Master Guide
SAP Landscape Transformation
Document Version: 3.4 – 2018-01-16

CUSTOMER

SAP Landscape Transformation Version 2



Typographic Conventions

Type Style	Description
Example	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Textual cross-references to other documents.
Example	Emphasized words or expressions.
`EXAMPLE`	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
`Example`	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
`Example`	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
`<Example>`	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
`EXAMPLE`	Keys on the keyboard, for example, `F2` or `ENTER`.

Document History

Version	Date	Change
2.4	2013-03-21	Updates to Reflect SAP Landscape Transformation Version 2 Support Package 04
2.5	2013-08-08	Updates to Reflect SAP Landscape Transformation Version 2 Support Package 05
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1 Getting Started

1.1 About this Document

Purpose

This Master Guide is the central starting point for the technical implementation of SAP Landscape Transformation. You can find cross-scenario implementation information as well as scenario-specific information in this guide.

> **Note**
>
> The central starting point for the **technical upgrade** of your SAP application is the Master Guide, which you can find on SAP Service Marketplace at http://service.sap.com/instguides.

Use the Master Guide to get an overview of SAP Landscape Transformation, its software units, and its scenarios from a technical perspective. The Master Guide is a planning tool that helps you to design your system landscape. It refers you to the required detailed documentation, mainly:

- Installation guides for single software units
- SAP Notes
- Configuration documentation
- SAP Library documentation

> **Note**
>
> You can find the most current information about the technical implementation of SAP Landscape Transformation and the latest installation and configuration guides on SAP Service Marketplace at http://service.sap.com/instguides.
>
> We strongly recommend that you use the documents available here. The guides are regularly updated.

Constraints

- The transformation solutions that are presented here serve as examples of how you can use SAP software in your company. The transformation solutions are only intended as models and do not necessarily run the way they are described here in your customer-specific system landscape. Ensure that you check your requirements and systems to determine whether these solutions can be used productively at your site. Furthermore, we recommend that you test these solutions thoroughly in your test systems to ensure they are complete and free of errors before going live.
- This Master Guide primarily discusses the overall technical implementation of SAP Landscape Transformation, rather than its subordinate components. This means that additional software dependencies might exist without being mentioned explicitly in this document. You can find more information on component-specific software dependencies in the corresponding installation guides.

1.2 Related Information

1.2.1 Planning Information

For more information about planning topics not covered in this guide, see the following content:

Content	Location
Latest versions of installation and upgrade guides	http://service.sap.com/instguides
General information about SAP Landscape Transformation	http://help.sap.com/saplt
Sizing, calculation of hardware requirements - such as CPU, disk and memory resource - with the Quick Sizer tool	http://service.sap.com/quicksizer
Released platforms and technology-related topics such as maintenance strategies and language support	http://service.sap.com/platforms To access the Platform Availability Matrix directly, enter http://support.sap.com/pam
Network security	http://service.sap.com/securityguide
High Availability	http://scn.sap.com/docs/DOC-7848
Performance	http://service.sap.com/performance
Information about Support Package Stacks, latest software versions and patch level requirements	http://support.sap.com/sp-stacks
Information about Unicode technology	http://scn.sap.com/community/internationalization-and-unicode

1.2.2 Further Useful Links

The following table lists further useful links:

Content	Location
Information about creating error messages	http://support.sap.com/incident
SAP Notes search	http://support.sap.com/notes

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Content	Location
SAP Software Distribution Center (software download and ordering of software)	http://support.sap.com/swdc
SAP Online Knowledge Products (OKPs) – role-specific Learning Maps	http://service.sap.com/rkt

1.3 Important SAP Notes

You must read the following SAP Notes before you start the installation. These SAP Notes contain the most recent information on the installation, as well as corrections to the installation documentation.

Make sure that you have the up-to-date version of each SAP Note, which you can find on SAP Support Portal at http://support.sap.com/notes.

SAP Note Number	Title	Description
1465272	General note for SAP Landscape Transformation software	This SAP Note provides a general overview about SAP Landscape Transformation Notes related to the SAP Landscape Transformation software, with a special focus on available transformation solutions.
1577441	Installation and delta upgrade of DMIS 2011_1	Installation of this add-on is a requirement for installation and use of SAP Landscape Transformation software. This SAP Note describes the installation procedure.
1577503	Upgrade to DMIS 2011_1 in the system switch upgrade	Installation of this add-on is a requirement for installation and use of SAP Landscape Transformation software. This SAP Note describes the installation procedure.
1618947	Installation or upgrade of SHC_CONT 2011_1_700	Installation of this add-on is a requirement for installation and use of SAP Landscape Transformation software. This SAP Notes describes the installation procedure.

