



LeverX – SAP Data Migration

Services and Application for Document & Data Migration



Agenda



- ★ **Data migration challenges**
- ★ **LeverX data migration solution**
- ★ **LeverX data migration software**
- ★ **Summary**

Data Migration Challenges



- ★ **Almost every SAP project requires data migration**
- ★ **Not planning in advance for data migration and cleansing requirements can**
 - **Create significant implementation delays**
 - **Generate errors in new SAP deployment**
 - **Lost historical data and processes**
 - **Result in large cost overruns**
- ★ **How to manage millions of data and documents to be migrated?**
- ★ **How to ensure data is migrated properly?**
- ★ **How to know what data is good and which needs cleansing?**

LeverX Data Migration Solution



- ★ **LeverX offers a comprehensive solution for data migration requirements for both master data and documents**
 - **Highly skilled and flexible migration services – 100+ projects**
 - **Custom developed tools for specific data migration needs**
 - **Easy to use, robust and scalable document migration application leveraged on LeverX data migration projects**
- ★ **LeverX can support large data migration, data cleansing and data exchange / integration projects**

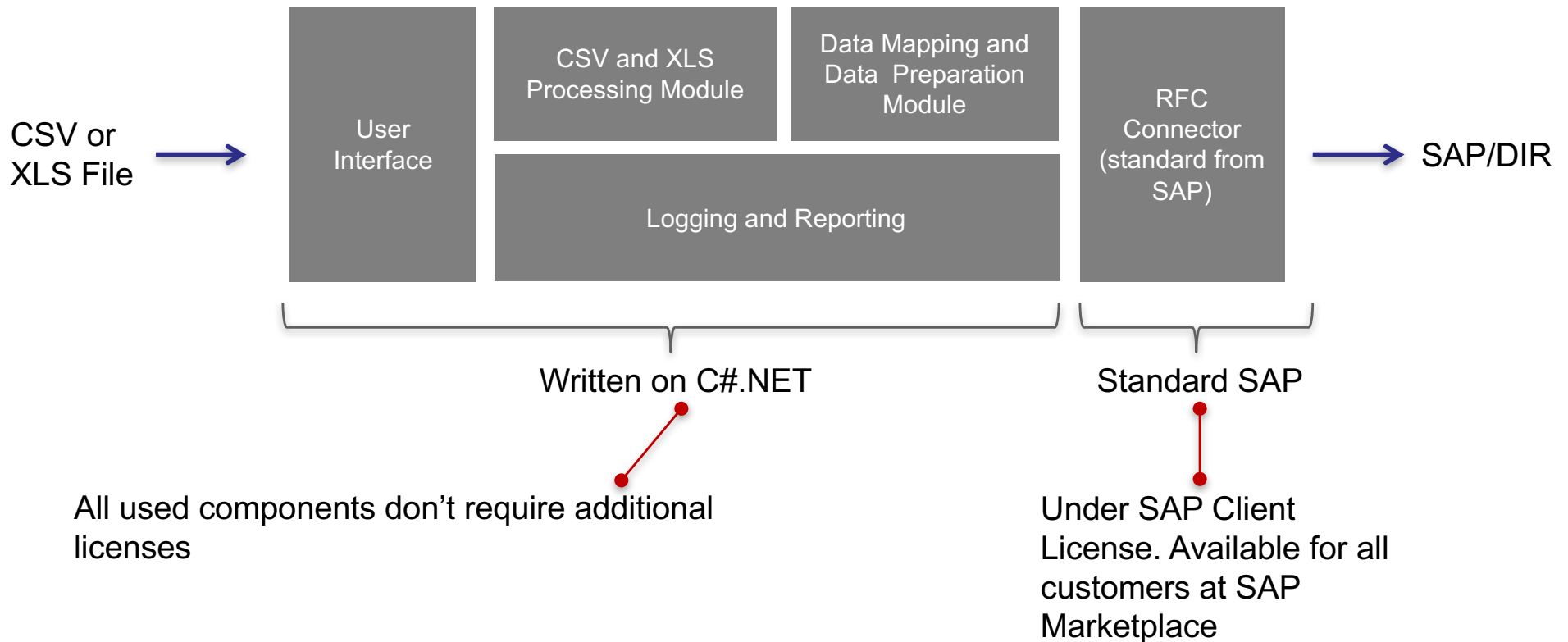
LeverX DMS Data Migration Software



★ Key software functionality and advantages

- Custom designed for SAP Document Management System (DMS) data migration requirements.
- Allows you to create and update SAP business objects, such as the SAP Document Info Record (DIR), using MS Excel or CSV templates and SAP BAPIs (Business Application Programming Interface). No interacting with the SAP user interface is required.
- Excel or CSV templates and structure can be defined by users.
- Map any SAP DMS business object fields to your defined MS Excel template fields easily using the drag-and-drop interface.
- Create complex migration scenarios on the fly, test and validate migration, then run the migration scenarios leveraging multiple workstations to manage large batches of document migrations.
- Can use software as a cleansing solution to identify incorrect migration source data reducing manual migration efforts.
- No detailed IT knowledge required to operate, yearly subscription license.

