INFOSESSION
Real-Time Data Replication with SAP Landscape Transformation Replication Server
Positioning - Pricing - Development News

AGS-SLO Product Management, SAP AG
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Agenda

- Current Status
- Positioning
- New Pricing
- Development News
- Technical Prerequisites & Sizing
- Summary
Current Status
## Current Status - SLT Adoption Summary (2013)

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<thead>
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<th>Installed Base</th>
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<td>NW7* SLT servers</td>
<td>Connected 6* source systems</td>
<td>Connected 4.6C source systems</td>
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<td>SAP internal</td>
<td>Course HA 200-350 participants</td>
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<td>Info-Blog Readers on favourite blog</td>
<td>Members in internal Community</td>
<td>Internal Consulting Threads</td>
<td>External Consulting Threads</td>
<td>Non-HANA requests at CoE</td>
<td></td>
</tr>
</tbody>
</table>
Positioning
SAP HANA Scenarios
Real-time high volume data integration from any source

Any Source
- SAP Business Suite
- Non-SAP Data Sources
- Cloud Deployments
- Complex Event Data Source
- Network Devices – Wired / Wireless
- Data Sources (HANA, IQ, ASE, Hadoop, Teradata)

Data Movement Over Networks
- Trigger-Based: SAP LT Replication Server
- Log-Based: SAP Sybase Replication Server
- ETL, Batch: SAP Data Services
- Event Streams: SAP Sybase Event Stream Processor
- Data Synchronization: SAP Sybase SQL Anywhere
- Data Virtualization: SAP HANA Smart Data Access

Transform and Persist Data
- ODBC
- Virtual Tables

SAP HANA Scenarios Diagram
Today – Strategic Development
Evolved and integrated solution as part of SAP’s RTDP strategy

SAP Real-Time Data Platform

- SAP Sybase ASE
  - High Performance OLTP
- SAP Sybase SQL
  - Anywhere
  - Mobile and embedded
- SAP Sybase ESP
  - Streams and continuous queries
- SAP Sybase IQ
  - Open Elastic EDW
- SAP Control Center
- In-memory/real-time
  - SAP HANA
- SAP PowerDesigner
  - Modeling
- Data Movement
  - / SAP Information Steward
  - information management

SAP Real-Time Data Platform foundations
- Cross-paradigm data access for new models of value discovery
- Hyper-performance on all classes of application and usage scenarios

Benefits
- Execute, record, analyze, and optimize without system limitations
- Embrace and extend across variations of data forms and processing models
- Common modeling, integrated development environment, shared systems management infrastructure, and deployment-independent solutions
- Trusted and unified data environment

*SAP LT Replication Server is part of SAP’s RTDP strategy and a cornerstone of the comprehensive data provisioning solutions to achieve real-time high volume data integration.

*Data Movement denotes SAP Data Services, SAP LT Replication Server, and SAP Sybase Replication Server
SAP Landscape Transformation Replication Server
Positioning and Benefits

SAP Landscape Transformation Replication Server (aka “SLT") is a perfect choice for all SAP HANA customers who need real-time or scheduled data replication from SAP and NON-SAP sources with the option to accomplish even complex data transformations on the fly.

- Allows real-time (and scheduled) data replication
- Ability to migrate data into HANA format while replicating data in real-time
- “Unlimited“ release coverage (from SAP R/3 4.6C onwards) sourcing data from ABAP based SAP applications
- Tight Integration into SAP’s ABAP Application Layer: Handling of cluster, pool tables and HR tables (INDX)
- Automatically non-Unicode to Unicode conversion during load/replication
- Table settings and transformation capabilities (e.g. data filtering, enrich table structure, anonymize data, etc.)
- Fully integrated with SAP HANA Studio (Data Provisioning and Data Modeler UI)
- Enhanced monitoring capabilities via SAP Solution Manager 7.1 SP5 onwards & mobile app SAP Replication Manager
New Pricing
Embedded Option:

Applies for all data load & replication scenarios where the relevant target system is covered by this license model:


Note: SAP HANA Pricing model changes in Q1/2014!

