Map Exchange Tool

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Goal: Reduce the cost and duration of a migration to IBM's B2B Integrator or IBM's Transformation Extender

Features
- Multiple source formats: OpenText AI, Seeburger, Gentran (MVS, AS400, Windows, Director), B2B Integrator
- Output either ITX or B2Bi
- Creates a Mapping Requirements Specification (MRS) document in Excel
- Options to create Doc only, create left and right formats only, or create map with links
- Documentation flagged with successful and unsuccessful mappings with color coding to simply updates
- Creates directory structure for each source map (directories for data, documentation, trees, schemas, maps)
- Creates type trees / source and target formats for both input and output formats with field mappings
- Mapping rules are captured and placed in comments in the target map
- Storage in central database enables data analysis across all maps
- Processing can be done one or multiple at a time against a directory of maps
- Additional iterations can be run with custom logic for mappings that were unsuccessful

Mapping Tool Suite

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Map Exchange (MapEx)
- Converts maps from a different EDI solution
  - Source: Gentran(all platforms), Seeburger, OpenText AI, B2Bi
  - Targets: B2Bi or ITX
  - Same source and target formats
  - Documents maps and provides mapping guide to complete
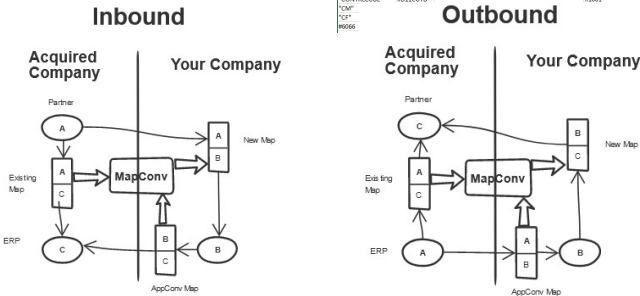
Map Build (MapBuild)
- Creates maps from a Mapping Requirement Specification
- Simplifies map building
- Creates temp fields and maps from spec

Map Conversion (MapConv)
- Converts maps to different Target
- Mergers/Acquisitions
- ERP changes

Report shows what **could and could not** be converted

Inbound   **Outbound**

Import Source Maps
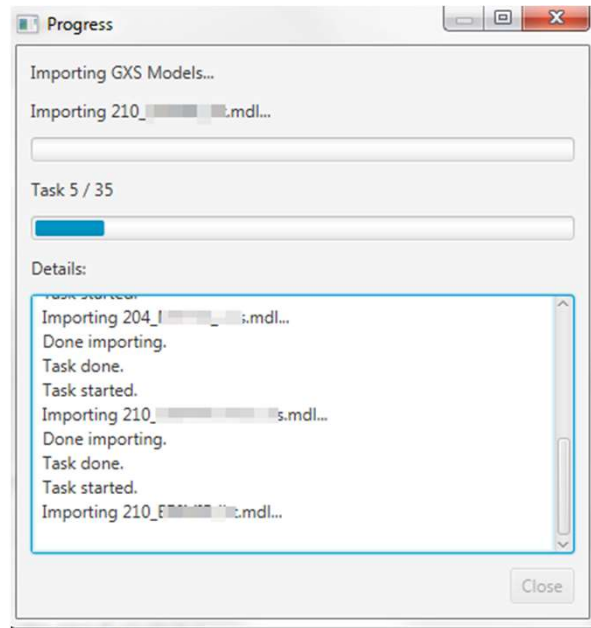
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Gentran
- Mainframe & AS400
  - Uses Pairs of Mapping Reports EBDI052 and EBDI053 (Standard and Application)
- NT, Director & UNIX AI Mapper
  - Uses ".map" binary source file
- UNIX Visual Mapper (.vmp)

B2Bi (SI, GIS)
- Uses either the ".map" binary source file or the newer ".mxl" XML map file

Open Text AI (GXS AI)
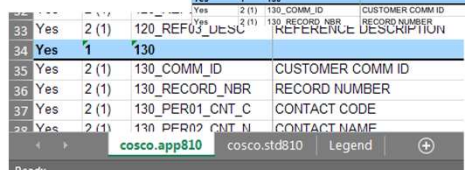- Uses Pairs of ".mdl" Model Files

