

# SAP Hana: Data Consumption

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Product Management & Strategy –SAP HANA

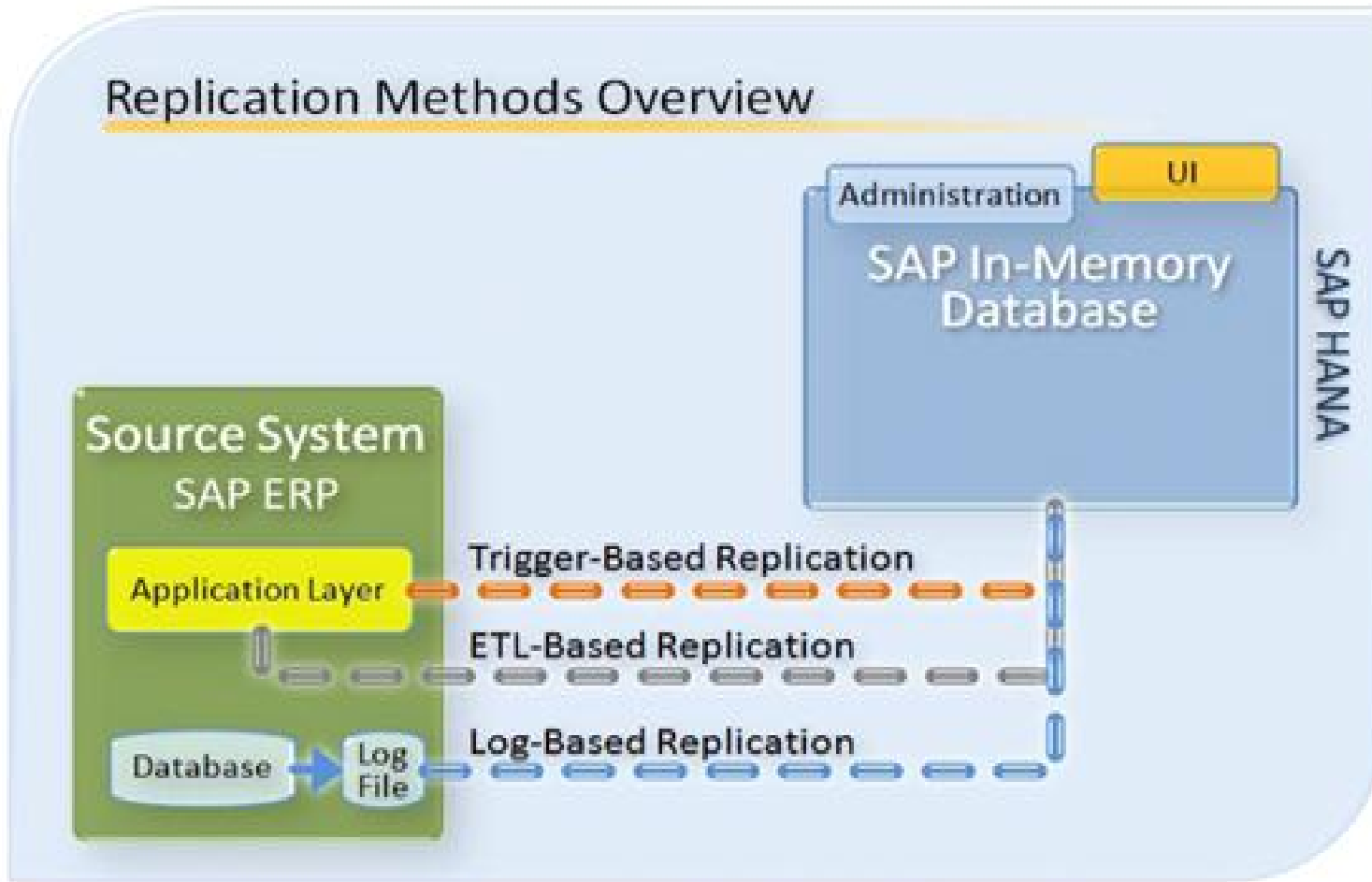


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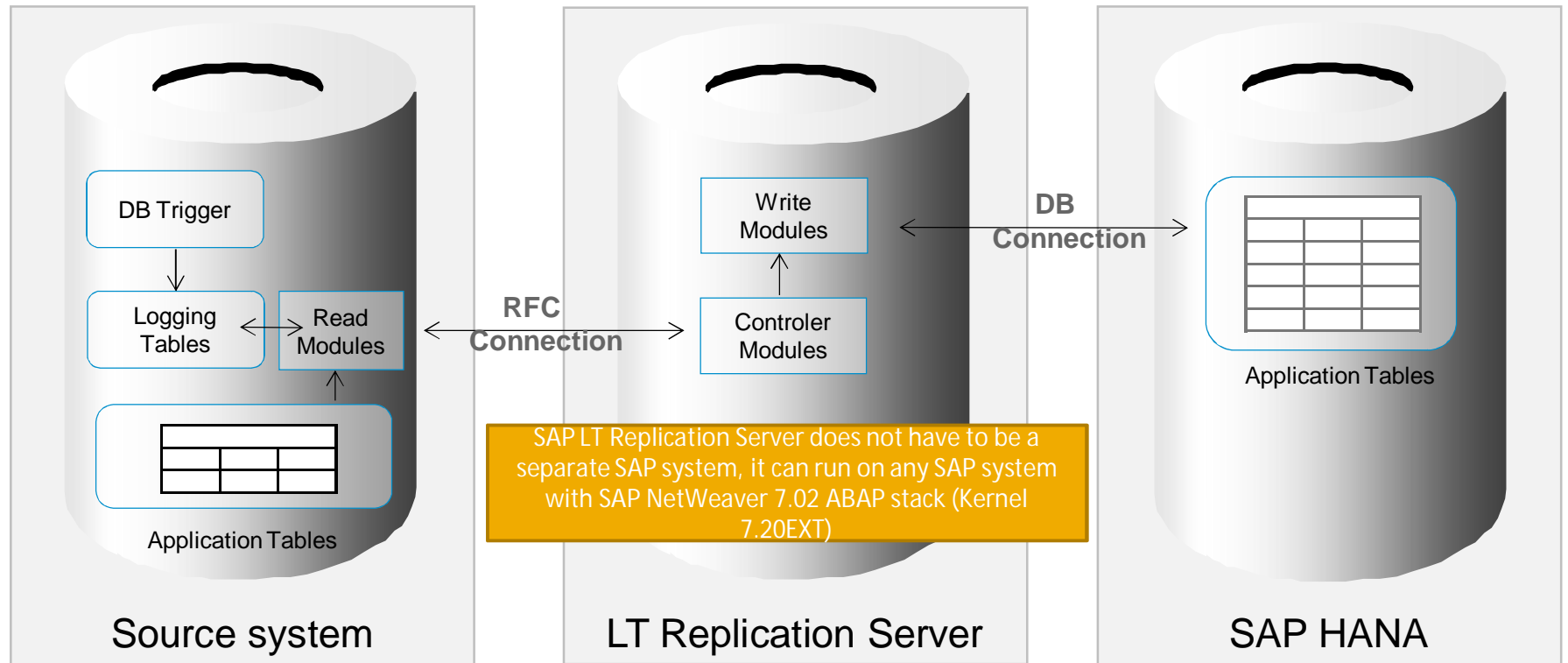
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# SAP Hana Replication: Overview



# SAP LT Replication Server

## Architectural Overview



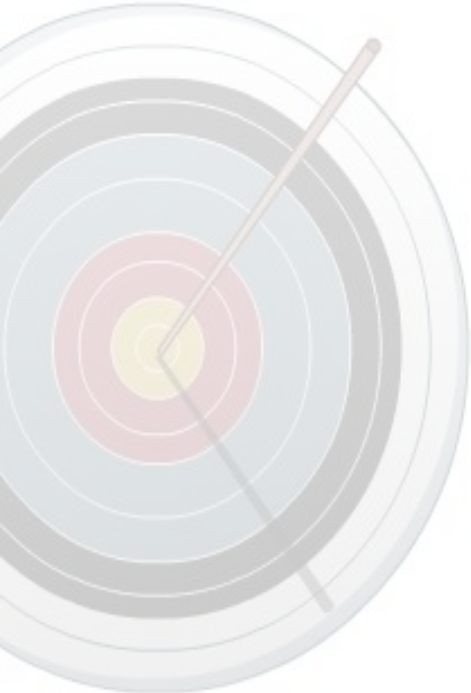
Efficient initialization of data replication based on DB trigger and delta logging concept (as with NearZero downtime approach)


Flexible and reliable replication process, incl. data migration (as used for TDMS and SAP LT)

Fast data replication via DB connect  
SAP LT Replication Server functionality is fully integrated with SAHANA Studio

# SAP LT Replication Server for SAP Hana

## Key Benefits

- 
- A target icon with concentric circles and a central bullseye, with a diagonal line passing through it, symbolizing precision and focus.
- Allows real-time or scheduled data replication of the tables you choose
  - Extensive source system release coverage – SAP R/3 4.6C onwards
    - Works with other ABAP based SAP applications at required „Basis“ level
  - Leverages proven SLO technology (Near Zero Downtime, TDMS, SAP LT)
  - Simple and fast setup of LT Replication Server (installation and configuration in less than 1 day)
  - Fully integrated with SAP HANA Studio (as of SPS02)

A large, downward-pointing arrow with a gradient from light to dark orange, indicating a conclusion or final point.

