

Working with SLD Content Synchronization Tool in SLD 7.1



Applies to:

CE7.1, PI7.1, SLD. For more information, visit the [Landscape Design and Architecture homepage](#).

Summary

This Article guides how to work with new tool in SLD 7.1 called SLD Content Synchronization

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Author Bio



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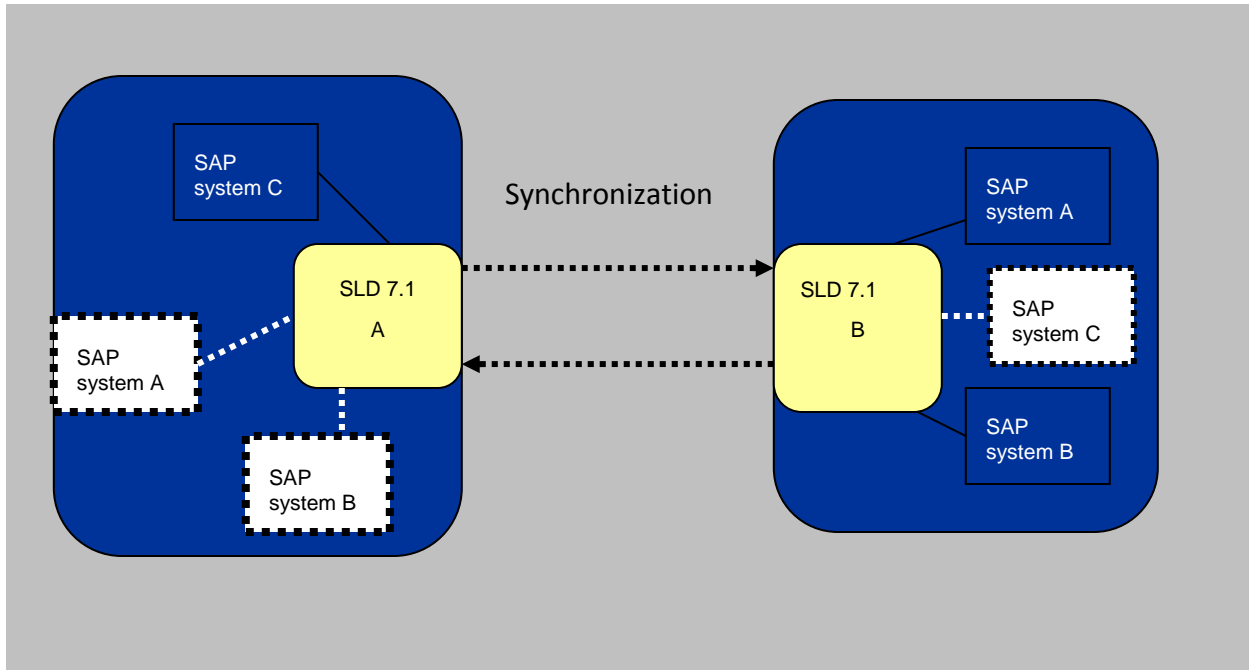
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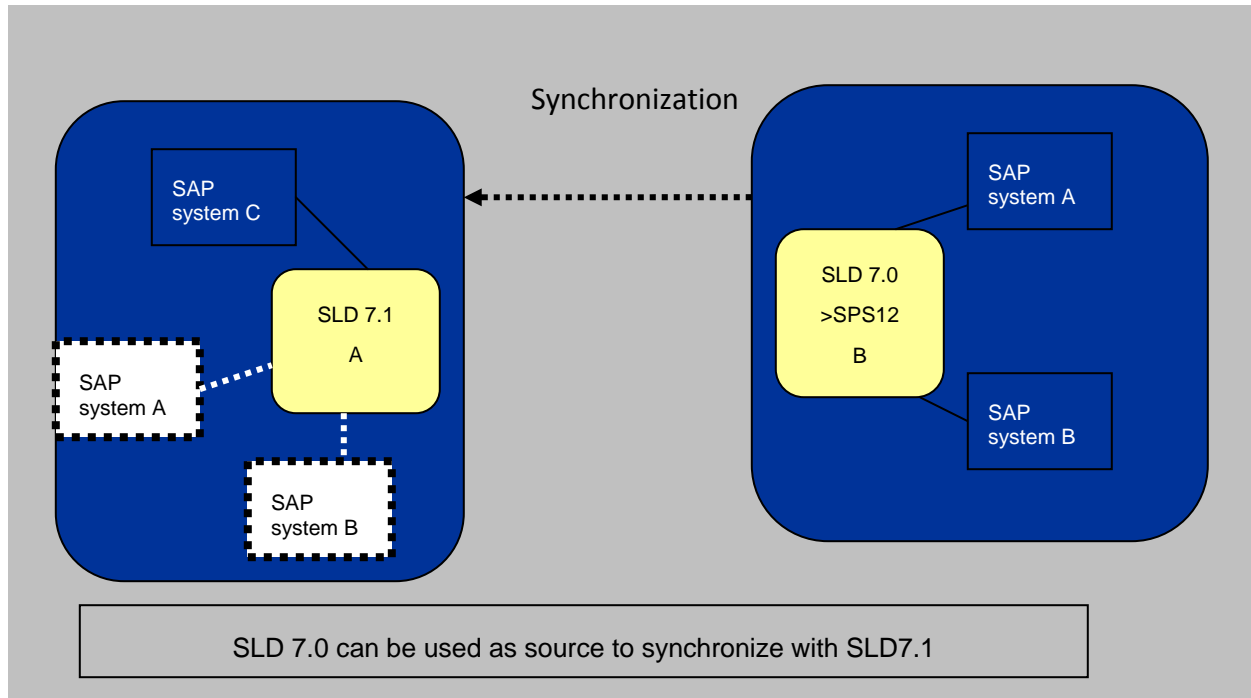
SLD Content Synchronization

