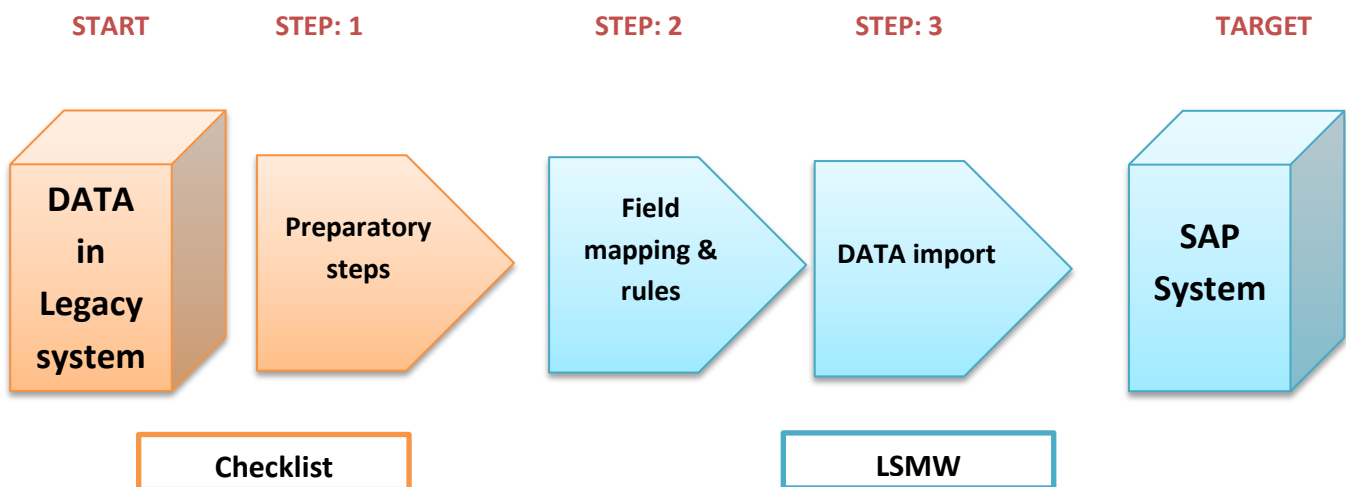


LSMW-(Legacy System Migration Workbench)

LSMW is a tool that supports the transfer of data from non-SAP systems ("Legacy Systems") to SAP R/3 systems. This can be a one-time transfer as well as a periodic one.

LSMW also supports conversion of data of the legacy system in a numerous way. The data can then be imported into the SAP R/3 system via batch input, direct input, BAPIs or IDocs.

In simple Words: In big organizations we have to create more than 1000 of materials or vendors in sap it's too much time taking process to do this in within system to do this step by step for each material or vendor, so SAP gives us provision to gather data which is in our spreadsheets or word documents and direct get it into the SAP system.



T-CODE: LSMW

Legacy System Migration Workbench

All Objects | My Objects | All Project Objects | Project Documentation

Project Selection

Project	FA PROJECT	FA PROJECT
Subproject	FA PROJECT-1	FA PROJECT-1
Object	FA VENDOR DATA	FA VENDOR DATA

First we need to create Project Name in the initial screen

Steps of LSMW

LSM Workbench: FA PROJECT, FA PROJECT-1, FA VENDOR DATA: FA VENDOR DAT	
User Menu Numbering Off Double Click=Display Object Overview Action Log	
Process Step	Last Action (Date, Time, User)
Maintain Object Attributes	
Maintain Source Structures	
Maintain Source Fields	
Maintain Structure Relations	
Maintain Field Mapping and Conversion Rules	
Maintain Fixed Values, Translations, User-Defined Routines	
Specify Files	
Assign Files	
Read Data	
Display Read Data	
Convert Data	
Display Converted Data	
Create Batch Input Session	
Run Batch Input Session	

STEP-1:- Here, we are Maintaining the Object Attribute and Selecting Batch Input Recording Method. In this method we can create a recording of our own and use it to upload/change data. According to method we are create recording of Project.

Maintain Object Attributes

LSM Workbench: Change Object Attributes


Display <-> Change Documentation Display Interfaces

Attributes



Object	FA_VENDOR_DATA	FA_VENDOR_DATA
Owner	AKASHH	AKASHH
Data Transfer	<input checked="" type="radio"/> Once-Only	<input type="radio"/> Periodic
File Names	<input type="checkbox"/> System-Dependent	

Object Type and Import Method

☐ Standard Batch/Direct Input

Object
Method
Program Name 
Program Type

☒ Batch Input Recording

Recording  







☐ Business Object Method (BAPI)

Business Object
Method
Message Type
Basic Type

☐ IDoc (Intermediate Document)

Message Type
Basic Type
Enhancement



Recordings of Project 'FA PROJECT': Overview

      Subtree Row

Recordings

Create Recording

Recording	FARECORD
Description	FARECORD
Owner	AKASHH

Based on that, we are doing recording for Vendor master Data so Enter Vendor Master Data T code- **XK01**.as well as put all the required information for Data Migration.

