Migrating Legacy Data to the SAP Leasing Solution

Applies to:

SAP Leasing Solution (CRM 5.1, SAP ECC 6.0)

Summary

SAP has created the Leasing Solution to address the needs of the financial sector. Going for a new solution inevitably calls for data migration. This paper discusses the steps for migrating legacy data to the SAP Leasing solution.

Author: Kowshik Dutta

Company: TATA Consultancy Services (TCS)

Created on: 21 January 2007

Author Bio

Kowshik Dutta graduated in Mechanical Engineering and started his career with an automobile company. Currently he works with the Data Warehousing Practice of TCS. Kowshik's core competencies are in database architecture, data migration, and design of Business Information (BI) systems.

Table of Contents

SAP Leasing Solution Architecture

The SAP Leasing solution is supported by two systems in the background. One of them is Customer Relationship Management (CRM) and other is Enterprise Central Component (ECC). These two systems are connected by middleware, SAP Exchange Infrastructure (XI). Following major activities are handled in CRM:

- Creation and maintenance of master data for customers, dealers, vendors etc. Collectively they are called business partners in CRM.
- Creation and maintenance of physical products and financial products
- Creation and maintenance of individual assets. In CRM they are known as Iobjects
- Contract inception
- Generation of cash flow
- Generation of billing invoices
- Generation of billing documents

All finance-related activates are handled in ECC. They are:

- Accruals for contracts (handled by LAE of ECC)
- One-time postings (handled by LAE of ECC)
- All payments (FI-CA of ECC)
- GL balances
- Assets and their depreciation from financing perspective

Key Success Factors for Migration

If we look into the solution architecture, the "Customer" part of the contract is handled in CRM, while the "Financial" part of the contract is handled in ECC. Keeping this in mind, the key points of success would be:

- Net value of the lease or loan should remain the same (both in CRM and ECC)
- Customer billing invoice figures should match with legacy after migration (CRM)
- Only to-be-paid invoices should go out to the customer from the new system (CRM)
- Cash flow figures should match with legacy data (CRM & ECC)
- Accruals figures in LAE should match with legacy
- All receivables and payables should reflect correctly in FI-CA
- Financial figures for assets should show up correctly (ECC)
- All contracts in CRM should be linked with the contracts in ECC

Overall Data Flow

Data migration to the SAP Leasing solution has to be done in three steps. Data should first be uploaded to CRM and then to ECC. And in the final step, contract data from CRM should be linked to the contract data in LAE of ECC.

Sequence for Loading to CRM:

- ➢ Organization data
- ➢ Business partner
- ➢ Physical product
- ➢ Financial product
- ➢ Iobjects
- ➢ Contracts
    - o Header data
    - o Item data
    - o Status of the contract at header level and each item level
    - o Products associated with the contracts with their condition values
    - o Billing request invoices with their status
    - o Cash flow

Sequence for Loading to ECC:

- ➢ Chart of accounts
- ➢ Contract data for Lease Accrual engine
    - o Header data
    - o Item data
    - o Billplan
    - o Accruals
    - o One-time postings
    - o Value IDs
    - o Conditions
- ➢ Asset
- ➢ Link assets to LAE contracts
- ➢ Link LAE contract to CRM contract
- ➢ GL balances
- ➢ FI-CA document data

How to Join LAE Asset to LAE Contract

Use the Program: FILA_MIGRATION_ASSETS_LINK

How to Join LAE Contract to CRM Contract

Use the Program: FILA_MIGRATION_LINK_TO_CRM

SAP-Supplied Loading Programs:

To make legacy data transfer easier, SAP has provided the following programs :

SAP Object	SAP-Supplied Program
Business Partner (CRM)	CRMXIF_PARTNER_SAVE (FM)
Contracts (CRM)	CRMXIF_ORDER_SAVE (FM)
Physical Product (CRM)	CRMXIF_PRODUCT_SAVE (FM)
Financial Product (CRM)	CRMXIF_PRODUCT_SAVE (FM)
LAE Contracts (ECC)	FILA_MIGRATION_LOAD (Report)
LAE Accruals (ECC)	FILA_MIGRATION_LOAD (Report)
FI-CA Document (ECC)	BAPI_CTRACDOCUMENT_CREATE (BAPI)
G/L Balances (ECC)	BAPI_ACC_GL_POSTING_POST (BAPI)

FM: Function Module

BAPI: Business Application Programming Interface

Is it Possible to Load CRM Contracts by Calling CRM Transactions?

Absolutely not. This is based on the following reasons:

> ➢ Using BDC with call transactions will incept the contract. This will hit the accounting entries in GL. And more-over, the posting periods in GL have to be kept open, from the period you will be loading data. So basically you will end up building your GL, which is never recommended.

> ➢ While creating a contract by calling a transaction, SAP generates the cash flow and billing requests by looking into the physical products, financial product and lease term. Now, in legacy the cash flow figures are generally manually entered. In such cases, the financial figures are certain to remain inconsistent for the same combination of physical product, financial product and lease term. So for such cases, calling SAP transactions will not work out.

> ➢ Some of the billing invoices must have been sent to customers before migration for open contracts. So during migration, the system has to be provided with the status of each billing item. This won't be possible if data is loaded by calling transactions.

> ➢ Generally for a normal configuration, several fields are filled by system default, for example, the contract creation dates. If you go by transactions, then all those fields have to be configured to accept manual inputs.

> ➢ Calling transactions to load data is always slower than loading data using function modules, BAPIs or other SAP-supplied loading programs.

Copyright