In system landscape when we have a requirement to run more than one SLD system and to transport (or synchronize) content between these different SLD systems. In the past, this could only be done by

1. SLD bridge forwarding: You can configure an SLD to transport data received from SLD data suppliers automatically to other SLD systems – manually entered data can not be transported automatically with SLD bridge forwarding.
2. Incremental exports and imports (a process with which you can transport all SLD data, but you have to perform it manually).

With SLD content synchronization, it is now possible to define the required transport topology and perform automated synchronization of all content changes without regular manual operations.





1. Properties and Features

- Available as of SAP NetWeaver 7.1
- All SLD data gets synchronized automatically
- Fully automated:
 - No user interaction
 - Automatic conflict resolution
- Uni- and bi-directional
- Asynchronous propagation (able to handle temporary downtimes of nodes)
- Communication over HTTP protocol
- Source SLD can also run on SAP NetWeaver 7.0 (SP Stack 12 or higher)

2. Benefits

- Reduction of manual synchronization effort
- Continuous availability possible (for example, during upgrade)
- Performance

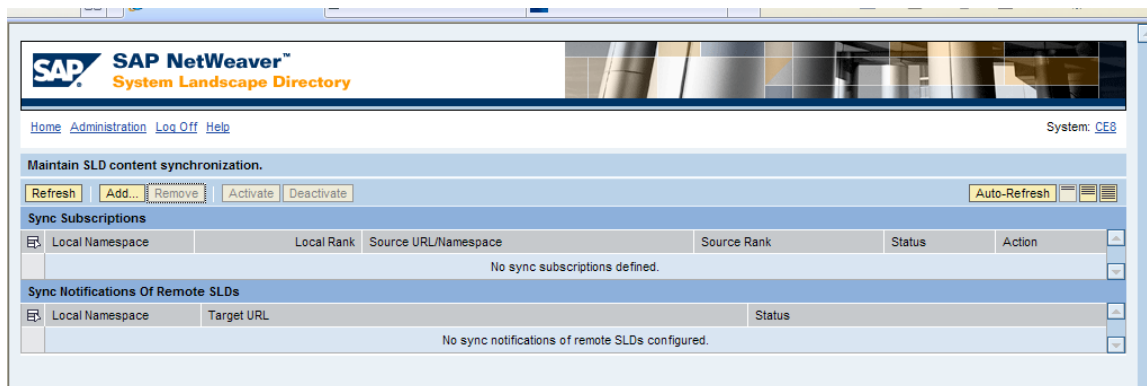
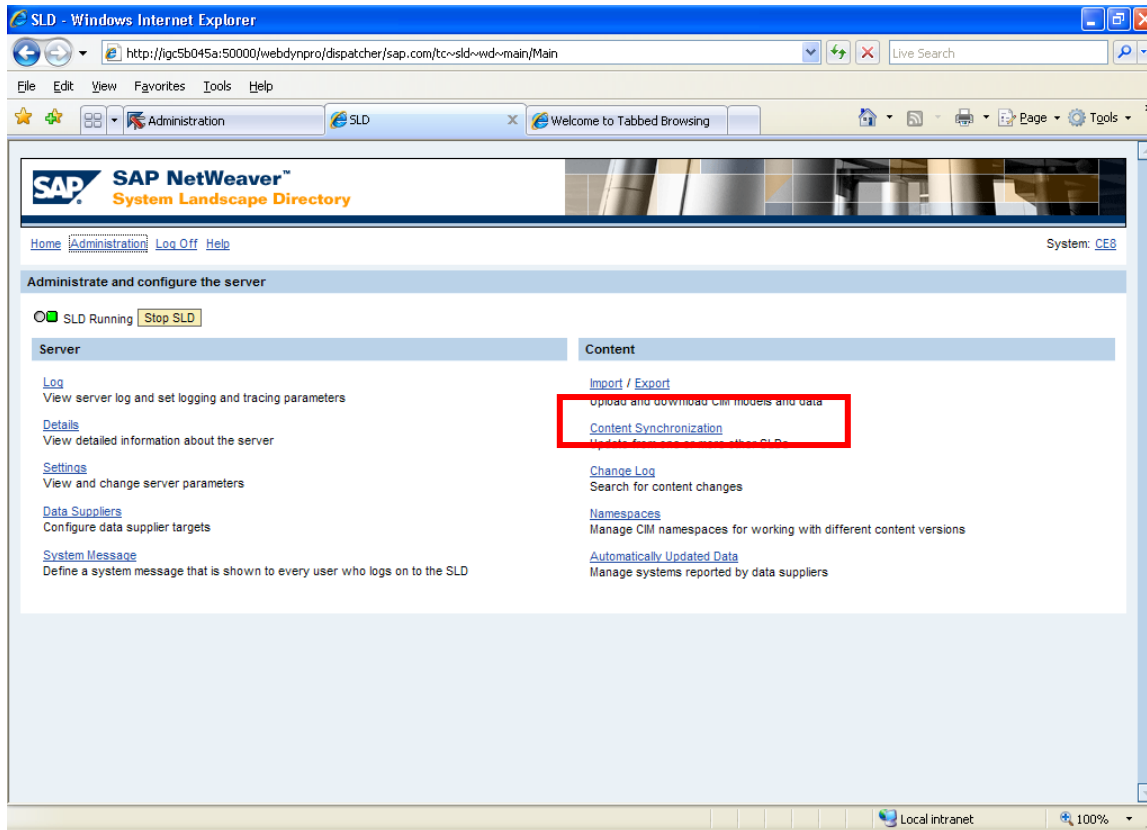
3. Prerequisite for creating Connection

- Both source and target namespace contain the same CIM model version.

Adding a New Content Synchronization Connection

Navigate to SLD 7.1 URL <http://host:ports/sld> login as SLD administrator

- Choose Administration -> Content Synchronization.



If you want to set up a unidirectional synchronization, perform these steps on the target SLD. For a bi-directional synchronization these steps can be performed on any of both SLD systems.