Recordings of Project 'FA PROJECT': Overview

Subtree Row

Recordings

Transaction Code

Transaction Code

Create Vendor: Address

CIN Details

Vendor

Address

Title	<input type="text" value="COMPANY"/>	
Name	<input type="text" value="ZECO VENDOR"/>	Search term <input type="text"/>
	<input type="text"/>	
	<input type="text"/>	
Street	<input type="text"/>	PO Box <input type="text"/>
City	<input type="text"/>	Postal Code <input type="text"/>
District	<input type="text"/>	
P.O.Box city	<input type="text"/>	PO Box PCode <input type="text"/>
Country	<input type="text" value="DE"/>	Region <input type="text"/>

Communications data

Language Key	<input type="text" value="EN"/>	Telex number	<input type="text"/>
Telephone 1	<input type="text"/>	Fax Number	<input type="text"/>
Telephone 2	<input type="text"/>	Teletex number	<input type="text"/>
Telebox	<input type="text"/>	Data line	<input type="text"/>
InternetAdd.	<input type="text"/>		

Accounting information			
Recon. account	160000	Sort key	
Head office		Subsidy indic.	
Authorization		Cash mgmnt group	A1
		Release group	
Minority indic.		Certificatn date	

Interest calculation			
Interest indic.		Last key date	
Interest cycle		Last interest run	

Withholding tax			
W. Tax Code		Exemption number	
WH Tax Country		Valid until	
Recipient type		Exmpt.authority	

Reference data			
Prev.acct no.		Personnel number	

Create Vendor: Purchasing data

Vendor: **INTERNAL** ZECO VENDOR
 Purchasing Org.: **Z005** FA PurchOrg

Conditions			
Order currency	EUR		
Terms of paymnt	NP30		
Incoterms			
Minimum order value			
Schema Group, Vendor			
Pricing Date Control			
Order optim.rest.			

Sales data			
Salesperson			
Telephone			
Acc. with vendor			

Control data			
<input type="checkbox"/> GR-Based Inv. Verif.	ABC indicator	<input type="checkbox"/>	<input type="checkbox"/> RMA Required
<input type="checkbox"/> AutoEvalGRSetmt Del.	ModeOfTrnsprt-Border	<input type="checkbox"/>	
<input type="checkbox"/> AutoEvalGRSetmt Ret	Office of entry		
<input type="checkbox"/> Acknowledgment Reqd	Sort criterion	<input type="checkbox"/>	
<input type="checkbox"/> Automatic purchase order	PROACT control prof.	<input type="checkbox"/>	

Vendor 0000300476 has been created for company code 1000 purchasing organization Z005



Create Recording

Default Default All Reset Screen Field Screen Field Repeat Recording Maintain Attributes Subtree Row

Recording **FARECORD** **FARECORD**

XK01 Create Vendor (Centrally)

- SAPMF02K 0100**
 - BDC_CURSOR RF02K-KTOKK
 - BDC_OKCODE /00
 - RF02K-BUKRS 1000 **BUKRS** Company Code
 - RF02K-EKORG Z005 **EKORG** Purchasing Organization
 - RF02K-KTOKK 0001 **KTOKK** Vendor account group
- SAPMF02K 0110**
 - BDC_CURSOR LFA1-SPRAS
 - BDC_OKCODE /00
 - LFA1-ANRED COMPANY **ANRED** Title
 - LFA1-NAME1 ZECO VENDOR **NAME1** Name 1
 - LFA1-LAND1 DE **LAND1** Country Key
 - LFA1-REGIO **REGIO** Region (State, Province, County)
 - LFA1-SPRAS EN **SPRAS** Language Key
- SAPLSP01 0100**
 - BDC_OKCODE =YES
- SAPMF02K 0210**

LSM Workbench: Change Object Attributes

Display <-> Change Documentation Display Interfaces

Attributes

Object **FA VENDOR DATA** **FA VENDOR DATA**

Owner **AKASHH** **AKASHH**

Data Transfer ☒ Once-Only ☐ Periodic

File Names ☐ System-Dependent

Object Type and Import Method

☐ Standard Batch/Direct Input

Object

Method

Program Name

Program Type

☒ Batch Input Recording

Recording **FARECORD** **FARECORD**

☐ Business Object Method (BAPI)

Business Object

Method

Message Type

Basic Type

☐ IDoc (Intermediate Document)

Message Type

Basic Type

Enhancement

LSM Workbench: FA PROJECT, FA PROJECT-1, FA VENDOR DATA: FA VENDOR DAT

User Menu Numbering Off Double Click=Display Object Overview Action Log

Process Step	Last Action (Date, Time, User)
Maintain Object Attributes	12.07.2021, 23:22:38 h, AKASHH
Maintain Source Structures	