**SAP LT Replication Server is the ideal solution for all SAP HANA customers who need real-time (or scheduled) data replication sourcing from SAP ERP systems into SAP HANA**

# SAP LT Replication Server

## Installation & System Requirements



### Installation

- The latest version of the DMIS\_2010\_xyz Add-On for your SAP system's basis level

### System Requirements

- SAP Basis – 4.6C and higher
- DBMS – no restrictions

### Installation

- DMIS 2010\_1\_700 SP04 – released with HANA SPS02, see SAP Note [1602938](#) for details)

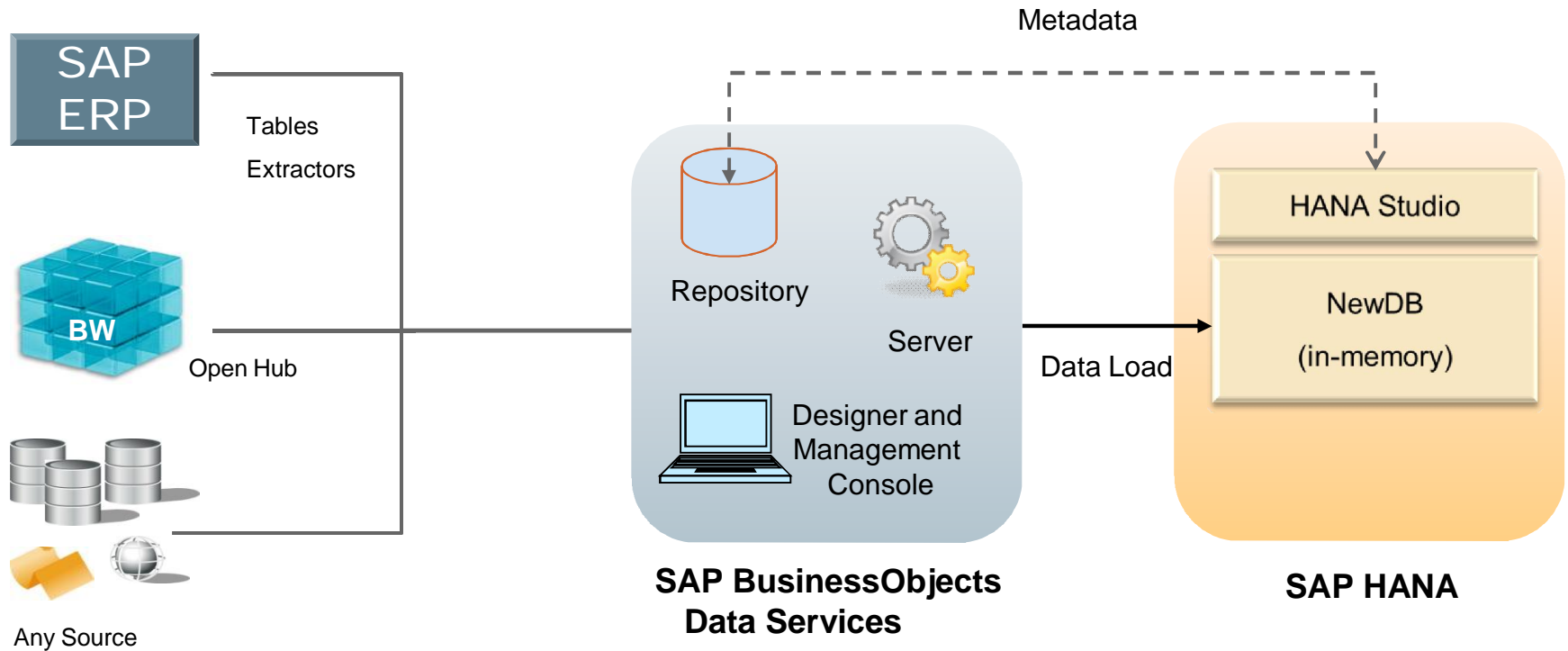
### System Requirements

OS – see SAP Note [1597627](#)  
File System – 100 GB  
RAM – 16 to 32 GB  
CPU – 2 to 4 cores  
SAP Basis – NetWeaver 7.02 with Kernel 7.20EXT  
(64BIT Unicode) PL90 - see SAP note [1597627](#)  
DBMS – For MaxDB see SAP Note [1603660](#)

