</a> , add the parameter as described in SAP Note <a href="#">1252944</a> in the manual activity <i>Adjust HTTP Log Parameter</i> : <ul style="list-style-type: none"><li>icm/HTTP/logging_0 = PREFIX=/, LOGFILE=icmhttp.log, FILTER=SAPSMD, LOGFORMAT=SAPSMD2, MAXSIZEKB=10240, FILEWRAP=on, SWITCHTF=month</li></ul>

## 8.1.9 Checking Configuration

By choosing `Execute All` you check whether the system is configured correctly, and you automatically update the status in the overview of the *Managed Systems Configuration*.

## 8.2 Application Server Java

### 8.2.1 Assigning Product

This step specifies the software installed on a technical system. This procedure should already be working. As soon as editing is started it should be OK.

## 8.2.2 Checking Prerequisites

Now you check the prerequisites for the configuration of SAP Solution Manager. As this is an automatic activity, start it with `Execute All`. Proceed when the execution status has reached 100%.

Execution Status:  
0%

### Status of the asynchronous execution

Job No.	Job name	Status	Job Duration
10165600	SMSETUP: AGS_MS_CHECK_PREQ	Active	00:00:00

### Automatic Activities

Show All Logs **Execute All** Execute Selected Refresh

Status	Updates Needed	Activity
<input type="checkbox"/>	<input type="checkbox"/>	Software Prerequisites

## 8.2.3 Assigning Diagnostics Agent

You need to assign Diagnostics Agents to each server (host) on which managed systems are running.

Step	Description
1.	Validate that the correct <i>Diagnostic Agent</i> is assigned to the <i>Managed Object</i> .
2.	Choose <code>Find Agent</code> to assign a <i>Diagnostic Agent</i> to the corresponding <i>Managed Object</i> .
3.	If no agents are displayed, you have to ensure that for each <i>Server</i> of the <i>Managed Object</i> one <i>Diagnostics Agent</i> is installed.

**Agent Assignment**

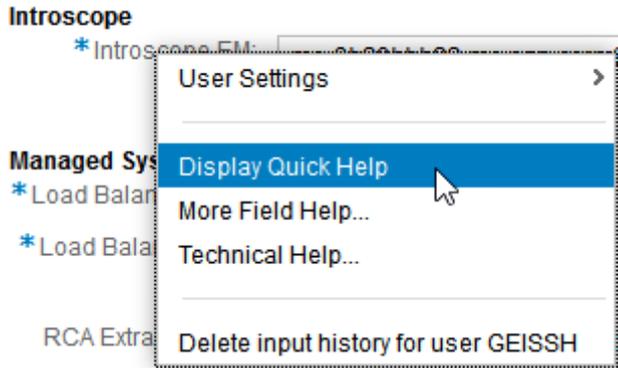
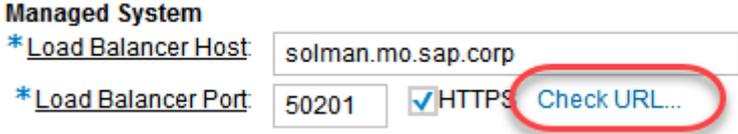
Auto Assign Unassign Check All Host Agents Refresh Advanced Mode Agent Admin

Managed Object			Diagnostics Agent		Host Agent	
ID	Type	Server	Agent Host	Agent Status	Status	Version / Patch level
JSM	JAVA	mo-8b20bbb22	mo-8b20bbb22.mo.sap.corp	●	◇	-- / --
	DATABASE	solman	solman.mo.sap.corp	●	◇	-- / --

Step	Description
4.	Confirm that all <i>Host Agents</i> are OK with <code>Check All Host Agents</code> .

## 8.2.4 Entering System Parameters

In this step, you specify the system parameters required to configure the managed system.