SAP Note Number	Title	Description
1527123	Import of Support Packages	This SAP Note comprises specific considerations that are relevant for applying support packages while using SAP Landscape Transformation or other DMIS based applications.
1527404	SAP Landscape Transformation Basis Technology and Work Center (SAP Landscape Transformation 1.0)	This SAP Note comprises specific considerations and known issues related to the SAP Landscape Transformation basis technology and SAP Landscape Transformation work center.
1642626	SAP Landscape Transformation Basis Technology and Work Center (SAP Landscape Transformation 2.0)	This SAP Note comprises specific considerations and known issues related to the SAP Landscape Transformation basis technology and SAP Landscape Transformation work center.
1454883	Information for customers with specific requirements	This SAP Note provides further information for customers with specific requirements in their landscape transformation project.
1463386	Registration of go-live weekend	This SAP Note provides details about SAP's recommendation to register for development support at the go-live weekend (productive conversion/migration).
1823167	SAP LT - Key Success Factors for Projects	This SAP Note details key success factors for running SAP Landscape Transformation projects.
1892481	Conflicting Generated Objects using DMIS-based Applications	This SAP Note details how to avoid conflicting generated objects if multiple DMIS-based applications installed on separate control systems are connected to the same source or target systems.
1972498	SAP Landscape Transformation Setup	This SAP Note contains detailed information about the

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SAP Note Number	Title	Description
	Information	setup process for SAP Landscape Transformation.
2205151	SAP LT 2.0 with SAP HANA Database	This SAP Note outlines several considerations regarding data aging, CDS views, and the conversion of cluster tables.

2 SAP Landscape Transformation Overview

2.1 Overview of SAP Landscape Transformation

SAP Landscape Transformation (SAP LT) software supports SAP customers to effectively manage the impact on the existing SAP landscape for any business or IT-driven transformation requirements.

SAP Landscape Transformation 2.0 is available in English and German (except project roadmaps – only available in English) and covers SAP R/3 Enterprise 4.7 to SAP ERP 6.0. SAP Industry solutions, SAP Simple Finance for SAP ERP 6.0 EHP 7, and SAP S/4HANA (code line 1511 and onwards) are not covered. We recommend that you check with SAP regarding restrictions for your specific Industry Solution.

In addition, the following parts of SAP ERP are **NOT** covered by SAP Landscape Transformation:

- Joint Venture Accounting
- PLM
- Environment, Health & Safety
- FI-AF* Down Payment Chains
- FSCM Financial Supply Chain Management, incl. Treasury Management
- Incentive & Commissions Management
- Learning Solution
- Real Estate Management

The SAP Landscape Transformation software provides several transformation solutions in the following areas:

- Leverage Sell, Buy, and Restructure
- Unify and Transform Data
- Consolidate and Reduce IT cost
- Analyses

> **Note**
>
> If you are using SAP Landscape Transformation 2.0 with SAP ERP 6.0 (EHP 7 or higher) and SAP HANA, there are important considerations regarding data aging, CDS views, and the conversion of cluster tables. For more information, see SAP Note 2205151.

SAP Landscape Transformation serves as a new process in SAP's Application Lifecycle Management concept – leveraging and integrating with key features of SAP Solution Manager. The detailed scope of SAP Landscape Transformation software 2.0 is outlined in section 2.2 - Transformation Solutions.

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The software can assist you in the evaluation phase by analyzing the current situation, and identifying an appropriate transformation solution for adapting the existing SAP system landscape.

The SAP Landscape Transformation work center is the central cockpit that allows you to manage the impact that the transformation solutions have on the existing SAP landscape. Furthermore, the SAP Landscape Transformation software provides guidance through predefined project roadmaps.

After the identification of relevant transformation solutions, the analysis and the technical execution of any required changes in the affected SAP system landscape - using proven SAP conversion and migration technologies – is performed in an SAP Landscape Transformation project.

2.2 Transformation Solutions

With SAP Landscape Transformation, SAP offers a holistic solution providing services and software. SAP Landscape Transformation software 2.0 includes transformation solutions for the following:

- Leverage Sell, Buy, and Restructure
- Unify and Transform Data
- Consolidate and Reduce IT Cost
- Analyses

The subsequent chapters describe the key use cases and important considerations for the transformation solutions in SAP Landscape Transformation 2.0.

2.2.1 Leverage Sell, Buy, and Restructure

The transformation solutions for Leverage Sell, Buy and Restructure support the realization of divestitures and internal reorganization by fully aligning affected system landscapes, and as a result guarantees agility through cost-effective implementation of organizational changes.