### Installation

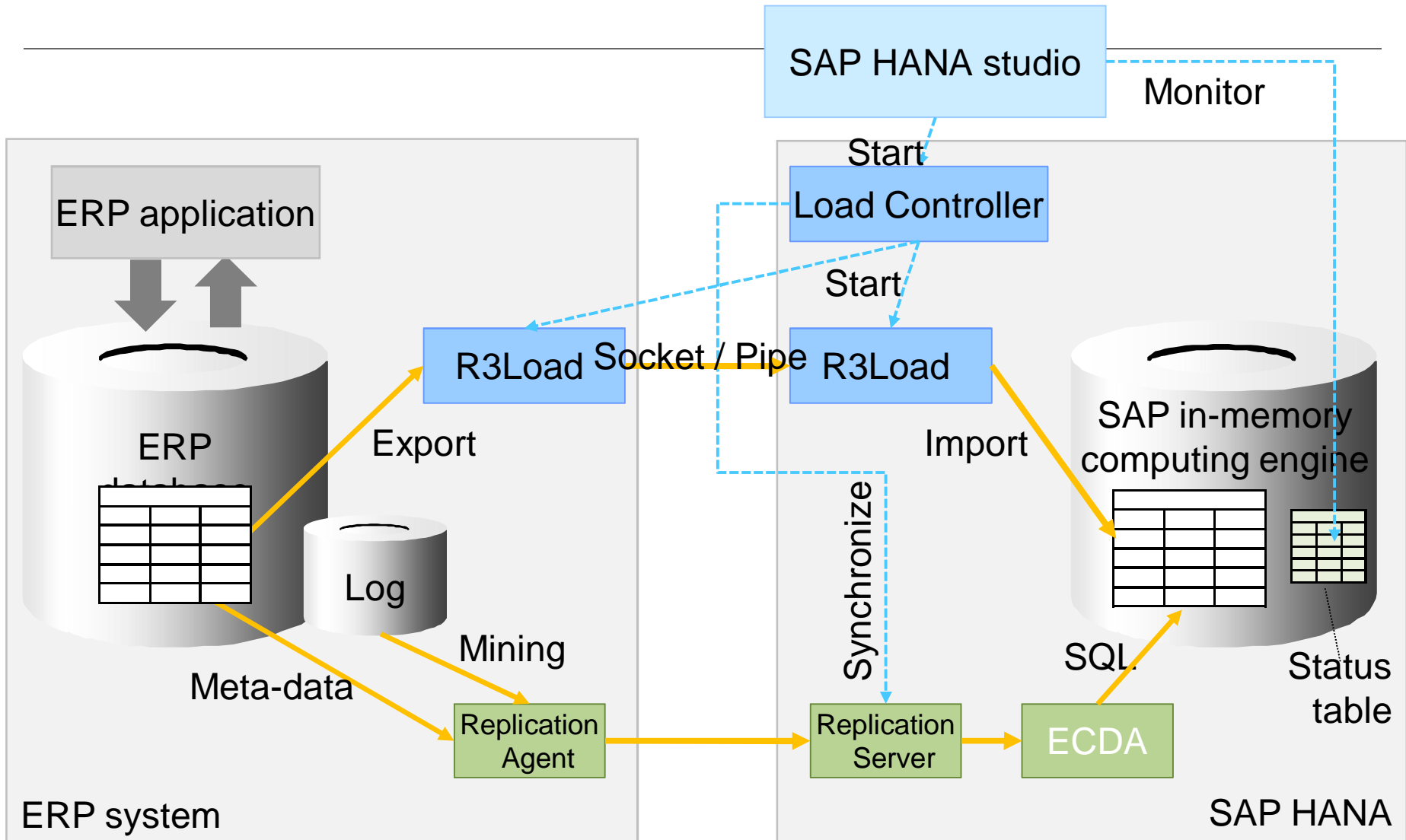
- SAP HANA SPS02 includes full SAP HANA Studio integration with LT Replication Server

# SAP Hana: Data Services 4.0



- Data Services is the engine to load all data into SAP HANA

# SAP Hana: Sybase Replication Server





# SAP Hana : SP03 (Available from Nov-7th, 2011)

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## SLT:

- Improved operation capabilities with “Support Dashboard
- Support of “non-SAP application databases” (Data replication directly from SAP supported data bases)

## Sybase Replication Server:

- No major changes

# SAP Hana SP03: (Available from Nov-7th, 2011)



## Data Services 4.0-SP02:

### Performance improvements for loading HANA

- A new option in the HANA target for commit size will allow for better tuning.
- For template tables you can now set the type (column/row store) to select what's optimal for one specific table.

### Support for bulk UPDATES in HANA (through an intermediate staging table)

- A new mechanism to load all data into a temporary table in HANA, together with an operation code to indicate that this row is an INSERT/UPDATE/DELETE.
- Once all data is in the temporary table a SQL statement get issued to HANA to apply the INSERTS/UPDATES/DELETES to the actual target.
- Overall this gives a big performance

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