Dedicated SLT License Option:

If the replication target system is not covered by a HANA-based license (i.e. target system is a classical SAP Business Suite System, SAP BW into PSA, SAP BW via the ODP Framework or SLT Change-Data-Capturing for Data Services), a dedicated license for using SAP Landscape Transformation Replication Server is required:

- New simplified pricing model introduced for 2014: Only one single License Material number → 7016865
  → Can be immediately ordered (via SAP’s OnRequest price list) and will be visible on the official SAP price list by end of January 2014.

- Pricing metric is based on the CPU Cores utilized by the SLT Server itself
  → Pricing scales with the desired performance for a given data transfer volume and covers all released SLT business scenarios!
    • required cores can be easily determined by using the SLT Sizing Guide (both a simple T-Shirt size based sizing as well as more detailed formulas are available to determine the required system resources for the relevant use cases)
    • Discountable pricing, minimum 2 CORES,
Development News
DMIS 2011 SP6 / 2010 SP10
Overview: New Scenario with DMIS 2011 SP6

New Scenario

- Data loading and replication to any SAP ABAP-based System (via RFC) is now generally released. With SAP LT Replication Server you can sync your business data in real time among your SAP Business Suite and/or BW system landscape, while minimizing the necessary data transfer volume. With SAP Landscape Transformation Replication Server you can easily replace custom build data synchronization applications and benefit from the tight integration into the SAP Netweaver ABAP Application stack and data model. There is a fast growing number of modern SAP Business Suite Scenarios (i.e. SAP Financial Solution) powered by this technology to consolidate data among distributed systems.
Extended Scenarios with DMIS 2011 SP6
Data Provisioning for SAP Business Warehouse

**Scenario**
SAP LT Replication Server provides the operational data provisioning (ODP) infrastructure with source tables of ABAP- and non-ABAP systems as delta queues. The data from the delta queue can be replicated in SAP BW as a subscriber. A subscriber can have more than one subscription. A queue can also be in multiple subscriptions for the same subscriber.

**Value Proposition**
If you use operational data provisioning, you can load the data directly into the InfoProviders in SAP BW (bypassing the PSA layer) by using a DTP (Data Transfer Process). The ODP infrastructure (with delta queues) takes over important services such as monitoring data requests. The data is stored in a compressed state in the delta queue and is retained for a specified time period for recovery purposes. SAP BW can use this scenario with scheduled data transfer from ODQ as of SAP BW 7.30. A setup for real-time data transfer with Data Transfer Processes (DTP) into SAP BW data targets and RDA daemon is possible with SAP BW 7.40 SP5.

Starting with DMIS2011 SP6, ODP/SLT can be used for both ABAP- and non-ABAP source systems. Simple tables are covered as well as pool and cluster tables.
Extended Scenarios with DMIS 2011 SP6
Data Provisioning for SAP Data Services 4.2 SP1

Scenario
SAP Data Services 4.2 SP1 has been enhanced to integrate with SAP LT Replication Server (SLT) by leveraging the new version of ODP API. The existing extractor interface in Data Services has been replaced with ODP in the Object Library and Metadata browsing. SAP LT Replication Server enhances the Change Data Capturing scenario of SAP Data Services with real-time data provisioning and delta capabilities for all data sources, including source tables from all SAP system releases (4.6 C or higher) and non-ABAP systems.

Value Proposition
Before SAP Data Services was integrated with SAP LT Replication Server, the Change Data Capturing feature was dependent on the delta-capability of the data source itself and only covered SAP releases NW 7.00 or higher. This changes with SAP LT Replication Server, because with the trigger-based technology, every source table in ABAP systems starting with 4.6 C as well as data from non-ABAP source systems becomes delta-capable, facilitating the use of the Change Data Capturing scenario. In other words, SAP LT Replication Server brings real-time data provisioning and delta capability for all tables transferred with SAP Data Services via ODP.
Extended Scenarios with DMIS 2011 SP6

- 1:N Replication capability for non-ABAP/non-SAP Systems
  - Like with SAP source systems up to 4 target systems can consume one data source.