The screenshot shows the SAP NetWeaver System Landscape Directory interface. The main heading is "Maintain SLD content synchronization." Below it is the "Content Synchronization Wizard" with a progress bar showing five steps: 1 (General), 2 (Source SLD), 3 (Source Namespace), 4 (Local SLD), and 5 (Summary). Step 1 is currently active. The "Select the synchronization type and direction" section contains two radio buttons: "Remote (Sync with another SLD)" which is selected, and "Local (Sync two namespaces on this SLD)". There is also a "Bidirectional:" checkbox which is unchecked. At the bottom are "Back", "Next", and "Cancel" buttons.

Source SLD

Specify all necessary information for obtaining changes from the source SLD (URL, user and password). The specified user must have role LcrContentSync (member of group SAP_SLD_CONTENT_SYNC).

Choose Next.

The screenshot shows the "Enter connection information for the source (remote) SLD" step. The progress bar now highlights step 2. The form contains four input fields: "Source URL:", "Source User:", "Source Password:", and "Confirm Password:". Each field has a small information icon to its right. At the bottom are "Back", "Next", and "Cancel" buttons.

Source Namespace

Select the source namespace for changes from the list of available namespaces of the source system. Also define the rank of the source namespace if it is still undefined (-1) or change it if desired.

Choose Next.

The screenshot shows the "Enter namespace and sync rank of the source SLD" step. The progress bar now highlights step 3. The form contains two input fields: "Source Namespace:" with a dropdown menu showing "sld/active" and "Source Rank:" with a text input field containing the value "2". Both fields have information icons to their right. At the bottom are "Back", "Next", and "Cancel" buttons.

For a bi-directional synchronization, the source SLD will use this Information for the opposite direction. Also define the rank of the local target namespace if it is still undefined (-1) or change it if desired.

Choose Next.

SAP NetWeaver™
System Landscape Directory

Home Administration Log Off Help System: CEB

Maintain SLD content synchronization.

Content Synchronization Wizard

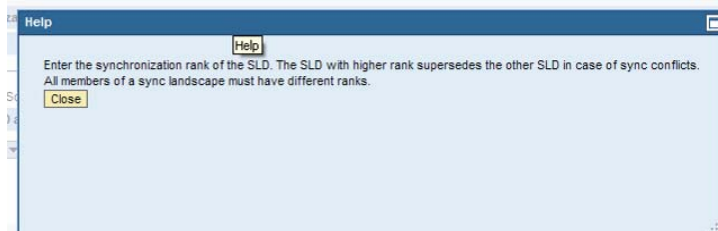
1 2 3 4 5
General Source SLD Source Namespace Local SLD Summary

Enter information about this SLD and the target namespace and rank

Local Namespace: * sld/active ⓘ

Local Rank: * 1 ⓘ

Back Next Cancel



Summary

A summary of all configuration data is shown. You can either choose Back to apply changes if necessary or choose Finish to add and activate this new configuration.

SAP NetWeaver™
System Landscape Directory

Home Administration Log Off Help System: CEB

Maintain SLD content synchronization.

Content Synchronization Wizard

1 2 3 4 5
General Source SLD Source Namespace Local SLD Summary

Review the summary below. When you click Finish, the sync will be configured and started.

Sync Source: http://igincrm.in.intelgroup.com:50300/sld/active
User: j2ee_admin
Rank: 2

Sync Target: http://igc5b045a:50000/sld/active
Rank: 1

Sync Direction: Unidirectional (Source -> Target)

Back Finish Cancel

SAP NetWeaver™
System Landscape Directory

Home Administration Log Off Help System: CEB

Maintain SLD content synchronization.

Refresh Add... Remove Activate Deactivate Auto-Refresh

Sync Subscriptions

| Local Namespace | Local Rank | Source URL/namespace | Source Rank | Status | Action |
|-----------------|------------|---|-------------|-------------------|-----------|
| sld/active | 1 | http://igincrm.in.intelgroup.com:50300/sld/active | | Full Sync Running | Full Sync |

Sync Notifications Of Remote SLDs

| Local Namespace | Target URL | Status |
|--|------------|--------|
| No sync notifications of remote SLDs configured. | | |

SAP NetWeaver™ System Landscape Directory

Home Administration Log Off Help System: [CE8](#)

Maintain SLD content synchronization.