The following transformation solutions are included with SAP Landscape Transformation 2.0:

Transformation Solution	Description	Additional Information
Company Code Deletion	• You can locate and delete customer-specific data in the system that is directly or indirectly assigned to the relevant company code. • It ensures that irrelevant data is deleted, that relevant data (SAP and customer-specific data) is kept, and that the	See details in SAP Note 1462004

Transformation Solution	Description	Additional Information
	systems remain intact.	
Profit Center Reorganization	• Changes the assignment of profit centers to objects (such as material, orders, purchase orders and sales orders) on a key date in the future (start of period). Available scenarios: Merge, Split, and Change of Profit Centers. • Reassigned objects have their balances transferred in the new General Ledger Accounting. All steps are logged and are therefore verifiable. • Performs the reorganization process in a well-defined process using a role based UI in a single point of administration which allows you to involve all related parties. • Profit center reporting can be performed consistently in the new General Ledger Accounting both before and after the profit center assignment is changed.	See details in SAP Note 1534197
Segment Reorganization	• You want to change the segment structure (this is usually triggered by a management decision). • Changing the segment structure means changing the assignment of segments to profit centers.	Based on SAP ERP 6.0 – EHP06 and new G/L – see details in SAP Note 1686874
Company Code Merge	• The participating company codes are merged. • The descriptions (texts) for company codes can be changed during the conversion. • It is possible to harmonize CO master data (cost centers and profit centers) by including a related merge or rename functionality.	See details in SAP Note 1589619

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Transformation Solution	Description	Additional Information
Controlling Area Merge	• The participating controlling areas are merged. • Controlling Area Merge includes Profit Center Merge and Cost Center Merge. • The descriptions (texts) for business process, activity types, cost centers, profit centers and controlling areas can be changed during the conversion. • It is possible to harmonize CO master data (cost centers and profit centers) by including a related merge or rename functionality.	See details in SAP Note 1589622
Cost Center Conversion	• It is possible to rename cost centers (1:1 relation). Example: Cost center 12345678 becomes 23456789. • It is possible to merge cost centers (n:1 relation). Example: Cost centers 1234567 and 2345678 are merged into a new, joint cost center 1234567. • The descriptions (texts) for cost centers can be changed during the conversion. • Cost centers can be changed differently in each controlling area.	See details in SAP Note 1589673
Profit Center Conversion	• It is possible to rename profit centers (1:1 relation). Example: Profit center 1000 becomes 2222. • It is possible to merge profit centers (n:1 relation). Example: Profit centers 1000 and 2000 are merged into a new, joint profit center 3000. • The descriptions (texts) for profit centers can be changed during the conversion. • Profit centers can be changed differently in each controlling	See details in SAP Note 1589675

Transformation Solution	Description	Additional Information
	area.	

2.2.2 Unify and Transform Data

The transformation solutions for Unify and Transform Data allow you to unify and simplify financial and controlling processes by analyzing and transforming data - for example to improve transparency in financial reporting, implement corporate standards or meet legal requirements.

Transformation Solution	Description	Additional Information
Chart of Accounts Conversion	• Chart of Accounts can be renamed, restructured, and merged. • The descriptions (texts) for accounts, chart of accounts can be changed during the conversion. • Accounts and cost elements can be converted 1:1 or n:1 (merge), but splitting is not possible. • Mapping checks, log with messages classified according to severity. • Related structures such as P&L structure, balance sheet structure, and account groups are checked.	See details in SAP Note 1461700
Controlling Area Rename	• You can rename controlling areas (1:1 relationship). • The descriptions (texts) for controlling areas can be changed during the conversion. • A swap of controlling areas is also possible. Example: Old controlling area 0001 will become 0002, while old controlling area 0002 will become 0003 or old	See details in SAP Note 1589620

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Transformation Solution	Description	Additional Information
	controlling area 0001.	
Company Code Rename	• You can rename company codes (1:1 relationship). • The descriptions (texts) for company codes can be changed during the conversion. • A swap of company codes is also possible. • Example: Old company code 0001 will become 0002, while old company code 0002 will become 0003 or old company code 0001.	See details in SAP Note 1589618
Fiscal Year Conversion	• All fiscal years – including past ones – are reduced by one during the fiscal year conversion. • Reduction of fiscal years by two or increasing the fiscal year by one is also possible. • A fiscal year conversion can be done either for all company codes in a client or only for selected ones (if all of them use the same fiscal year variant).	See details in SAP Note 1591805
Asset Class Conversion	• The descriptions (texts) for asset classes can be changed during the conversion. • It is possible to rename asset classes (1:1 relation). • It is possible to merge asset classes (n:1 relation).	See details in SAP Note 1589573
Conversion of Asset Account Determination	• The descriptions (texts) for asset account determination can be changed during the conversion. • It is possible to rename asset account determinations (1:1 relation). • It is possible to merge asset account determinations (n:1 relation).	See details in SAP Note 1589574
Cost Center Conversion	• It is possible to rename cost	See details in SAP Note