LSM Workbench: Object Overview (Table)

Overview in List Format

FA PROJECT - FA PROJECT-1 - FA VENDOR DATA

Structure	Structure Description	Target Field Name	Field Description	Type	Target Length	Source Field Name	Source Length	Conversion Method	Code/Commentary
FA RECORD	FA RECORD	TABNAME	Table Name	CHAR	000030				
		TCODE	Transaction Code	CHAR	000020				
		BUKRS	Company Code	CHAR	000004				
		EKORG	Purchasing Organization	CHAR	000004				
		KTOKK	Vendor account group	CHAR	000004				
		ANRED	Title	CHAR	000015				
		NAME1	Name 1	CHAR	000035				
		LAND1	Country Key	CHAR	000003				
		REGIO	Region (State, Province, County)	CHAR	000003				
		SPRAS	Language Key	LANG	000002				
		AKONT	Reconciliation Account in General Ledger	CHAR	000010				
		FDGRV	Planning group	CHAR	000010				
		WAERS	Purchase order currency	CUKY	000005				
		ZTERM	Terms of Payment Key	CHAR	000004				

I have copied this data
and paste on MS Excel

STEP-3

Maintain Source Fields

In this screen, the Fields which is maintained in the Object Overview this fields I have maintained here. Source Filed is used to identify whether a certain record should go to the specified structure.

Source Fields for Source Structure FASOURCE

Overview in List Format

Field Name	Type	L...	Field description
BUKRS	C	4	Company Code
EKORG	C	4	Purch. Organization
KTOKK	C	4	Account group
ANRED	C	15	Title
NAME1	C	35	Name 1
LAND1	C	3	Country Key
REGIO	C	3	Region
SPRAS	C	2	Language Key
AKONT	C	10	Reconciliation acct
FDGRV	C	10	Planning group
WAERS	C	5	Currency
ZTERM	C	4	ZTERM

 Subtree

 Position

 Fields with the Same Name

Source Fields

BUKRS	C(004)	Company Code
EKORG	C(004)	Purch. Organization
KTOKK	C(004)	Account group
ANRED	C(015)	Title
NAME1	C(035)	Name 1
LAND1	C(003)	Country Key
REGIO	C(003)	Region
SPRAS	C(002)	Language Key
AKONT	C(010)	Reconciliation acct
FDGRV	C(010)	Planning group
WAERS	C(005)	Currency
ZTERM	C(004)	ZTERM

Dictionary: Display Data Element

Documentation Supplementary Documentation

Short Description	Company Code
-------------------	--------------

Attributes	Data Type	Further Characteristics	Field Label
------------	-----------	-------------------------	-------------

● Elementary Type

Domain

BUKRS Company code

Data Type	CHAR	Character String
-----------	------	------------------

Length	4
--------	---

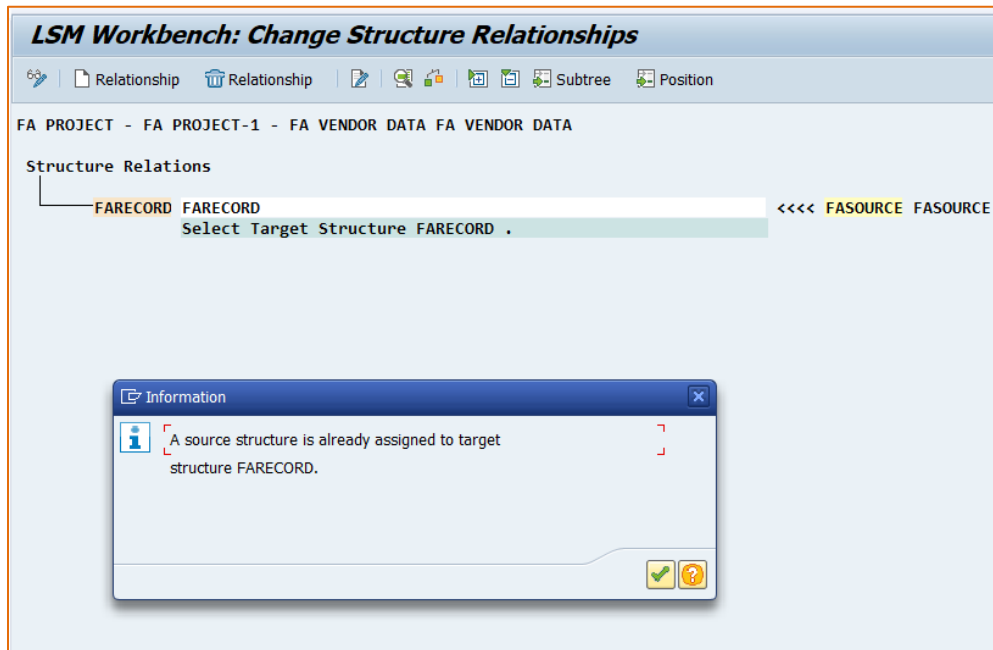
☐ Predefined Type

Data Type

Length	θ
--------	----------

STEP-4:- The structure which need for processing of data so will need to be assign here.in the object contains lots of source structure.