- The redesigned direct DB connection functionality for connecting to non-ABAP Sources offers the option to change from OpenSQL (ODBC) to ADBC standard
  - more flexibility on DB specific mapping and functions, i.e.
    - Settings table to override key field definition of source tables
    - Possibility to override default mapping of native types to ABAP types

- NetWeaver Business Client 4.0 enabled
Overview: New Features with DMIS 2011 SP6 (1 of 2)

- **Replication Logging**: Replicated records can be logged on the SLT system to repeat the replication for a certain time in case the target system needs to be recovered and replicated records are lost.
Overview: New Features with DMIS 2011 SP6 (2 of 2)

- New UI for simultaneously monitoring of several configurations on a central UI (transaction LTRO)
Overview: New Features with DMIS 2011 SP6 (2 of 2)

New UI to define Advanced Replication Settings (transaction LTRS replaces IUUC_REPLCONTENT!)
Overview: Enhancements / Improvements / Corrections with DMIS 2011 SP6

- Optimized calculation and improved monitoring of data transfer latency with configurable alert thresholds → Ensures fast data replication and quick reaction in case of any issues
Overview: Enhancements / Improvements / Corrections with DMIS 2011 SP6

- **Improved Support for data provisioning in/within/out of cloud scenarios** by controlling/restricting access to source tables on SLT System (SID) level or SLT Configuration (GUID) level.
  (Enhancement of control table IUUC_TAB_ALLOWED)
Overview: Enhancements / Improvements / Corrections with DMIS 2011 SP6

• Improvements on Replication Cockpit (LTRC):
  • PSA table name is displayed now
  • New Buttons in Selection Screen to start or stop all configurations
  • Link to other UIs (LTR, LTRC, LTRO) via pull down menu
  • New Delete Functions: Complete reset of a table in case available expert functions are not sufficient; Cleanup inconsistent objects
  • New Expert Functions: Display Table Information (e.g. Table Size) from source system (also for tables that are not started yet)

Simplified configuration of ODP Scenarios via activate function for ODQ Badi
Overview: Enhancements / Improvements / Corrections with DMIS 2011 SP6

- **Support of views in source objects**
  → Smarter data selection options, no need to identify the underlying technical entities of a view.

- **Filtering option for records in Source system**
  → A fast and resource saving method to reduce the amount of data to be transferred at the time of selection.

With DMIS 2011 SP6 a new table is available where Filter for the Initial Load and / or settings to parallelize the replication can be defined. The relevant entries in table DMC_ACSPL_SELECT have to be defined on the SLT systems.

### Filter Initial Load & Replication

You can enter filter criteria for any field of the source table. If you enter multiple filter criteria for one field you have to define a gating operator (AND / OR). If you define filter on multiple fields the filter from the individual fields will be concatenated with gating operator AND. If you define a filter for the replication also a filter on the DB trigger is recommended as otherwise the changes that don't fit to the filter criteria will not be handled and remain in the logging table.
Technical Prerequisites & Sizing
SAP LT Replication Server – Software Release Strategy

With HANA SPS05 & SPS06, two versions of SAP LT Replication Server are released

- SAP LT Replication Server 1.0 (based on Software Component Version DMIS 2010)
- SAP LT Replication Server 2.0 (based on Software Component Version DMIS 2011)

Technically both DMIS versions include the same coding level (no need for an upgrade)

- DMIS_2011 SP02 and DMIS_2010 SP07 (see also SAP Note 1709225)
- DMIS_2011 SP03 and DMIS_2010 SP08 (see also SAP Note 1759156)
- DMIS_2011 SP04 and DMIS_2010 SP09 (see also SAP Note 1824710)
- DMIS_2011 SP5 (see also SAP Note 1882433): No equivalent DMIS_2010 SP version in parallel!
- DMIS_2011 SP6 and DMIS_2010 SP10 (see also SAP Note 1958809)