How It Works: Components



How It Works: User Interface



Step 1:
Data Selection

Step 2:
Mapping And
Configuration

Step 3:
Data Upload and
Reporting

The screenshot displays the software's configuration interface, divided into three main sections:

- Configuration Step 1: Connection Parameters and DIR Type Selection.**
 - Source Files:** A table with columns 'Add File', 'File Name', and 'Count'. It lists 'Z:\Projects\DIR Tool\Presentations\LeverX_Test1.xlsx' with a count of 26.
 - Target SAP System and DIR Type:** Fields for SID (ECS), User (lus00015), Password (masked), Client (100), Language (en), ServerHost (lxd007), and SystemNumber (00). Checkboxes for 'Update Existing Documents' and 'Ignore Document Status' are present. The DIR Type is set to 'DRW' with a description 'Engin/Des. Drawing'.
- Configuration Step 2: Mapping.**
 - Buttons for 'Clear Mapping', 'Smart Mapping', and 'Auto Align On' are at the top.
 - Two 'Select Fields' boxes are shown. The left box contains 'Document Number', 'Description', and 'characteristic_s2'. The right box contains 'DOCUMENTNUMBER' and 'DESCRIPTION'. Arrows indicate a mapping from 'Document Number' to 'DOCUMENTNUMBER' and 'Description' to 'DESCRIPTION'.
 - An 'Object Link' box with a 'Select Object Link' dropdown is also visible.
- Configuration Step 3: Data Upload.**
 - Buttons for 'Start' and 'Stop' are on the left. A 'Simulation Mode' checkbox is also present.
 - Progress indicators show 'Attempt 2 of 2', 'New', 'Processed 0 of 26', 'Uploaded: 0', and 'Errors: 0'. Start and End times are indicated as '---'.
 - Summary information includes 'DRW', 'ServerHost lxd007', 'Client 100', and 'SystemNumber 00'. Checkboxes for 'Update Existing Documents' and 'Ignore Document Status' are on the right.
 - A taskbar at the bottom shows the file path 'Z:\Projects\DIR Tool\Presentations\LeverX_Test1.xlsx', the progress 'Processed 0 / 26', and a link to 'Open Source File'.

Step 1: Data Selection

1. **Select Source** file from local drive (CSV or XLS). You can select multiple files at once. File can have any structure.

2. **Select Target** SAP System

Amount of records in the file

▼ Configuration Step 1 : Connection Parameters and DIR Type Selection.