Transformation Solution	Description	Additional Information
	centers (1:1 relation). Example: Cost center 12345678 becomes 23456789. • It is possible to merge cost centers (n:1 relation). Example: Cost centers 1234567 and 2345678 are merged to a new, joint cost center 1234567. • The descriptions (texts) for cost centers can be changed during the conversion. • Cost centers can be changed differently in each controlling area.	1589673
Profit Center Conversion	• It is possible to rename profit centers (1:1 relation). Example: Profit center 1000 becomes 2222. • It is possible to merge profit centers (n:1 relation). Example: Profit centers 1000 and 2000 are merged into a new, joint profit center 3000. • The descriptions (texts) for profit centers can be changed during the conversion. • Profit centers can be changed differently in each controlling area.	See details in SAP Note 1589675
Vendor Number Conversion	• It is possible to rename vendor numbers (1:1 relation). • It is possible to merge vendor numbers (n:1 relation). • You can also move a complete set of customer numbers from one number range to another (predefined rule). • A combination of predefined rules and individual mapping assignments is possible.	See details in SAP Note 1591809
Customer Number Conversion	• It is possible to rename customer numbers (1:1 relation). • It is possible to merge	See details in SAP Note 1591808

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Transformation Solution	Description	Additional Information
	customer numbers (n:1 relation). • You can also move a complete set of customer numbers from one number range to another (predefined rule). • A combination of predefined rules and individual mapping assignments is possible.	
Material Number Rename	• It is possible to rename material numbers (1:1 relation). • The descriptions (texts) for material numbers can be changed during the conversion. • You can also move a complete set of material numbers from one number range to another (predefined rule). • You can convert material numbers to lexicographical display. • A combination of predefined rules or change to lexicographical display and individual mapping assignments is possible.	See details in SAP Note 1591807
Personnel Number Rename	• It is possible to rename personnel numbers based on rules. • It is possible to rename personnel numbers based on individual mapping values. • A combination of rules and mapping values is possible.	

2.2.3 Consolidate and Reduce IT Costs

Transformation Solution	Description	Additional Information
Client Transfer	• High speed transfer of clients from one or more sender	See details in SAP Note 1462006

Transformation Solution	Description	Additional Information
	system to a single receiver system (to create a multi-client system). • Transfer across releases, and from non-Unicode to Unicode is possible (transfer, upgrade, and Unicode conversion within one project). • No client merge possible. • No business harmonization. • Database update is done table by table, and can be rolled back in case of errors. • Go-live can be realized on any weekend, is not related to a key date.	
Shell Creation	• Create a copy of a system that has a considerably reduced data volume. • By default, the complete client 000 is copied. Other clients can also be included. • Any included clients in the new shell system will be exact copies of the original system clients. • Typically, the new shell system is used as a receiver system for different transformation solutions.	See details in SAP Note 2030760
SAP ERP HCM System Integration	• Integrate your SAP HCM solution into your SAP ERP system (for example in order to simplify your system landscape). • Transfer HCM data by selecting the relevant HCM tables (an HCM knowledge base is available to identify HCM tables).	See details in SAP Note 1830766
SAP ERP HCM System Merge	• Merge one or more SAP HCM systems into an existing one. • Transfer HCM data by selecting	See details in SAP Note 1830766

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Transformation Solution	Description	Additional Information
	the relevant HCM tables (an HCM knowledge base is available to identify HCM tables). • Data conversions are typically required.	
SAP ERP HCM System Carve-Out (with Different Releases / with Matching Releases)	• Move your SAP HCM solution from a central SAP ERP system to an empty standalone SAP HCM system • Transfer HCM data by selecting the relevant HCM tables (an HCM knowledge base is available to identify HCM tables) • Integrated upgrade is possible.	See details in SAP Note 1830766
SAP ERP HCM System Split (with Different Releases / with Matching Releases)	• Move a subset of SAP ERP HCM data (for example, only certain employee IDs or all employees of a determined organizational unit) from a source system to a target system. • Transfer HCM data by selecting the relevant HCM tables (an HCM knowledge base is available to identify HCM tables). • Integrated upgrade is possible.	See details in SAP Note 1830766
SAP ERP HCM Data Deletion	• Delete HCM data in the sender system (for example after a HCM Carve-Out or HCM Split). • You can choose to delete all the HCM tables that were migrated in a previously executed SAP LT HCM transformation project, or adjust the selection.	See details in SAP Note 1830768

2.2.4 Analyses

The transformation solutions for Analyses are mainly used for the transformation solutions described above. However, some of them can be also leveraged as a “standalone” analysis with the focus to identify opportunities for reducing total cost of operations.

The following analyses are included with SAP Landscape Transformation 2.0:

Transformation Solution	Description
Customizing Comparison	With the Customizing comparison, you can use tools to identify missing and conflicting objects in the client-independent Customizing (cross-client Customizing).
Repository Comparison	With the repository comparison, you can use methods to identify missing and conflicting objects in the repository.
Number Range Object Comparison	You can identify overlapping current and potential number range objects for scenarios such as system consolidation or for object-based transformations.
SAP NetWeaver Analysis	Purely for purposes of taking stock of the situation in the course of an intended system optimization, you can use SAP NetWeaver to first gain an overview of the attributes of the systems in order to identify the potential for future optimization measures. For example, you can use the results list of the analysis to decide which of the customer-defined developments implemented is actually used. You can lower your TCO by reducing the number of customer-defined developments not used.
ECC Business Application Analysis	You can perform generic stocktaking of all the data relevant for the ERP Central Component (ECC) within your system landscape in order to identify potential areas for optimization.
Company Code Object Analysis	With the company code object analysis, you can analyze more closely one or more company codes with regard to the company code-specific characteristic values.
Coding Scan	You can use the coding scan to search the coding of the customer-defined programs for all specific SAP system character strings and display them in a result list.
Number Range Object Analysis	With the analysis for number range objects, you can analyze the number range objects for the company codes involved, for example, within a company code merge. Since duplicate document numbers can occur as the result of a company code merge, document numbers must be renumbered during the conversion. The analysis for number range objects analyzes the initial situation and shows the need for action for the maintenance

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Transformation Solution	Description
	of rules for renumbering.
Archive Analysis	With archive analysis, you can check whether existing archiving runs must be taken into account in conjunction with a conversion project.
Runtime Estimation	With runtime estimation, you can estimate the system lock caused by a conversion project.
SAP NetWeaver BW Analysis	During a conversion project, you can use the SAP NetWeaver BW analysis to investigate the complexity and workload involved in scheduled conversions in the SAP NetWeaver BW system. You obtain a general overview of the data relevant to the changeover.
SAP ERP HCM Object Analysis	Analyzes all relevant SAP ERP HCM objects in the system, as well as the relevant SAP ERP HCM Customizing data in a system. Allows you to estimate the complexity and workload for an SAP LT HCM transformation project.

2.3 System Landscape

The SAP Landscape Transformation software consists of two add-ons, DMIS 2011 and SHC_CONT 2011, which are deployed by means of the standard add-on installation procedures. For more information, see the following SAP Notes:

SAP Note	
1577441	Installation and delta upgrade of DMIS 2011_1
1577503	Upgrade to DMIS 2011_1 in the System Switch Upgrade
1618947	Installation or upgrade of SHC_CONT 2011_1_700

> **Note**
>
> If you have previously run an SAP System Landscape Transformation project (using SLOP transports, not with SAP LT 1.0) in the system in which the SAP Landscape Transformation add-on DMIS should be installed, we recommend that you delete the conversion workbench objects before you install the DMIS add-on. For more information, see SAP Note 638258.

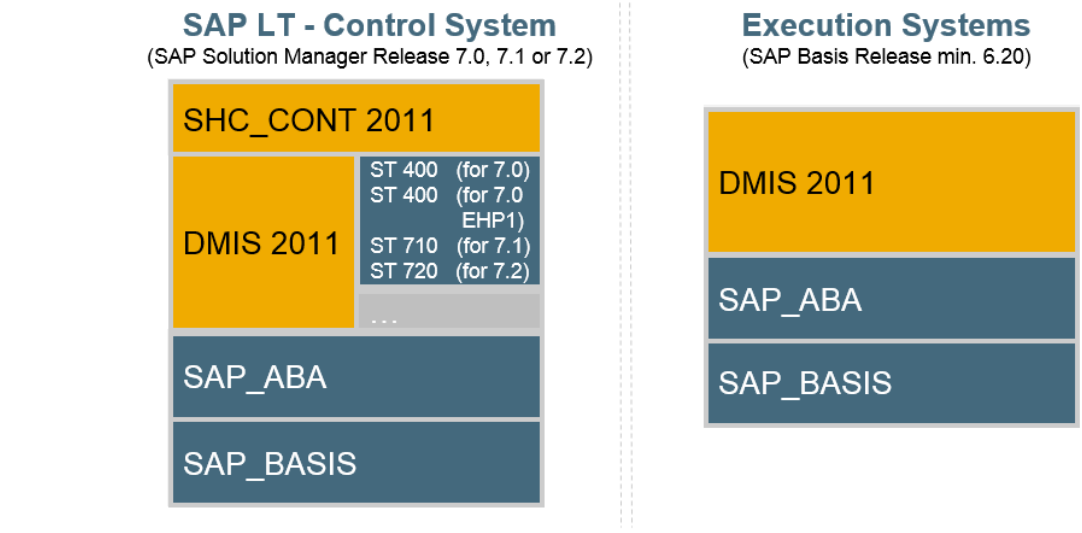
SAP Landscape Transformation runs on a SAP Solution Manager system. The SAP Solution Manager system represents the control system that you use to manage a SAP Landscape Transformation project. For more information, see section 3.4 - SAP Landscape Transformation System Roles.

The add-ons DMIS 2011 and SHC_CONT_2011 must be installed in the SAP Solution Manager System in order to use the functionality provided with the SAP Landscape Transformation work center. For the add-on SHC_CONT_2011, SAP Solution Manager (ST 400) with SP15 is a technical prerequisite – however no additional basis configuration within SAP Solution Manager is required to get started with SAP Landscape Transformation software.