Current status

- Since HANA SPS05, DMIS_2011 is released and recommended for all new installations (SAP LT Replication Server and SAP source systems).
- SAP customers who run other DMIS-based applications (that require DMIS_2010 in the SAP source system) can use DMIS_2010 in the source and/or SLT system. See also SAP Note 1691975.
- For HANA customers using SLT with DMIS_2010 the switch (“technically” an upgrade) to DMIS_2011 will be a non-disruptive event.
- The future SP release cycles of DMIS 2011 and DMIS_2010 will be different!
  → There will be no further code-equal DMIS2010 after SP10 … only bug fixing
Technical Prerequisites and System Set-Up Information for SAP LT Replication Server (with SAP HANA 1.0 SPS05 or higher)

**SAP / non-SAP Source system**
- SAP: Respective DMIS 2010/2011 version (DMIS 2011 SP2-6 or equiv.) (***)
- SAP: Minimum support pack level: SP07 (**)
- non-SAP: no software installation required

**Basic Configuration**
- Optional: define separate table space for logging tables
- SAP: Define RFC user with appropriate authorization
- Non-SAP: Create DB user for Secondary DB connection

**System Requirements**
- SAP: All ABAP-based SAP Systems starting with R/3 4.6C, all supported OS/DB’s platforms
- SAP & Non-SAP: OS/DB restrictions of related SAP NetWeaver stack apply (see at http://service.sap.com/pam)

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**Installation**
- Add-on DMIS 2011 (***)
  (Latest support pack level: SP6)

**Basic Configuration**
- SAP: Define RFC connection to source system
- Non-SAP: Define DB connection to source system
- Define DB connection to HANA system
- Define max. number of jobs to be used for data replication

**System Requirements**
- According to Quick Sizing
- Ensure sufficient number of available background jobs!

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**SAP LT Replication Server**

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**SAP HANA system**
- HANA SPS3-7: includes LT replication functionality fully integrated into the UI of the HANA modeler

**Basic Configuration**
- Create a DB user (if required)

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*) SAP LT Replication Server can run on any SAP system with SAP NetWeaver 7.02 ABAP stack or higher, for example on Solution Manager 7.1 or the source system – it does not have to be a separate SAP system!

**) A few new SLT features available since HANA SPS05 may require DMIS_2010 SP09 / DMIS_2011 SP04

***) SAP customers who run other DMIS-based applications can apply DMIS_2010 in the source and SLT system.
Technical Requirements for ODP/SLT Scenario with SAP BW

Installation:
- DMIS 2011 SP6 or
  - DMIS 2011 SP3/SP4/SP5 + Note 1863476
  - DMIS 2010 SP8/SP9 + Note 1863476

Basic Configuration:
- Define RFC user with appropriate authorization
- Optional: define separate table space for logging tables

System Requirements:
- All ABAP-based SAP Systems starting with R/3 4.6C, all supported OS/DB’s platforms
- OS/DB restrictions of SAP NetWeaver stack (service.sap.com/pam)
- Non-SAP: all SAP supported DB versions (with respective SAP Kernel installed on LT Replication Server)

Installation:
- SAP_Basis: 730 SP10 or SP5 + Note 1817467
  - 731 SP8 or SP3 + Note 1817467
  - 740 SP4 or RTC + Note 1717467

- PI_Basis: 730 SP10 or SP8 + Note 1848320
  - 731 SP9 or SP5 + Note 1848320
  - 740 SP5 or SP2 + Note 1848320

- Add-on DMIS 2011 SP6

Basic Configuration:
- SAP: Define RFC connection to source system

System Requirements:
- Sizing of the SLT system depends very much on the amount of data which is stored in ODQ and the planned retention periods.
Technical Requirements for ODP/SLT Scenario with SAP Data Services

Source Systems

Installation:
- DMIS 2011 SP6
- DMIS 2011 SP3/SP4/SP5 + Note 1863476
- DMIS 2010 SP8/SP9 + Note 1863476

Basic Configuration:
- Define RFC user with appropriate authorization
- Optional: define separate table space for logging tables

System Requirements:
- All ABAP-based SAP Systems starting with R/3 4.6C, all supported OS/DB’s platforms
- OS/DB restrictions of SAP NetWeaver stack (service.sap.com/pam)
- Non-SAP: all SAP supported DB versions (with respective SAP Kernel installed on LT Replication Server)