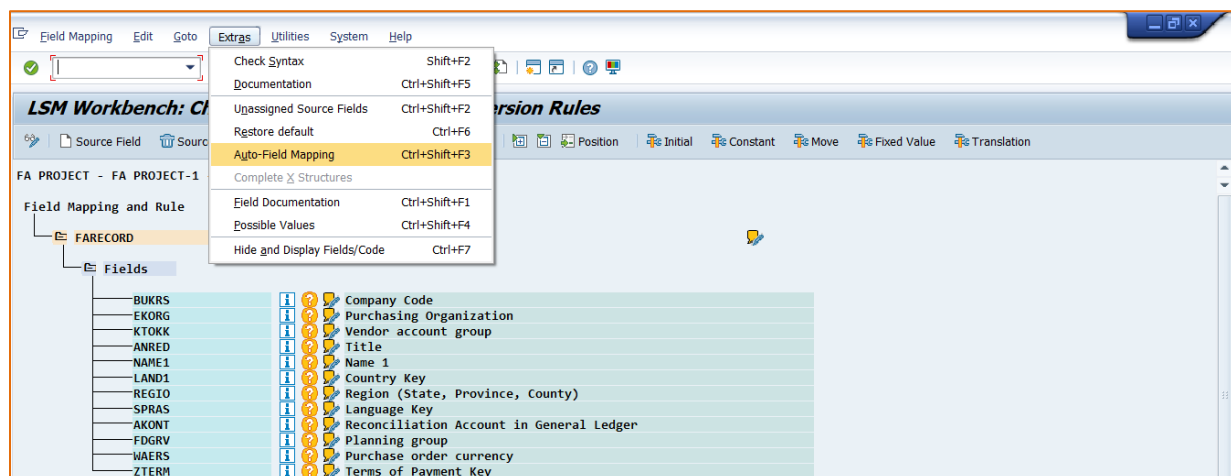
Maintain Structure Relations



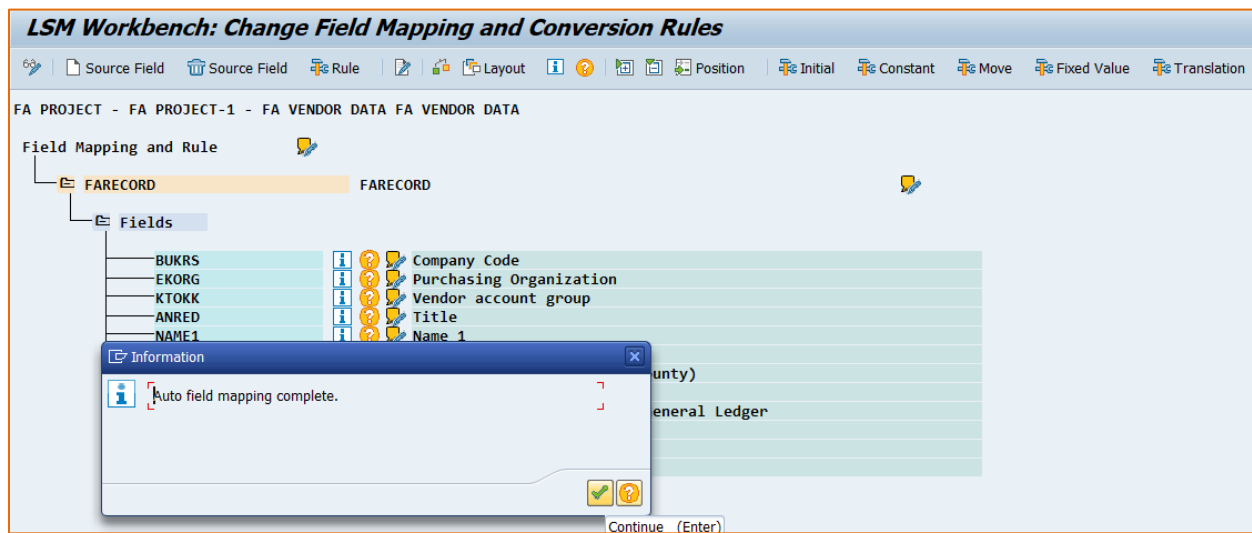
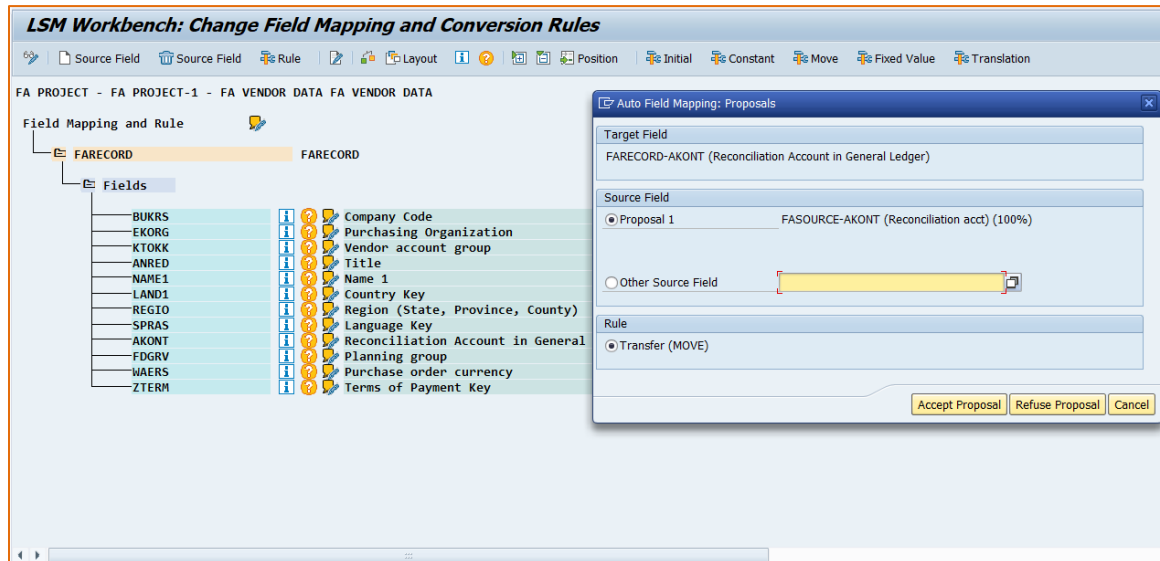
STEP-5