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Export Excel Mapping Report

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Every map converted from any source includes autogenerated documentation showing:

- Data Structure
- Fields Links
- Data Types, Formatting, Length, Positioning, etc.
- Rules

Excel Tabs show map from both Input and Output + a Legend

Legend:
- Title
- Header
- Group
- Segment Record
- Composite
- Composite Child
- Link Info requiring human intervention
- Attention needed for dataType

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Export Converted Map

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Outputs are either **B2Bi MXL Maps** or **ITX Map Projects**

MRS (Excel) ITX SI

Export SI Project

☑ Open map after export

Progress

Exporting ITX Project...

Building ITX MMS Map...

Task 0 / 1

Details:

Task started.
Converting...
Initializing...
Building MRS...
Extracting original source...
Building ITX Temp Type Tree...
Building ITX Input Type Tree...
Building ITX Output Type Tree...
Building ITX MMS Map...

Close

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Identified Human Intervention

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EDI:								
Active	Level	Name	Description	Linked From Record	Linked From Field	Link Path	Ext. Rule
Yes	2 (1)	PER 07 [PER_07_0365]	COMMUNICATION NU				
Yes	2 (1)	PER 08 [PER_08_0364]	COMMUNICATION NU				
Yes	2 (1)	PER 09 [PER_09_0443]	CONTACT INQUIRY				
Yes	**1**	**DTM**					
Yes	2 (1)	DTM 01 [DTM_01_0374]	DATE/TIME QUALIF	180	180_DTM01_QLF	180-DTM01-QLF DATE/TIME QUALIFIER 3 AN	
Yes	2 (1)	DTM 02 [DTM_02_0373]	DATE	180	180_DTM02_DATE	180-DTM02-DATE DATE 8 CY	
Yes	2 (1)	DTM 03 [DTM_03_0337]	TIME				
Yes	2 (1)	DTM 04 [DTM_04_0623]	TIME CODE				
Yes	2 (1)	DTM 05 [DTM_05_1250]	DATE TIME PERIOD				
Yes	2 (1)	DTM 06 [DTM_06_1251]	DATE TIME PERIOD				

Report shows what **could and could not** be converted

Notes	Data Type	Format	C/M	Min	Max	Conditions
	String	Any	C	2	2	
	String	Any	C	1	256	
	String	Any	C	1	20	
	Segment		**C**	**0**	**10**	
	String	Any	M	3	3	Target Looping Level deeper than source
	DateTime	yyyyMMdd	C	8	8	Target Looping Level deeper than source
	DateTime	HHmmssSS	C	4	8	
	String		C	2	2	
	String	Any	C	2	3	
	String	Any	C	1	35	

Title
Header
Group
Segment   Record
Composite
Composite Child
Link Info requiring human intervention
Attention needed for dataType

Highlighted rows show where human intervention is required

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Case Study

Client: Several billion-dollar, online retailer of sportswear, equipment and merchandise.

Use Case: *After a merger with another large online retailer, Client had to standup a brand new EDI solution while consolidating multiple legacy systems, with the primary one being Gentran zSeries.*

Client had to be stood up on a new EDI system (B2Bi) and have all legacy maps migrated over by Jan. 2019, given us only two months to complete the effort. (~250 maps and 50+ trading partners).

Using the ComResource Fast-Start Flex, we were able to stand up the new B2Bi environment in a few short weeks. Soon after, we used our MapEx solution to convert all of the Gentran maps over to the B2Bi format with 95%+ accuracy. ComResource was able to meet the deadline. Without those accelerators, it would have taken the client 9-12 months to complete the above effort and resulted in penalties and missed SLAs

Today, ComResource is actively working to help client consolidate MuleSoft, GoAnywhere, and SPS Commerce, into the IBM Sterling B2Bi platform.

Products: *IBM Sterling B2Bi with ComResource Fast-Start Flex and ComResource MapEx for map conversion.*

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