SAP LT Replication Server

Installation:
- SAP_Basis:
  730 SP10 or SP5 + Note 1817467
  731 SP8 or SP3 + Note 1817467
  740 SP4 or RTC + Note 1717467
- PI_Basis:
  730 SP10 or SP8 + Note 1848320
  731 SP9 or SP5 + Note 1848320
  740 SP4 or SP2 + Note 1848320
- Add-on DMIS 2011 SP6

Basic Configuration:
- SAP: Define RFC connection to source system

System Requirements:
Sizing of the SLT system depends very much on the amount of data which is stored in ODQ and the planned retention periods.

Subscriber SAP Data Services

Installation:
- SAP Data Services 4.2 SP1 or higher
- PI_Basis:
  730 SP10 or SP8 + Note 1848320
  731 SP9 or SP5 + Note 1848320
  740 SP4 or SP2 + Note 1848320
Software Shipment


Multiple Access paths are available:

- Via SAP HANA Enterprise Edition (→ additional Components) path
- Via SAP Landscape Transformation Replication Server → (A-Z Index) directly

→ Correct license material assignment is required for the requesting S-User!
SLT and HANA Compatibility Information

<table>
<thead>
<tr>
<th>Source System</th>
<th>SLT</th>
<th>HANA DB/Studio</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMIS 2010 SP3/4</td>
<td>DMIS 2010 SP4</td>
<td>HANA 1.0 SPS2</td>
</tr>
<tr>
<td>DMIS 2010 SP3-10</td>
<td>DMIS 2010 SP5-10</td>
<td>HANA 1.0 SPS3-7</td>
</tr>
<tr>
<td>DMIS 2011 SP2-6</td>
<td>DMIS 2011 SP2-6</td>
<td>HANA 1.0 SPS3-7</td>
</tr>
</tbody>
</table>

Upgrade from DMIS 2010 to DMIS 2011

If you upgrade the SAP Replication Server system from DMIS 2010 to DMIS 2011, ensure that DMIS 2011 and all relevant support packages are installed in one installation queue. This is important as some additional table fields (e.g. partitioning command) were introduced on a certain DMIS 2010 SP level and will get lost if DMIS 2011 basis package and support packages are installed sequentially.

If you upgrade from DMIS 2010 to DMIS 2011 you have to upgrade to at least the corresponding support package level. The corresponding level for DMIS 2010 SP10 is DMIS 2011 SP6

For non-SAP source systems, the customer database license needs to cover a permanent database connection with 3rd party products like SAP LT Replication Server.

(*) Since a DB connection from LT replication server to a non-SAP system is required, the OS/DB restrictions of SAP NetWeaver 7.02 or higher apply (see at [http://service.sap.com/pam](http://service.sap.com/pam))
Quick Sizing with SAP SLT Sizing Guide
required Information / Input Parameters

- Numbers of configurations
- Numbers of tables per configuration
- Details about each table:
  - Table type [transparent/cluster]
  - Number of records [rowcount]
  - Size of single record (<1500 bytes/record)
  - Numbers of columns (S: < 150, M: 151...250, L: > 250)
  - Expected change rate [changes per hour]
  - Complex data transformations required [y/n]?
- Max. tolerable initial load time [hours]
- Max tolerable replication latency [sec]

You can find more details about sizing for SLT in the official Sizing Guide.