Maintain Field Mapping and Conversion Rules

In this step,we assign source fields to target fields and define how the field contents will be converted.



As show in image, we can assign each field to target field and once all assignment done system showing **MAPING COMPLITED** message



Step 07

Specify Files

Here as show in EXCEL sheet,we are Upload Our File.

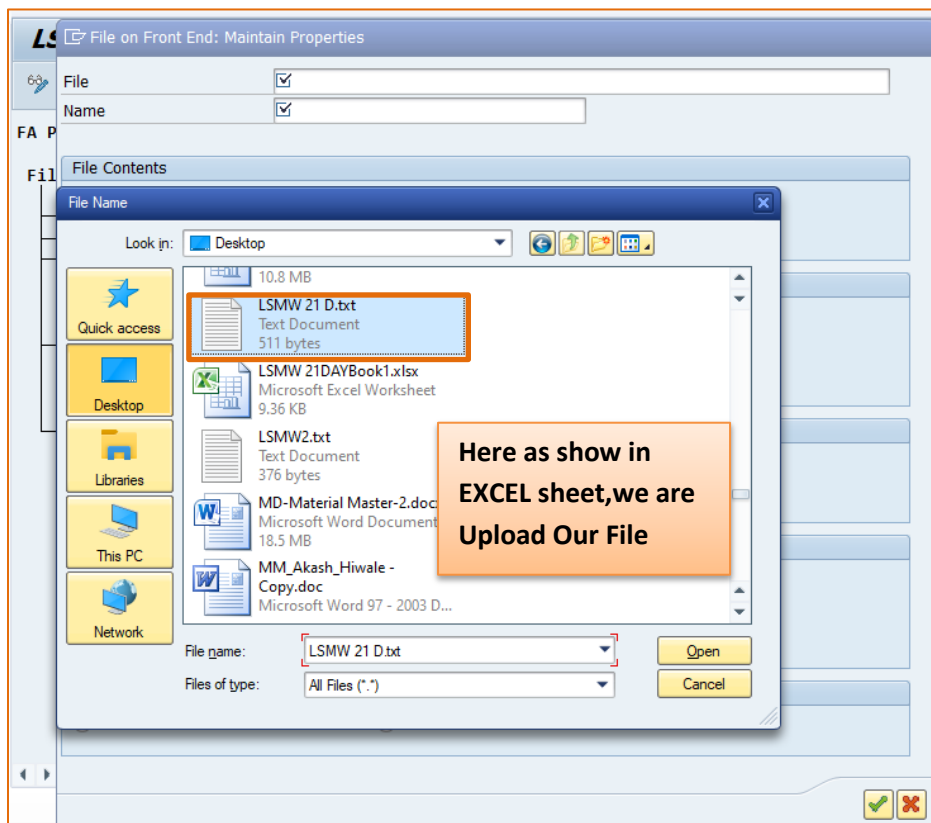
LSM Workbench: Specify Files (Change)