In the other SAP systems affected by the SAP Landscape Transformation project (execution systems), only the installation of the add-on DMIS 2011 is required. The affected systems must be between release 6.20 and 710.

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The following figure illustrates the minimum system landscape required:



DMIS Component Versions:

SAP Basis Release	6.20	6.40	7.00 – 7.02	7.10	7.30	7.31	7.40	7.50
DMIS 2011	2011_1_620	2011_1_640	2011_1_700	2011_1_710	2011_1_730	2011_1_731	2011_1_731	2011_1_731

Minimum system landscape for SAP Landscape Transformation 2.0

For more information about how the system landscape could look for specific transformation solutions, see section 3.5 - SAP Landscape Transformation System Landscapes Types.

3 Using the SAP Landscape Transformation Software

3.1 Getting the Software

After you purchase the SAP Landscape Transformation software, you can download it from the SAP Software Download Center (http://support.sap.com/swdc).

To download the add-ons for installation / upgrade, see SAP Software Download Center at http://support.sap.com/swdc → Installation and Upgrades – Browse our Download Catalog → SAP Technology Components → SAP Landscape Transformation.

To download the related support packages, go to SAP Software Download Center at http://support.sap.com/swdc → Support Packages and Patches – Browse our Download Catalog → SAP Technology Components → SAP Landscape Transformation

We recommend applying the latest available support package level. See SAP Note 1527123 for potential implications.

3.2 Installation and Basic Configuration

3.2.1 Installation

SAP Landscape Transformation runs on a SAP Solution Manager system. The SAP Solution Manager system represents the control system that you use to manage a SAP Landscape Transformation project. The analysis or transformation (for example conversion or migration) processes run in execution systems.

The SAP Landscape Transformation software must therefore be installed in the control system (SAP Solution Manager system) and the relevant execution systems. The SAP Landscape Transformation software consists of two add-ons. For detailed installation information, see section 2.3 - System Landscape.

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3.2.2 Configuration

The following basic configuration steps are required for SAP Landscape Transformation 2.0:

Configuration Step	Description
Activate SAP Landscape Transformation-related Web Dynpro Services	Use transaction SICF to activate all services related to LTS and BTP
Assign roles and authorizations to users	For more information, see the SAP Landscape Transformation Security Guide in the SAP Help Portal under: http://help.sap.com/saplt → SAP Landscape Transformation 2.0 → Security Information →Security Guide

Depending on your requirements, the following additional configuration steps may be required:

Configuration Step	Description
Installation of transformation solution Profit Center Reorganization	If you plan to use the transformation solution Profit Center Reorganization, additional configuration steps apply. For more information, see SAP Note 1534197.

3.3 Front-end Client

The SAP Landscape Transformation software uses the SAP NetWeaver Business Client (NWBC) as a front-end client. SAP Landscape Transformation supports the NWBC releases 3.0, 3.5, and 4.0. For more information about requirements and restrictions, see the following SAP Notes:

SAP Note Number	Description
1029940	SAP NetWeaver Business Client requirements and restrictions
1368177	SAP NWBC v3.0 Release on NW7.00 and NW701
1620514	NWBC 3.5 for Desktop: Prerequisites and Restrictions
1754946	NWBC 4.0 Desktop: Prerequisites and Restrictions

3.3.1 Installation and Configuration

For information about configuration and installation, see SAP Note 900000.

For more information about the NetWeaver Business Client, including configuration and installation information, see help.sap.com → SAP NetWeaver → SAP NetWeaver Platform → SAP NetWeaver 7.0 → Application Help → SAP Library → Getting Started - Using SAP Software → SAP NetWeaver Business Client

3.3.2 Recommendations

We recommend that you work with SAP NetWeaver Business Client 3.5 or 4.0. Alternatively, SAP Landscape Transformation can also be accessed by using transaction LTS (Web Dynpro-based UI).

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3.4 SAP Landscape Transformation System Roles

SAP Landscape Transformation projects require different system roles, depending on whether the transformation solution involves the conversion of data, or the migration of data.

3.4.1 System Roles for Transformation Solutions Involving Conversions

Transformation solutions that involve the conversion of data (for example Chart of Accounts Conversion) typically require the following system roles:

Control System

The system that controls the conversion. The control system is generally the SAP Solution Manager system where the SAP Landscape Transformation software is installed, and that connects to both the test and productive execution systems. The control system is a separate system to the execution system.

Execution System

The system in which the conversion processes are executed remotely from the control system. From a single control system, you can execute a transformation in several execution systems.

Note that, depending on the stage of the project, the execution system can be a production system, or a test system that is a current copy of the production system.

3.4.2 System Roles for Transformation Solutions Involving Migrations

Transformation solutions that involve the migration of data (for example Client Transfer) typically require the following system roles:

Control System

The system that controls the migration. The control system is generally the SAP Solution Manager system in which the SAP Landscape Transformation software is installed, and that connects to both the test and productive sender and receiver systems.