<table>
<thead>
<tr>
<th>SLT Server</th>
<th>MEDIUM</th>
<th>LARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 LTR configuration with 2 Data Transfer Jobs</td>
<td>A moderate mid-range scenario with</td>
<td>A upper mid-range scenario with</td>
</tr>
<tr>
<td>Hardware: 2-4 CPU Cores, 8-10 GB Main Memory</td>
<td>Approx 3 different Source Systems (equivalent to 3 LTR Configurations), and/or up to 200 tables in total, weighted table size category M-L, an overall expected throughput of less than 10,000,000 records/hour</td>
<td>Up to 10 different Source Systems (equivalent to 10 LTR Configurations), and/or up to 500 tables in total, weighted table size category M-XL, an overall expected throughput of up to 50,000,000 records/hour</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source System(s)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1 relation to data transfer jobs per source</td>
<td>1:1 relation to data transfer jobs per source for ACL (Access plan calculation), ensure 2 free Dialog work processes for data load/replication</td>
<td>1:1 relation to data transfer jobs per source for ACL (Access plan calculation), ensure 2 free Dialog work processes for data load/replication, ensure in sum 25 free Dialog work processes for data load/replication</td>
</tr>
<tr>
<td>Reserve 2 BTC work processes for ACL (Access plan calculation), ensure 2 free Dialog work processes for data load/replication</td>
<td>Additional Hardware required: ~ 3 CPU Core in total (0.5 CPU Core per data transfer job, APPL &amp; DB)</td>
<td>Additional Hardware required: ~ 8 additional CPU cores</td>
</tr>
<tr>
<td>Additional Hardware required: ~ 1 CPU Core (0.5 CPU per data transfer job, APPL &amp; DB)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

With these input parameters you can estimated the system requirements.
You find all details in the official Sizing Guide.
# Sizing Considerations for SLT- and source system in an ODP/SLT Scenario

<table>
<thead>
<tr>
<th>Use Case</th>
<th>SMALL</th>
<th>MEDIUM</th>
<th>LARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Use Case</strong></td>
<td>A small scenario with</td>
<td>A moderate mid-range scenario with</td>
<td>A upper mid-range scenario with</td>
</tr>
<tr>
<td></td>
<td>• typically one configuration</td>
<td>• Approx ~ 3 different Source Systems (equivalent to 3 LTR Configurations), and/or up to 200 tables in total; weighted table size category M-L</td>
<td>• Up to 10 different Source Systems (equivalent to 10 LTR Configurations), and/or up to 500 tables (in total); weighted table size category M-XL</td>
</tr>
<tr>
<td></td>
<td>• with approx. up to 50 tables</td>
<td>• an overall expected throughput of less than 10.000.000 records/hour</td>
<td>• an overall expected throughput of up to 50.000.000 records/hour</td>
</tr>
<tr>
<td></td>
<td>• weighted table size category S-M</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• an overall expected throughput of less than 1.000.000 records/hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ODP/SLT System</strong></td>
<td>1 configuration with 2 Data Transfer Jobs</td>
<td>10 Data Transfer Jobs in total (sum of all configurations)</td>
<td>25 Data Transfer Jobs in total (sum of all configurations)</td>
</tr>
<tr>
<td></td>
<td>Hardware: 2-4 CPU Cores, 8-10 GB Main Memory</td>
<td>Hardware: 4-6 CPU Cores, 10-16 GB Main Memory</td>
<td>Hardware: 8-10 CPU Cores, 16-32 GB Main Memory</td>
</tr>
<tr>
<td><strong>Source System(s)</strong></td>
<td>1:1 relation to data transfer jobs per source</td>
<td>1:1 relation to data transfer jobs per source</td>
<td>1:1 relation to data transfer jobs per source</td>
</tr>
<tr>
<td></td>
<td>Reserve 2 BTC work processes for ACL (Access plan calculation), ensure 2 free Dialog work processes for data load/replication</td>
<td>sum over all source systems: Reserve 2-4 BTC work processes for ACL (Access plan calculation), ensure 10 free Dialog work processes for data load/replication</td>
<td>sum over all source systems: Reserve 4-8 BTC work processes for ACL (Access plan calculation), ensure in sum 25 free Dialog work processes for data load/replication</td>
</tr>
<tr>
<td></td>
<td>Additional Hardware required: ~ 1 CPU Core (0.5 CPU per data transfer job, APPL &amp; DB)</td>
<td>Additional Hardware required: ~ 5 CPU Core in total (0.5 CPU per data transfer job, APPL &amp; DB)</td>
<td>Additional Hardware required: ~ 12 CPU Core in total (0.5 CPU per data transfer job, APPL &amp; DB)</td>
</tr>
</tbody>
</table>

The DB size of the ODP/SLT system depends on the amount of changed data/hour which is stored in the queue, the frequency of data pull from subscribers and the retention period after which queue space is released.

