



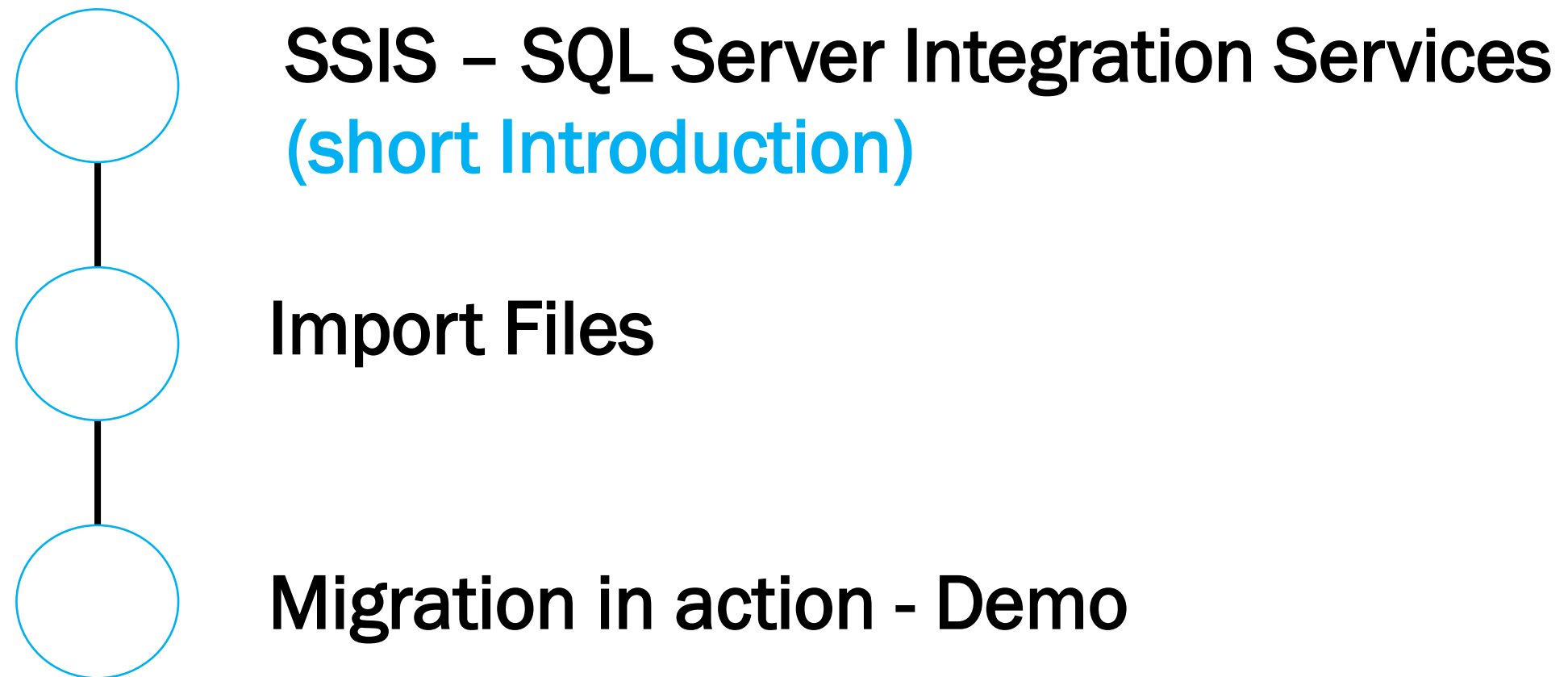
Data Migration

Presenter

Dimitris Emmanoulopoulos – Data Architect



OneDealer Migration





OneDealer Migration - SSIS



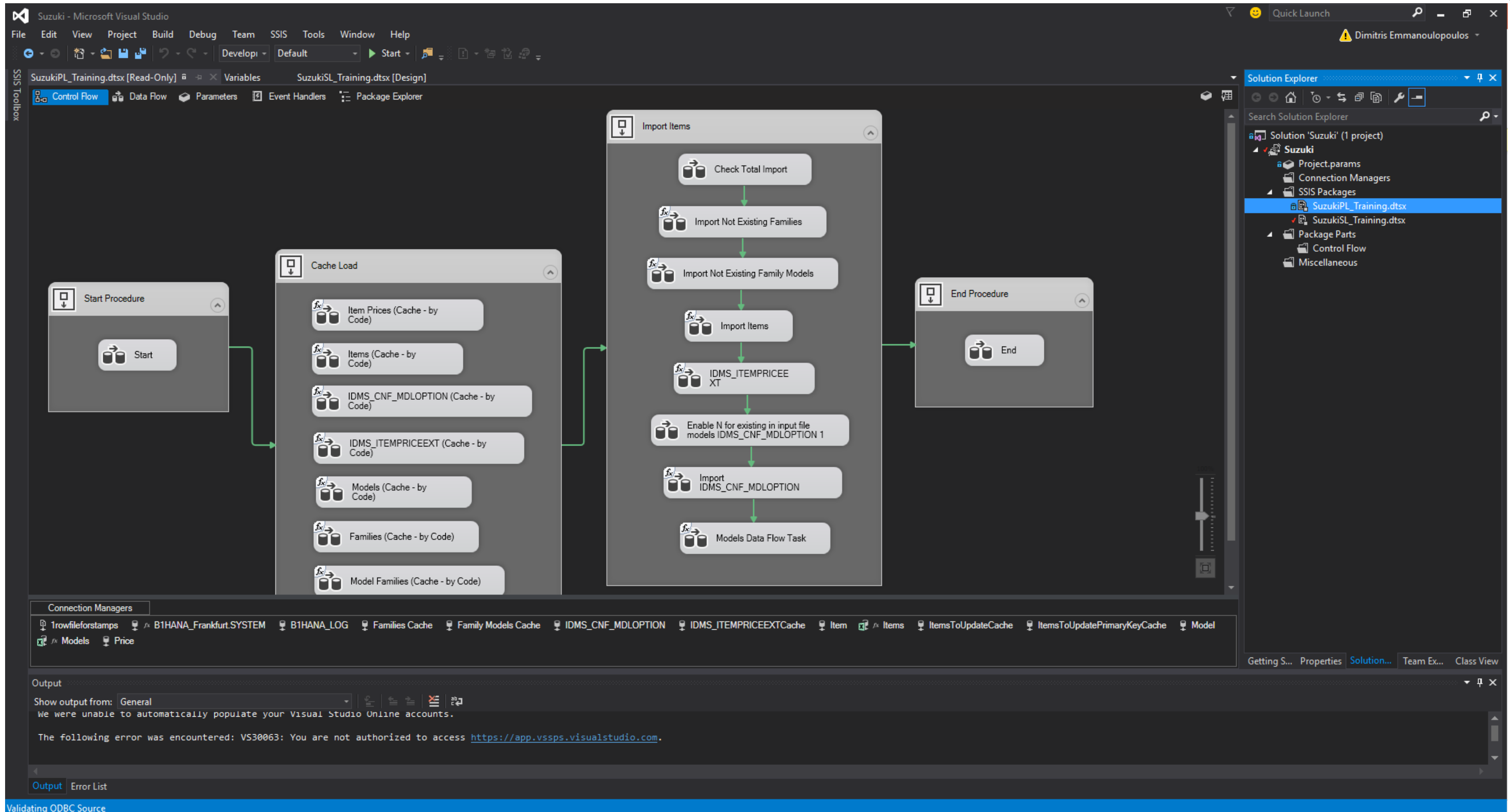
Microsoft Integration Services is a platform for building enterprise-level data integration and data transformations solutions. Integration Services solve complex business problems by copying or downloading files, loading data warehouses, cleansing and mining data, and managing SQL Server objects and data.

Integration Services can extract and transform data from a wide variety of sources such as XML data files, flat files, and relational data sources, and then load the data into one or more destinations.

Integration Services includes a rich set of built-in tasks and transformations, graphical tools for building packages, and the Integration Services Catalog database, where you store, run, and manage packages.

You can use the graphical Integration Services tools to create solutions without writing a single line of code. You can also program the extensive Integration Services object model to create packages programmatically and code custom tasks and other package objects.