Central System

An additional system that allows to optimize performance and to balance the system load during the data migration phase of a migration project. The central system must be a system that is dedicated to running the transformation solution only - no other applications or programs are permitted.

If you use a SAP Solution Manger system exclusively as the control system for the transformation solution, and the system has sufficient capacity, then the control system can also be used as the central system.

Sender and Receiver Systems

Data is migrated from a sender system to a receiver system.

Note

For test migrations, you need a copy of the sender system, and a copy of the receiver system.

Upgrade Reference System

If your migration project involves an upgrade, the system needs the information about how to upgrade the source client to the level of the target client. This requires an upgrade reference system that has already gone through the standard SAP upgrade process, and therefore provides the release difference between the sender system and the receiver system.

The upgrade reference system is the environment in which an identical upgrade was done. Therefore, it must contain all the differences between the sender and the receiver with regard to software components, add-ons, release, and the support package levels. Application data is not relevant, you can even use an empty system.

3.5 SAP Landscape Transformation System Landscapes Types

Different technical system landscapes are required for the transformation solutions that are part of SAP Landscape Transformation 2.0.

For each system that is part of a system landscape, the definition of the respective RFC destinations is required.

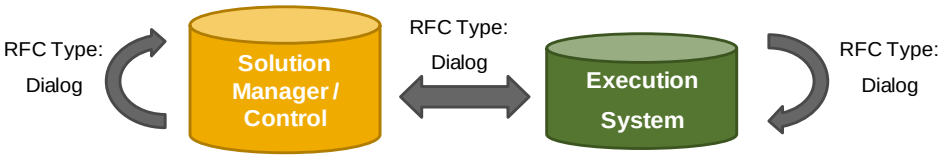
In general, the majority of the transformation solutions use a system setup with one control system and one execution system. However, depending on the transformation solution, other system landscape types may be required.

In the SAP Landscape Transformation work center, a guided procedure and predefined templates assist you with the creation of the specific landscape type.

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3.5.1 System Landscape with Control System (SAP Solution Manager System) and Execution System

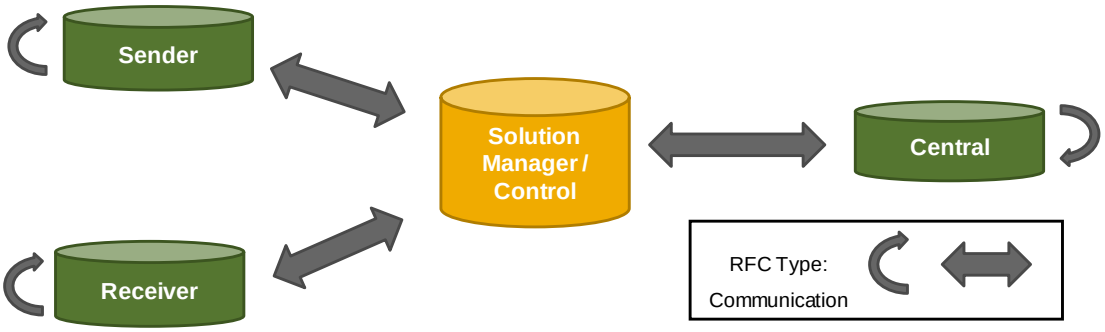
The majority of the transformation solutions use this system setup with one control system and one execution system. For every connection between these two systems, a RFC connection with a dialog user is required.



System Landscape with Control System and Execution System

3.5.2 System Landscape for Client Transfer without Upgrade

For the transformation solution Client Transfer (without an upgrade), RFC connections to a sender, receiver and central system are required.

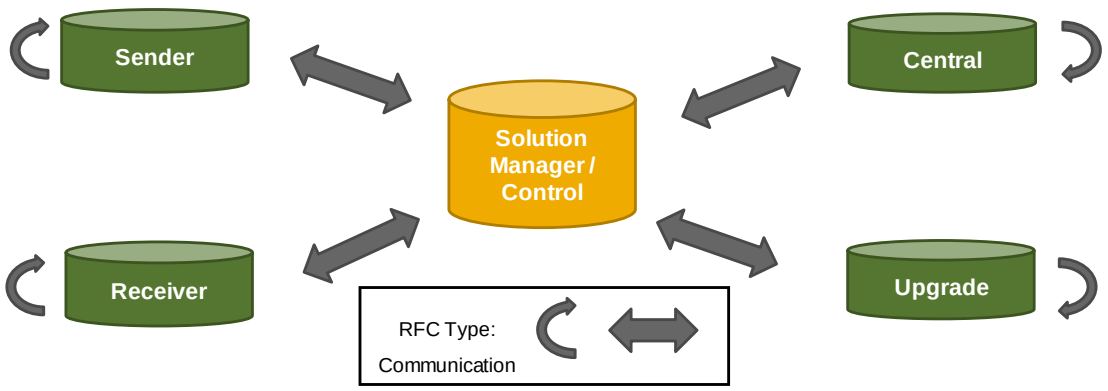


System Landscape for Client Transfer without Upgrade

In addition, the control system must also have a destination that is directed to itself (note that the use of the destination NONE is not possible). All RFC connections must be of type Communication.