Source Files:

Add File	File Name	Count
Remove File	Z:\Projects\DIR Tool\Presentations\Test1.xlsx	26

Target SAP System and DIR Type:

SID: ECS

User: lus00015 Language: en

Password: ServerHost: lxd007

Client: 100 SystemNumber: 00

Update Existing Documents

Ignore Document Status

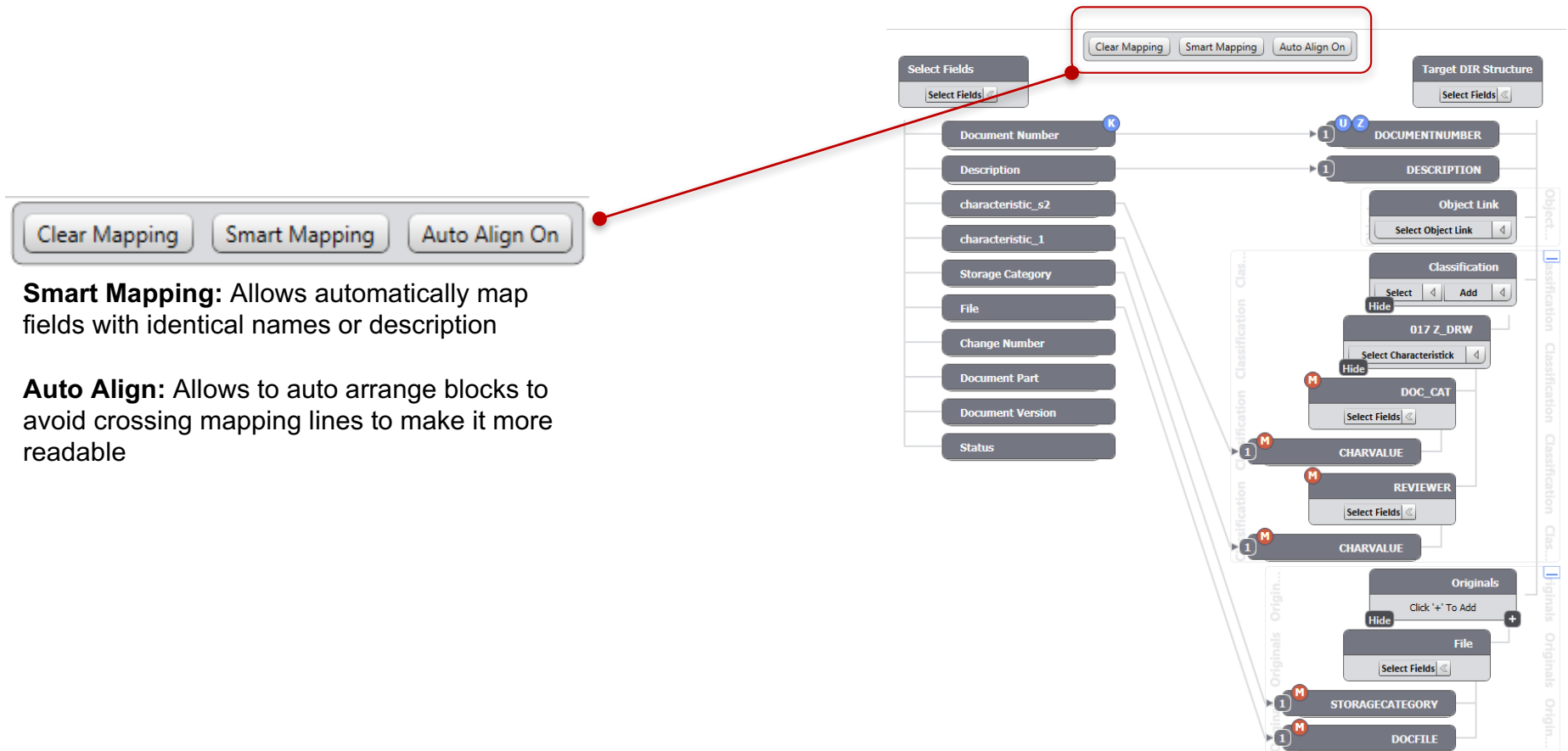
DIR Type: DRW Type Description: Engin/Des. Drawing