60 |

FA PROJECT - FA PROJECT-1 - FA VENDOR DATA FA VENDOR DATA

Files

- Legacy Data On the PC (Frontend)
- Legacy Data On the R/3 server (application server)
- Imported Data File for Imported Data (Application Server)
 - Imported Data FA_PROJECT_FA_PROJECT-1_FA_VENDOR_DATA.lsmw.read
- Converted Data File for Converted Data (Application Server)
 - Converted Data FA_PROJECT_FA_PROJECT-1_FA_VENDOR_DATA.lsmw.conv
- Wildcard Value Value for Wildcard '*' in File Name



LS File on Front End: Maintain Properties

File C:\Users\ABC\Desktop\LSMW 21 D.txt

Name FA LSMW

File Contents

☒ Data for One Source Structure (Table)

☐ Data for Multiple Source Structures (Seq. File)

Delimiter

☒ Tabulator

☐ No Separator ☐ Comma ☐ Blanks ☐ Other

File Structure

☒ Field Names at Start of File

☒ Field Order Matches Source Structure Definition

File Type

☒ Record End Marker (Text File)

☐ Fixed Rec. Length (Bin.File)

☐ Hexadecimal Lth Field (4 Bytes) at Start of Record

Code Page

☒ ASCII ☐ IBM DOS

✓ ✕

LSM Workbench: Specify Files (Change)

FA PROJECT - FA PROJECT-1 - FA VENDOR DATA FA VENDOR DATA

Files

Legacy Data On the PC (Frontend)

FA LSMW C:\Users\ABC\Desktop\LSMW 21 D.txt

Data for One Source Structure (Table)

Separator Tabulator

Field Names at Start of File

Field Order Matches Source Structure Definition

With Record End Indicator (Text File)

Code Page ASCII

Legacy Data On the R/3 server (application server)

Imported Data File for Imported Data (Application Server)

Imported Data FA_PROJECT_FA_PROJECT-1_FA_VENDOR_DATA.lsmw.read

Converted Data File for Converted Data (Application Server)

Converted Data FA_PROJECT_FA_VENDOR_DATA.lsmw.conv

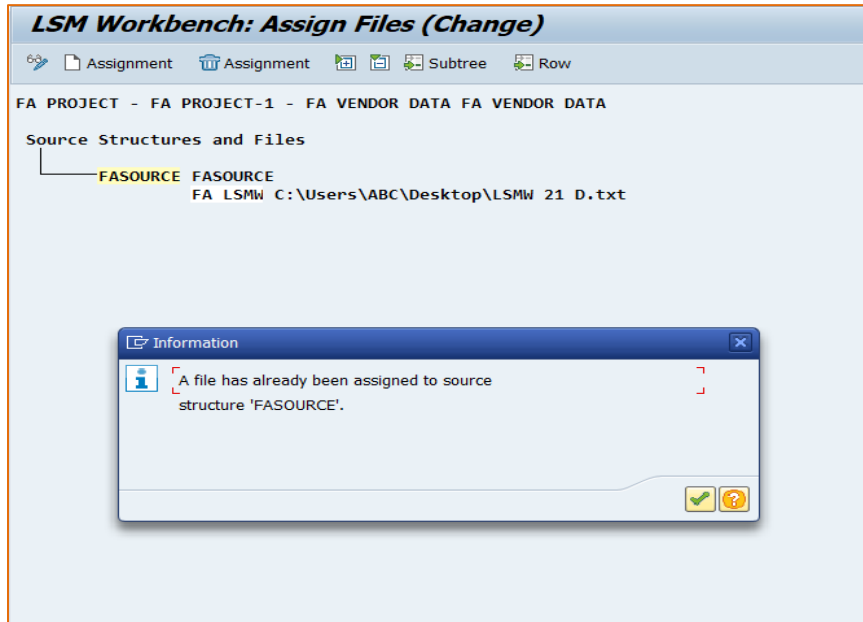
Wildcard Value Value for Wildcard '*' in File Name