Details

Close Refresh Update Ranks

Active: true
 Source URL/namespace: http://igincrm.in.intelligroup.com:50300 sld/active
 Target Namespace: sld/active
 Target Rank:
 Source Rank:
 Status: Full sync: 76% done

SAP NetWeaver™ System Landscape Directory

Home Administration Log Off Help System: [CE8](#)

Maintain SLD content synchronization.

Details

Close Refresh Update Ranks

Active: true
 Source URL/namespace: http://igincrm.in.intelligroup.com:50300 sld/active
 Target Namespace: sld/active
 Target Rank:
 Source Rank:
 Status: Incremental sync (last change 9/3/08 4:24 PM)

Before running SLD Content Synchronization only local technical system available

SAP NetWeaver™ System Landscape Directory

Home Administration Log Off Help System: [CE8](#)

View and Define Systems and Servers

Technical Systems

Technical System Type: All Application Systems (1) Filter: Go

New Technical System... Remove Export Refresh

| Name | Host | Version | Type | Last Update |
|------------------|-----------|---------------------------------|---------|------------------|
| CE8 on igc5b045a | igc5b045a | 7.10.3301.162847.20070927153007 | AS Java | 2008-09-03 13:26 |
| | | | | |
| | | | | |
| | | | | |

After running SLD Content Synchronization all application systems, PI system of SLD B populated into SLD A

SAP NetWeaver™ System Landscape Directory

Home Administration Log Off Help System: CE8

View and Define Systems and Servers

Technical Systems

Technical System Type: All Application Systems (6) Filter: Go

New Technical System... Remove Export Refresh

| Name | Host | Version | Type | Last Update |
|------------------|-----------|---------------------------------|---------|------------------|
| BI7 on igincrm | igincrm | 7.00 patchlevel 109044.44 | AS Java | 2007-11-08 10:53 |
| CE3 on test | test | 7.10.3301.162847.20070927153007 | AS Java | 2008-06-28 00:07 |
| CE8 on igc5b045a | igc5b045a | 7.10.3301.162847.20070927153007 | AS Java | 2008-09-03 13:26 |
| EC6 on iginecc6 | iginecc6 | 700 | AS ABAP | 2008-06-05 21:49 |
| EC6 on iginecc6 | iginecc6 | 700 | AS ABAP | 2008-04-25 13:14 |

SAP NetWeaver™ System Landscape Directory

Home Administration Log Off Help System: CE8

View and Define Systems and Servers

Technical Systems

Technical System Type: Process Integration (5) Filter: Go

New Technical System... Remove Export Refresh

| Name | Type | Domain | Application System | Last Update |
|---------------------------------------|------------------------------|----------------|--------------------------------|------------------|
| Adapter Engine on bi7.igincrm | XI Adapter Framework | Domain igincrm | BI7 on igincrm | 2008-09-03 15:45 |
| Domain igincrm | XI Domain | Domain igincrm | | 2008-09-03 15:44 |
| Integration Repository on bi7.igincrm | XI Integration Repository | Domain igincrm | BI7 on igincrm | 2008-09-03 15:45 |
| Integration Server on igincrm | XI Integration Server | Domain igincrm | BI7 on igincrm | 2008-09-03 15:45 |
| RWB on bi7.igincrm | XI Runtime Management Server | Domain igincrm | BI7 on igincrm | 2008-09-03 15:45 |

Related Content

For more information, visit the [Landscape Design and Architecture homepage](#).

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/b09fe69e-46be-2a10-9fb0-9c11aeaa3557>

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/300e3ca7-31cd-2a10-a6ba-87c7447d5fd7>

<http://www.sdn.sap.com/irj/sdn/nw-sld>

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