Allows to overwrite/update existing DIRs

Allows to bypass status network

Document type selection

Step 2: Data Mapping



Smart Mapping: Allows automatically map fields with identical names or description

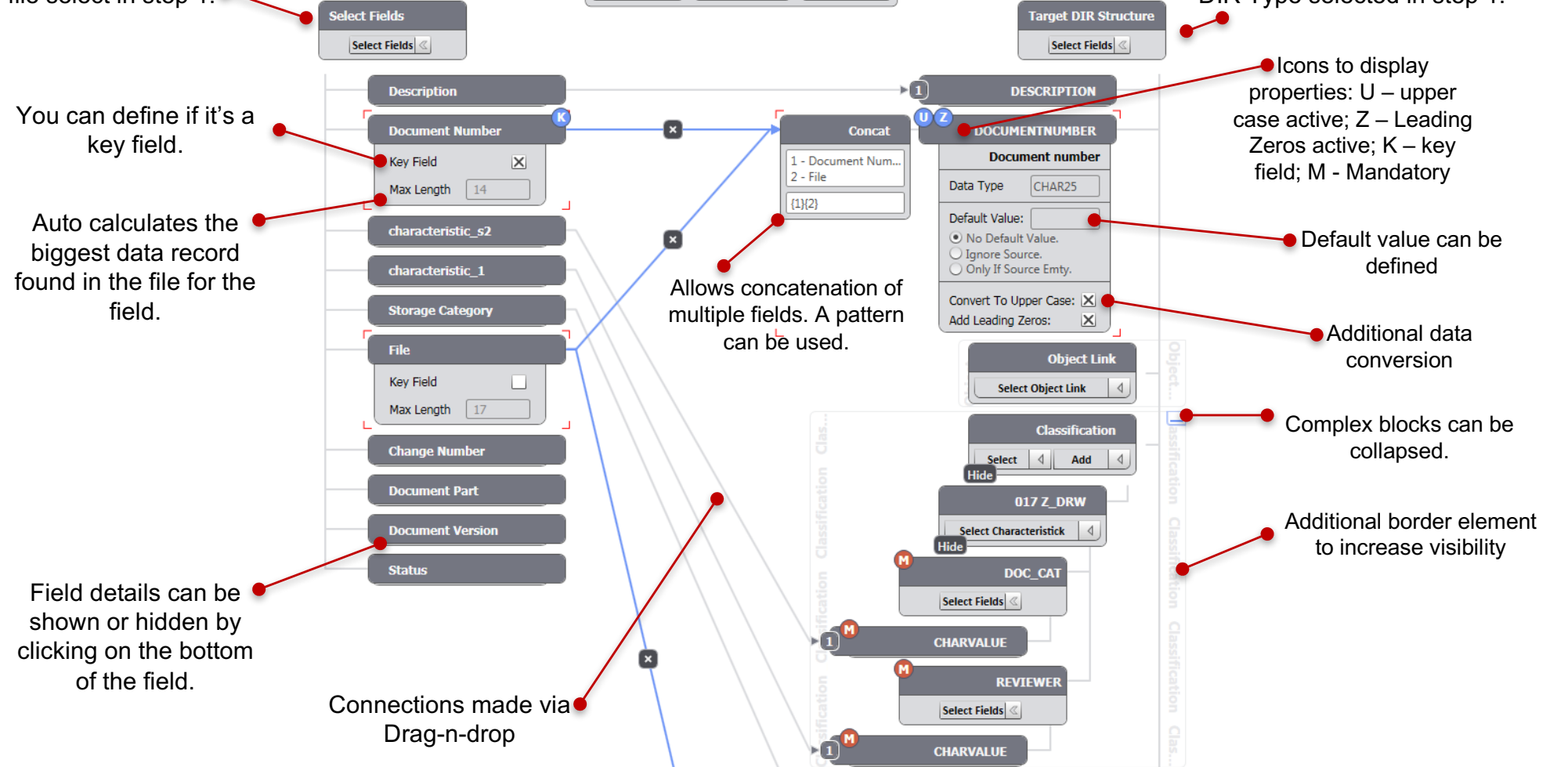
Auto Align: Allows to auto arrange blocks to avoid crossing mapping lines to make it more readable

Step 2: Data Mapping



Left Side – Fields from the file select in step 1.