OneDealer Migration – SSIS Package Design



Suzuki - Microsoft Visual Studio

File Edit View Project Build Debug Team SSIS Tools Window Help

SuzukiPL_Training.dtsx [Read-Only] Variables SuzukiSL_Training.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Start Procedure

- Start

Cache Load

- Item Prices (Cache - by Code)
- Items (Cache - by Code)
- IDMS_CNF_MDLOPTION (Cache - by Code)
- IDMS_ITEMPRICEEXT (Cache - by Code)
- Models (Cache - by Code)
- Families (Cache - by Code)
- Model Families (Cache - by Code)

Import Items

- Check Total Import
- Import Not Existing Families
- Import Not Existing Family Models
- Import Items
- IDMS_ITEMPRICEEXT
- Enable N for existing in input file models IDMS_CNF_MDLOPTION 1
- Import IDMS_CNF_MDLOPTION
- Models Data Flow Task

End Procedure

- End

Connection Managers

- 1rowfileforstamps
- B1HANA_Frankfurt.SYSTEM
- B1HANA_LOG
- Families Cache
- Family Models Cache
- IDMS_CNF_MDLOPTION
- IDMS_ITEMPRICEEXTCache
- Item
- Items
- ItemsToUpdateCache
- ItemsToUpdatePrimaryKeyCache
- Model
- Models
- Price

Output

Show output from: General

We were unable to automatically populate your Visual Studio Online accounts.