✓ Data saved

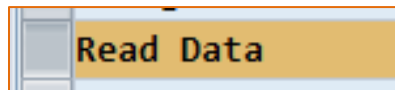
Step 08

Assign Files

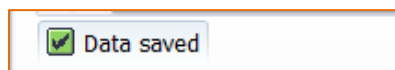
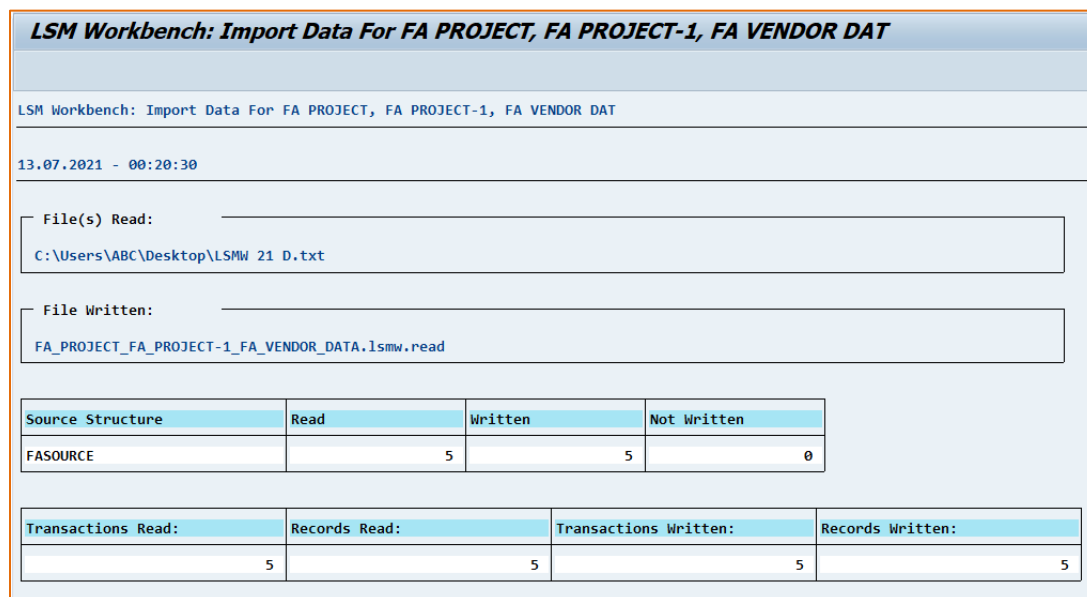
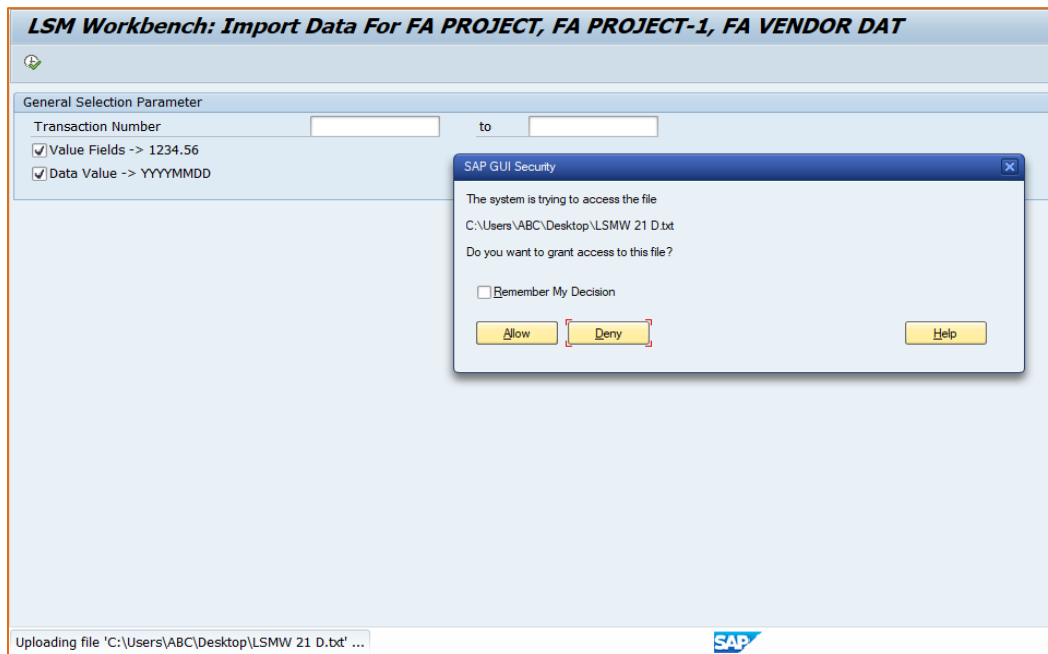
Here we define which file we are going to use for current upload i.e. whether the file is on Presentation server or application server.



Step 09



In this, system read the File which we has uploaded. So system ask for permission so after giving permission system will read Data.



Step 10

Display Read Data

In the step system Showing all data which we had uploaded.