Step	Description
1.	<p>Enable the <code>Quick Help</code> by opening the context menu on one of the parameters.</p> 
2.	<p>Enter the mandatory information for <i>Managed System</i> and confirm the input by executing <code>Check URL...</code></p> 

Step	Description
3.	<p>Enter the mandatory information for <i>Java Parameters</i> and confirm the input by executing <b>Test Logon...</b></p> <div data-bbox="363 421 1161 1032"> <h3 style="background-color: #e0e0e0; padding: 5px; margin: 0;">JAVA Parameters</h3> <hr style="border: 1px solid #0070c0; margin: 5px 0;"/> <p>* <b>Message Server Host:</b> <input type="text" value="mo-8b20bbb22.mo.s"/>  * <b>Message Server Port:</b> <input type="text" value="3903"/>  * <b>Setup User (Admin):</b> <input type="text" value="J2EE_ADMIN"/> <b>Test Logon...</b>      * <b>Password:</b> <input type="password" value="....."/>    <input checked="" type="checkbox"/> <b>Mark if system has a ABAP User Store</b>            (Do not mark in case of double stack system or CUA system)            ABAP User Store: <input type="text" value="ASM"/>  Client: <input type="text" value="001"/>  User: <input type="text" value="SOLMAN_ADMIN"/>  Password: <input type="password" value="....."/> </p></div>

## 8.2.5 Entering Landscape Parameters

You can verify and add the landscape parameters. To avoid time-consuming error-handling, verify them carefully.

Step	Description								
1.	Select the checkbox <code>Check existence of paths when saving</code> .								
2.	<p>Save the landscape parameters.</p>  <p>The screenshot displays the 'Landscape Parameters' configuration screen. On the left, there is a table with a 'Status' column. The first two rows show 'No parameters' with a green dot. The next three rows show 'Default used' with a yellow triangle, and the last row shows 'No parameters' with a green dot. On the right, there is a table titled 'Landscape parameters of' with two columns: 'Parameter' and 'Value'. The 'Installation Path' parameter has the value '/usr/sap/JSM/'. Below this table is a 'Save Landscape Parameters' button with a checkbox.</p>								
3.	<p>Repeat step 2 until all <i>Status</i> entries are saved.</p>  <p>The screenshot shows a list of parameters with their status. The list is as follows:</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>Installed on path /usr/sap/JSM/ (Java Installed Technical System) (2)</td> <td>✓ Default saved</td> </tr> <tr> <td>Instance J02 (Java Instance) (1)</td> <td>✓ Default saved</td> </tr> <tr> <td>Server server0 (Java Server Node)</td> <td>✓ Default saved</td> </tr> </tbody> </table>	Parameter	Status	Installed on path /usr/sap/JSM/ (Java Installed Technical System) (2)	✓ Default saved	Instance J02 (Java Instance) (1)	✓ Default saved	Server server0 (Java Server Node)	✓ Default saved
Parameter	Status								
Installed on path /usr/sap/JSM/ (Java Installed Technical System) (2)	✓ Default saved								
Instance J02 (Java Instance) (1)	✓ Default saved								
Server server0 (Java Server Node)	✓ Default saved								
4.	Save the changes and proceed.								