Right Side – Fields from the SAP DIR Type selected in step 1.



You can define if it's a key field.

Auto calculates the biggest data record found in the file for the field.

Field details can be shown or hidden by clicking on the bottom of the field.

Connections made via Drag-n-drop

Allows concatenation of multiple fields. A pattern can be used.

Icons to display properties: U – upper case active; Z – Leading Zeros active; K – key field; M - Mandatory

Default value can be defined

Additional data conversion

Complex blocks can be collapsed.

Additional border element to increase visibility

Step 3: Data Upload And Reporting



2 step process:

- Analyze – system checks data validity
- Upload – actual upload to SAP
- Can be executed in simulation mode

History Log:

- Allows return back and see full history of previous upload and attempts

Reports:

- System generates XLS reports for error analysis

Configuration Step 1: Connection Parameters and DIR Type Selection.

Configuration Step 2: Mapping.

Configuration Step 3: Data Upload.

Analyze

Attempt 2 of 2
Completed

Processed 26 of 26
Uploaded: 26
Errors: 0

Start: 2/19/2015 8:24:39 PM
End: 2/19/2015 8:25:40 PM

DRW

ServerHost lxd007
Client 100
SystemNumber 00

Update Existing Documents
Ignore Document Status

Z:\Projects\DIR Tool\Presentations\Test1.xlsx

Processed 26 / 26 Uploaded to SAP: 26 Errors: 0 [Open Source File](#) [Analyze Log in Excel](#) All Records

#Line In File	File Key	DIR Key	Description	StartTime	EndTime	Status
27	z26	DRW\Z26\000\01	Migration Test 26	2/19/2015 8:25:38 PM	2/19/2015 8:25:40 PM	Successful
26	z25	DRW\Z25\000\01	Migration Test 25	2/19/2015 8:25:37 PM	2/19/2015 8:25:38 PM	Successful
25	z24	DRW\Z24\000\01	Migration Test 24	2/19/2015 8:25:36 PM	2/19/2015 8:25:37 PM	Successful
24	z23	DRW\Z23\000\01	Migration Test 23	2/19/2015 8:25:34 PM	2/19/2015 8:25:36 PM	Successful
23	z22	DRW\Z22\000\01	Migration Test 22	2/19/2015 8:25:33 PM	2/19/2015 8:25:34 PM	Successful
22	z21	DRW\Z21\000\01	Migration Test 21	2/19/2015 8:25:31 PM	2/19/2015 8:25:33 PM	Successful
21	z20	DRW\Z20\000\01	Migration Test 20	2/19/2015 8:25:29 PM	2/19/2015 8:25:31 PM	Successful

Allows to open DIR directly from the tool.

SAP DIR Created Successfully



Document

Document art Version

◇ Deletion Flag ◇ Document Structure ◇ CAD Indicator ◇ Hierarchy

Document Data Addnl Data Descriptions Originals Document Browser

Document Data

Description

Document Status Work Request Not Released

CM Relevant

User

Lab/Office

Change Number Valid From

Authorization Group

Superior Document

Document Type Part Version

Originals

Appl.	Application	Storage Cat.	File Name
• WRD	Microsoft Word	ZDMS	Test.docx

LeverX Contact Information



★ LeverX, Inc.

- **Headquarters: 800 West El Camino Real, Suite 180
Mountain View, CA 94040 USA**
- **Web Site Links**
 - ◆ LeverX.com
 - ◆ LeverX.com/datamigration
- **Email: sales.mail@LeverX.com**