3.5.3 System Landscape for Client Transfer with Upgrade

For a client transfer that involves an upgrade, RFC connections to a sender, receiver, upgrade and central system are necessary.



System Landscape for Client Transfer with Upgrade

In addition, the control system must also have a destination that is directed to itself (note that the use of the destination NONE is not possible). All RFC connections must be of type Communication.

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3.6 System Downtime

Downtime is defined as the period of time where data is changed at database level in order to fulfill the requirements of the relevant transformation solution. During downtime the system is not in productive use, and database logging is not active. Database tables are changed during downtime, for example tables are deleted and updated. This means that the system is in an inconsistent state during downtime. Therefore any reports created, or any tables downloaded during downtime must be considered inconsistent.

Note that during downtime users are not permitted to work in the system. However, SAP can register basis users for the project, and they can monitor the status of the project when the system is in normal productive use, and during downtime.

4 References

List of Documents

The following table lists all documents mentioned in this Master Guide.

Title	Where to Find
SAP Landscape Transformation Security Guide	http://help.sap.com/saplt → SAP Landscape Transformation 2.0 → Security Information →Security Guide
SAP Landscape Transformation Application Help	http://help.sap.com/saplt → SAP Landscape Transformation 2.0 → Security Information

List of SAP Notes

The following table lists all SAP Notes mentioned in this Master Guide.

SAP Note Number	Title	Description
1462004	Transformation Solution Company Code Deletion	Information about the transformation solution Company Code Deletion
1534197	Transformation Solution Profit Center Reorganization	Information about the transformation solution Profit Center Reorganization
1686874	Transformation Solution Segment Reorganization	Information about the transformation solution Segment Reorganization
1589619	Transformation Solution Company Code Merge	Information about the transformation solution Company Code Merge
1589622	Transformation Solution Controlling Area Merge	Information about the transformation solution Controlling Area Merge
1589673	Transformation Solution Cost Center Conversion	Information about the transformation solution Cost Center Conversion
1589675	Transformation Solution Profit Center Conversion	Information about the transformation solution Profit Center Conversion
1461700	Transformation Solution Chart of Accounts Conversion	Information about the transformation solution Chart of Accounts Conversion
1589620	Transformation Solution Controlling Area Rename	Information about the transformation solution Controlling Area Rename

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SAP Note Number	Title	Description
1589618	Transformation Solution Company Code Rename	Information about the transformation solution Company Code Rename
1591805	Transformation Solution Fiscal Year Conversion	Information about the transformation solution Fiscal Year Conversion
1589573	Transformation Solution Asset Class Conversion	Information about the transformation solution Asset Class Conversion
1589574	Transformation Solution Conversion of Asset Account Determination	Information about the transformation solution Conversion of Asset Account Determination
1589673	Transformation Solution Cost Center Conversion	Information about the transformation solution Cost Center Conversion
1589675	Transformation Solution Profit Center Conversion	Information about the transformation solution Profit Center Conversion
1591809	Transformation Solution Vendor Number Conversion	Information about the transformation solution Vendor Number Conversion
1591808	Transformation Solution Customer Number Conversion	Information about the transformation solution Customer Number Conversion
1591807	Transformation Solution Material Number Rename	Information about the transformation solution Material Number Rename
1577441	Installation and delta upgrade of DMIS 2011_1	Information about DMIS 2011
1577503	Upgrade to DMIS 2011_1 in the System Switch Upgrade	Information about DMIS 2011
1618947	Installation or upgrade of SHC_CONT 2011_1_700	Information about SHC_CONT
1465272	General note for SAP Landscape Transformation software	This SAP Note provides a general overview about SAP Landscape Transformation Notes related to the SAP Landscape Transformation software, with a special focus on available transformation solutions.
1527123	Import of Support Packages	This SAP Note comprises specific considerations that are relevant for applying support packages while using SAP Landscape Transformation or other DMIS based applications.
1527404	SAP Landscape Transformation Basis Technology and Work Center (SAP Landscape	This SAP Note comprises specific considerations and known issues related to the SAP Landscape

SAP Note Number	Title	Description
	Transformation 1.0)	Transformation basis technology and SAP Landscape Transformation work center.
1642626	SAP Landscape Transformation Basis Technology and Work Center (SAP Landscape Transformation 2.0)	This SAP Note comprises specific considerations and known issues related to the SAP Landscape Transformation basis technology and SAP Landscape Transformation work center.
1454883	Information for customers with specific requirements	This SAP Note provides further information for customers with specific requirements in their landscape transformation project.
1463386	Registration of go-live weekend	This SAP Note provides details about SAP's recommendation to register for development support at the go-live weekend (productive conversion/migration).

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