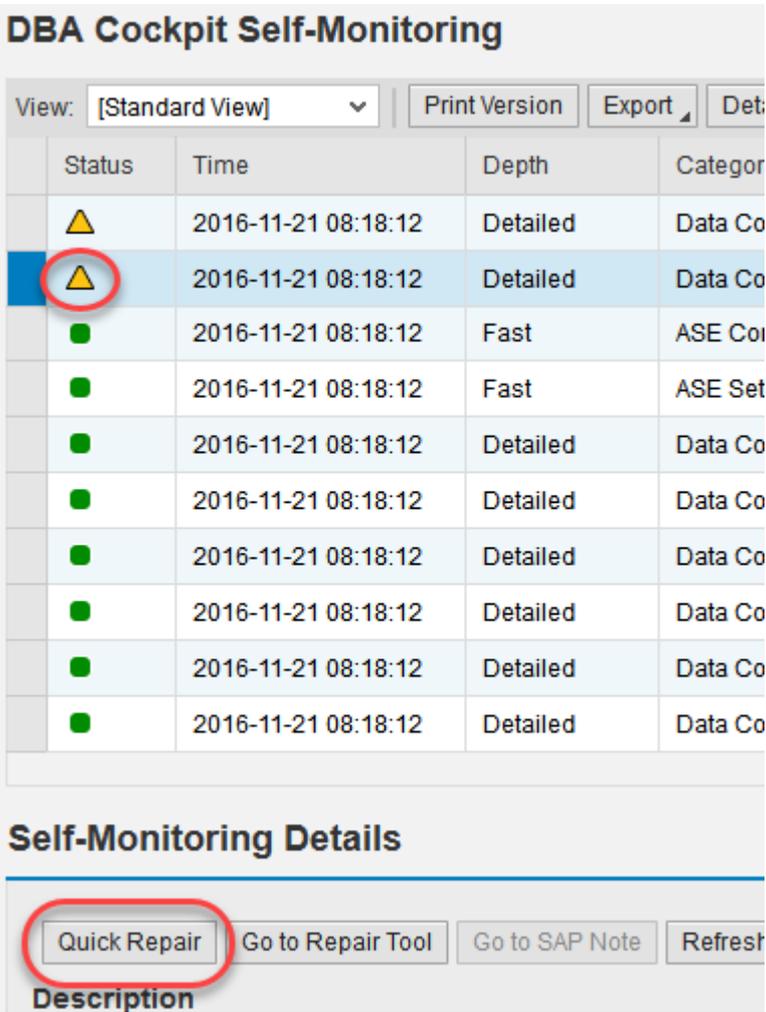
## 8.2.6 Maintaining Users

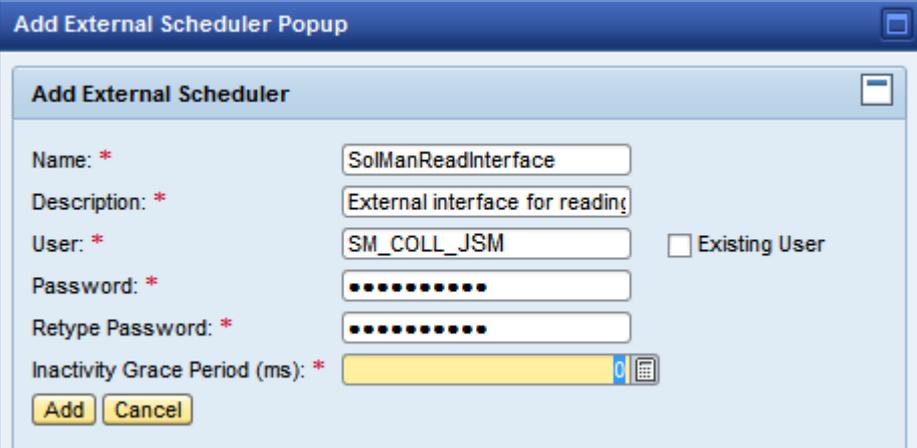
Create or update dialog, technical (of type system), or SAP BW users, and assign roles to them, depending on the scenario and step.

Step	Description
1.	<p>Apply the roles and actions described in SAP Note <a href="#">1647157</a> for <i>Setup User (Admin)</i> from <i>JAVA Parameters</i>.</p> <div style="background-color: #fff9c4; padding: 5px;"><p> <b>Example</b></p><p>J2EE_ADMIN</p></div>
2.	Select SAPSUPPORT user and press <code>Execute</code> to maintain the user.
3.	Select SM_COLL_ASM user and provide the password.
4.	Maintain the user with <code>Execute</code> and proceed to the next procedure.

## 8.2.7 Finalizing Configuration

Finish a summary of common activities to finalize the configuration of the *Managed System*.