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Summary
SAP LT Replication Server - Benefits

- Allows real-time (and scheduled) data replication
- Ability to automatically migrate data into HANA format while replicating data in real-time
- „Unlimited“ release coverage (from SAP R/3 4.6C onwards) sourcing data from ABAP based SAP applications
- Handling of all SAP ABAP Application Data Structures (i.e. cluster and pool and HR tables)
- Automatically non-Unicode to Unicode conversion during load/replication
- Data and structure transformation capabilities (e.g. data filtering, enrich/reduce target table structure, anonymize data, adjust technical table parameters, etc.)
- Fully integrated with SAP HANA Studio (Data Provisioning and Data Modeler UI)
- Enhanced monitoring capabilities via SAP Solution Manager 7.1 SP5 onwards & mobile app SAP Replication Manager

SAP Landscape Transformation Replication Server (aka “SLT”) is a perfect choice for all SAP HANA customers who need real-time or scheduled data replication from SAP and NON-SAP sources with the option to accomplish even complex data transformations on the fly.
Summary: SAP LT Replication Server 2.0 SP6

• SAP LT Replication Server 2.0 (DMIS 2011) is the recommended Product Version!
• Replication from SAP ABAP to ABAP systems (covering the complete SAP Business Suite)
• Enhanced Scenario ‘SAP LT Replication Server for Real-time Replication via Operational Data Provisioning’ to connect SAP BW and Data Services Consumers
• Extensive UI Improvements for simplified Administration and Monitoring
  – in SAP LT Replication Server Cockpit (LTRC); new Advanced Replication Settings UI with transaction LTRS; new transaction (LTRO) for simultaneously monitoring of several configurations on a central UI
• Essential new Functions:
  – 1:N replication for non-ABAP source systems; Replication logging feature for backup and recovery; Support of views as source objects; Filtering option for records in source system; etc.
• Continuous Improvements
  – Enhanced monitoring capabilities; Simplified Administration; Support of replication to non-ABAP systems (today already available as project solution);

SAP Landscape Transformation Replication Server (aka “SLT”) is a perfect choice for all SAP HANA customers who need real-time or scheduled data replication from SAP and NON-SAP sources with the option to accomplish even complex data transformations on the fly.
SCN Community for SAP LT Replication Server

News

Presentations

Videos

How-To Documents

Discussion Forum

http://scn.sap.com/community/replication-server
Information Sources
For Customers and Partners

Web Sites
• SLT @ SAP Service Marketplace: http://service.sap.com/hana
• SLT @ SAP Help Portal: http://help.sap.com/hana
• SLT @ SCN: http://scn.sap.com/community/replication-server
• Some assets linked @ HANA Experience Page

SAP LT – important Documents and Links
• New SLT – Introduction Video
• SLT – Overview Presentation
• Installation Guide (new URL!)
• Security Guide (new URL!)
• Operations Guide (new URL!)
• How-To Guide „Advanced Replication Settings“ (see SAP Note 1733714)
• HANA & SLT Sizing; SLT Sizing Guide
• Important SLT Notes: see in SLT General Note 1605140

Training
• HA200 SAP HANA - Installation & Administration
• HA300 SAP HANA Implementation and Modeling
• Specific customized training on SLT available on demand
Documentation Links for ODP/SLT Scenario with SAP BW

Functionality of ODP is documented in the *Online Help* for:

- **Operational Data Provisioning** - *Introduction*

- **Monitoring Delta Queues** - *including hints for troubleshooting with the Delta Queue Monitor*

Functionality of SAP BW as subscriber at ODP:

- **Transferring Data from SLT Using Operational Data Provisioning**

- **Transferring Data with SAP LT Replication Server**
Functionality of SAP Data Services is documented on the Online Help page:

http://help.sap.com/bods

and in SCN: http://scn.sap.com/community/data-services

For the ODP/SLT scenario with SAP Data Services see the Release Note for SAP Data Services 4.2 SP1

Supplement for SAP Guide
Thank You!

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Active Global Support