LSM Workbench: Imported Data						
Field Contents						
File Contents FA_PROJECT_FA_PROJECT-1_FA_VENDOR_DATA.lsmw.read						
Row	Hierarchy Level	Structure	Conts.			
		File Information	LSMWFA PROJECT	FA PROJECT-1	FA VENDOR DATA ID7	80020210713002613AKASHH
1	01	FASOURCE	1000Z0051	Company	Vendor A	DE A1 EN160000 EUR NP30
2	01	FASOURCE	1000Z0051	Company	Vendor B	DE A1 EN160000 EUR NP30
3	01	FASOURCE	1000Z0051	Company	Vendor C	DE A1 EN160000 EUR NP30
4	01	FASOURCE	1000Z0051	Company	Vendor D	DE A1 EN160000 EUR NP30
5	01	FASOURCE	1000Z0051	Company	Vendor E	DE A1 EN160000 EUR NP30

Step 11

Convert Data

In this Step System will Convert all the Non SAP System Data into SAP DATA.

LSM Workbench: Convert Data For FA PROJECT, FA PROJECT-1, FA VENDOR DA			
LSM Workbench: Convert Data For FA PROJECT, FA PROJECT-1, FA VENDOR DA			
13.07.2021 - 00:27:14			
File Read: FA_PROJECT_FA_PROJECT-1_FA_VENDOR_DATA.lsmw.read			
File Written: FA_PROJECT_FA_VENDOR_DATA.lsmw.conv			
Transactions Read:	Records Read:	Transactions Written:	Records Written:
5	5	5	5

 Data saved

Step 12

Display Converted Data

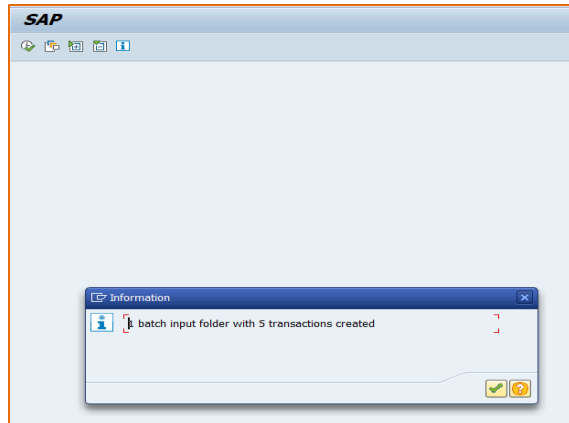
LSM Workbench: Converted Data									
Field Contents									
File Contents FA_PROJECT_FA_VENDOR_DATA.lsmw.conv									
Row	Hierarchy Level	Structure	Contents						
1	00	FARECORD	FARECORD	XK01	1000Z0051	Company	Vendor A	DE A1 EN160000	
2	00	FARECORD	FARECORD	XK01	1000Z0051	Company	Vendor B	DE A1 EN160000	
3	00	FARECORD	FARECORD	XK01	1000Z0051	Company	Vendor C	DE A1 EN160000	
4	00	FARECORD	FARECORD	XK01	1000Z0051	Company	Vendor D	DE A1 EN160000	
5	00	FARECORD	FARECORD	XK01	1000Z0051	Company	Vendor E	DE A1 EN160000	

STEP13

Create Batch Input Session

Once we Execute Batch input, all the converted Data indicated as a **Batch Input**.

LSM Workbench: Generate Batch Input Folder	
File Name (with Path)	FA_PROJECT_FA_VENDOR_DATA.lsmw.conv
Display Trans. per BI Folder	
Name of Batch Input Folder(s)	FA_VENDOR_DA
User ID	AKASHH
<input type="checkbox"/> Keep batch input folder(s)?	



STEP-14

Run Batch Input Session

Batch Input: Session Overview

Analysis **Process** Statistics Log Recording

Selection criteria
 Sess.: **FA_VENDOR_DA** From: To: Created by: *

New Incorrect Processed In Process In Background Being Created Locked

Session name	Sta...	Created By	Date	Time	Creation Progr...	Lock Date	Authorizat.	Trans.	Trans.	Trans.	Screens	D..	Quer
FA_VENDOR_DA		AKASHH	13.07.2021	00:27:55	/SAPDMC/SAP...		AKASHH	5	0	0	25	210	

Here we can run batch input

Create Vendor: Initial Screen

Vendor

Company Code 1000

PurchasingOrganization Z005

Account group 0001

Reference

Vendor

Company code

PurchasingOrganization

☐ Use central address management

Create Vendor: Address

   CIN Details

Vendor

Address

Title

Name

Search term

Street

PO Box

City

Postal Code

District

P.O.Box city

PO Box PCode

Country

Region

Communications data

Language Key

Telex number

Telephone 1

Fax Number

Telephone 2

Teletex number

Telebox

Data line

InternetAdd.

[Home Page](#)

Create Vendor: Accounting information Accounting

   CIN Details

Vendor

Vendor A

Company Code

BestRun Germany

Accounting information

Recon. account

Sort key

Head office

Subsidy indic.

Authorization

Cash mgmnt group

Minority indic.

Release group

Certificatn date

Interest calculation

Interest indic.

Last key date

Interest cycle

Last interest run

Withholding tax