Step	Description																																																
1.	<p>Execute All Automatic Activities.</p> <p>Go to <i>DBA Cockpit Self-Monitoring</i> if there are <i>Warnings</i> with the <i>Database Extractor Setup</i>.</p> <p>You can go there directly by opening <i>Show</i> in the URL column of the logs.</p> <p>Now you can repair all your entries with warnings.</p>  <p><b>DBA Cockpit Self-Monitoring</b></p> <p>View: [Standard View] Print Version Export Det</p> <table border="1"> <thead> <tr> <th>Status</th> <th>Time</th> <th>Depth</th> <th>Categor</th> </tr> </thead> <tbody> <tr> <td>⚠</td> <td>2016-11-21 08:18:12</td> <td>Detailed</td> <td>Data Co</td> </tr> <tr> <td>⚠</td> <td>2016-11-21 08:18:12</td> <td>Detailed</td> <td>Data Co</td> </tr> <tr> <td>●</td> <td>2016-11-21 08:18:12</td> <td>Fast</td> <td>ASE Col</td> </tr> <tr> <td>●</td> <td>2016-11-21 08:18:12</td> <td>Fast</td> <td>ASE Set</td> </tr> <tr> <td>●</td> <td>2016-11-21 08:18:12</td> <td>Detailed</td> <td>Data Co</td> </tr> </tbody> </table> <p><b>Self-Monitoring Details</b></p> <p>Quick Repair Go to Repair Tool Go to SAP Note Refresh</p> <p><b>Description</b></p>	Status	Time	Depth	Categor	⚠	2016-11-21 08:18:12	Detailed	Data Co	⚠	2016-11-21 08:18:12	Detailed	Data Co	●	2016-11-21 08:18:12	Fast	ASE Col	●	2016-11-21 08:18:12	Fast	ASE Set	●	2016-11-21 08:18:12	Detailed	Data Co	●	2016-11-21 08:18:12	Detailed	Data Co	●	2016-11-21 08:18:12	Detailed	Data Co	●	2016-11-21 08:18:12	Detailed	Data Co	●	2016-11-21 08:18:12	Detailed	Data Co	●	2016-11-21 08:18:12	Detailed	Data Co	●	2016-11-21 08:18:12	Detailed	Data Co
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2.	Follow the documented steps in the manual activity <i>Maintain SAP Router Data</i> .																																																
3.	<p>If not already done in chapter <a href="#">Post-Installation Steps [page 38]</a>, add the parameter as described in SAP Note <a href="#">1252944</a> in the manual activity <i>Adjust HTTP Log Parameter</i>:</p> <ul style="list-style-type: none"> <li>icm/HTTP/logging_0 = PREFIX=/, LOGFILE=icmhttp.log, FILTER=SAPSMD, LOGFORMAT=SAPSMD2, MAXSIZEKB=10240,FILEWRAP=on, SWITCHTF=month</li> </ul>																																																

Step	Description
4.	The next manual Activity <i>Restart JAVA stack</i> activates the previously added parameter.
5.	Follow the documented steps in the manual activity <i>J2EE Job Scheduler Configuration</i> . 
6.	Follow the documented steps in the manual activity <i>Enable Remote HTTP Connection</i> .

## 8.2.8 Checking Configuration

Check whether the system is configured correctly, and update the statuses in the overview of the *Managed Systems Configuration*. This is done automatically by choosing `Execute All`.

## 9 Additional Information

As mentioned in chapter [Introduction \[page 6\]](#), this guide describes only the installation and configuration of the SAP Solution Manager 7.2 system with ABAP and Java Application Server 7.45 on SAP Adaptive Server Enterprise (SAP ASE) 16.0.02.04 for Linux x86\_64 by using the local SLD and a standard system.

If you want to use a remote SLD or you want to install the Solution Manager 7.2 on a distributed or high availability system, the configuration becomes more complex. Therefore, we recommend that you refer to the documentation below for any additional required steps.

### 9.1 Solution Manager 7.2. Guides

Guide	Location
<a href="#">Solution Manager 7.2 Master Guide</a>	<a href="http://help.sap.com/solutionmanager">http://help.sap.com/solutionmanager</a> ▶ 7.2 <SP> ▶ <i>Installation &amp; Upgrade</i> ▶
<a href="#">SAP Solution Manager 7.2 Configuration Guide</a>	<a href="http://help.sap.com/solutionmanager">http://help.sap.com/solutionmanager</a> ▶ 7.2 <SP> ▶ <i>Configuration</i> ▶

### 9.2 General Information

- [SAP Solution Manager Setup WIKI](#) 
- [Release Notes](#)
- [SAP Community: Solution Manager 7.2 Setup & Configuration](#) 
- [Help Portal - Solution Manager 7.2](#)
- <http://support.sap.com/solution-manager> 
- [Product Availability Matrix \(PAM\)](#) 

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