The following error was encountered: VS30063: You are not authorized to access <https://app.vssps.visualstudio.com>.

Output Error List

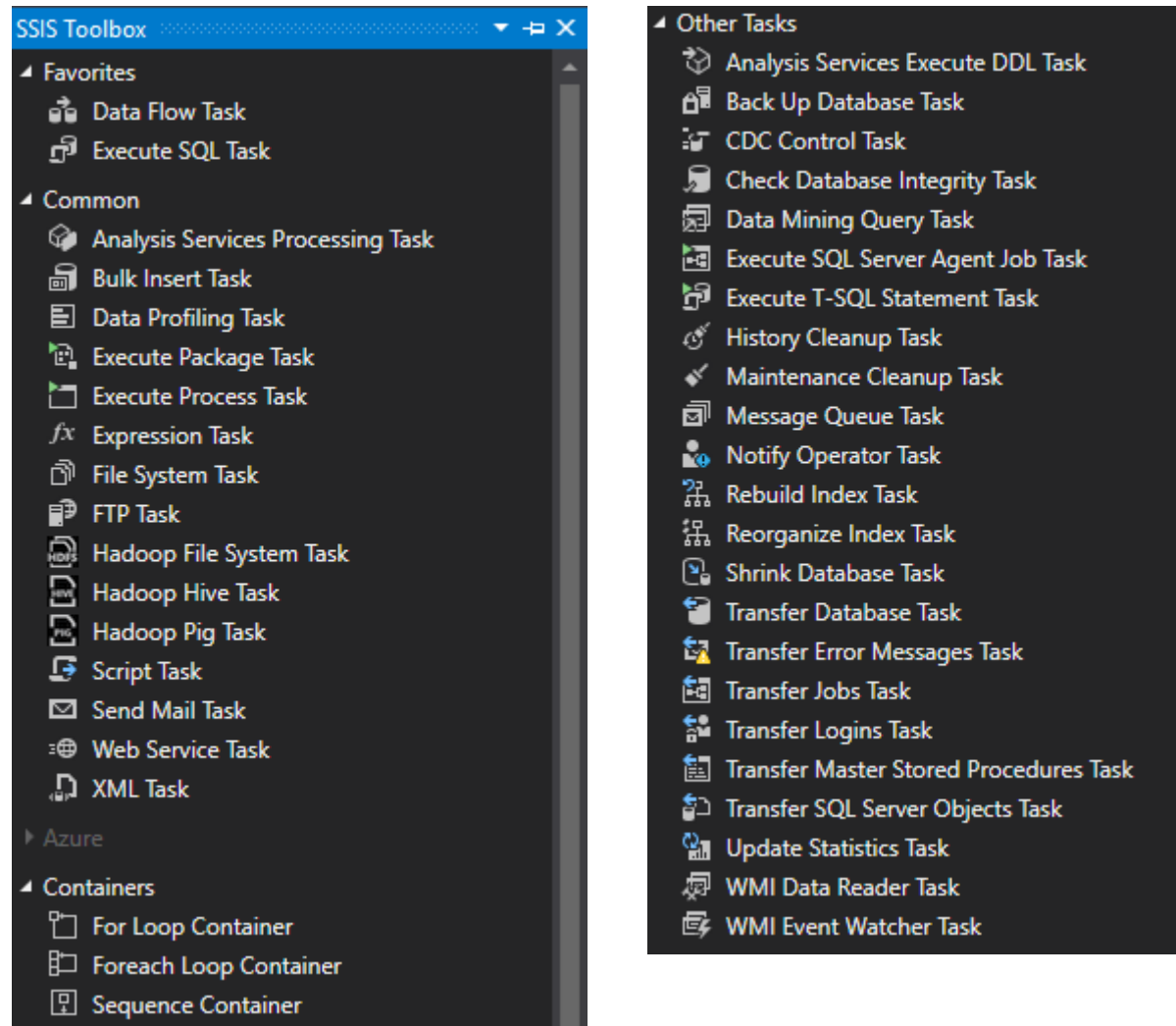
Validating ODBC Source

Solution Explorer

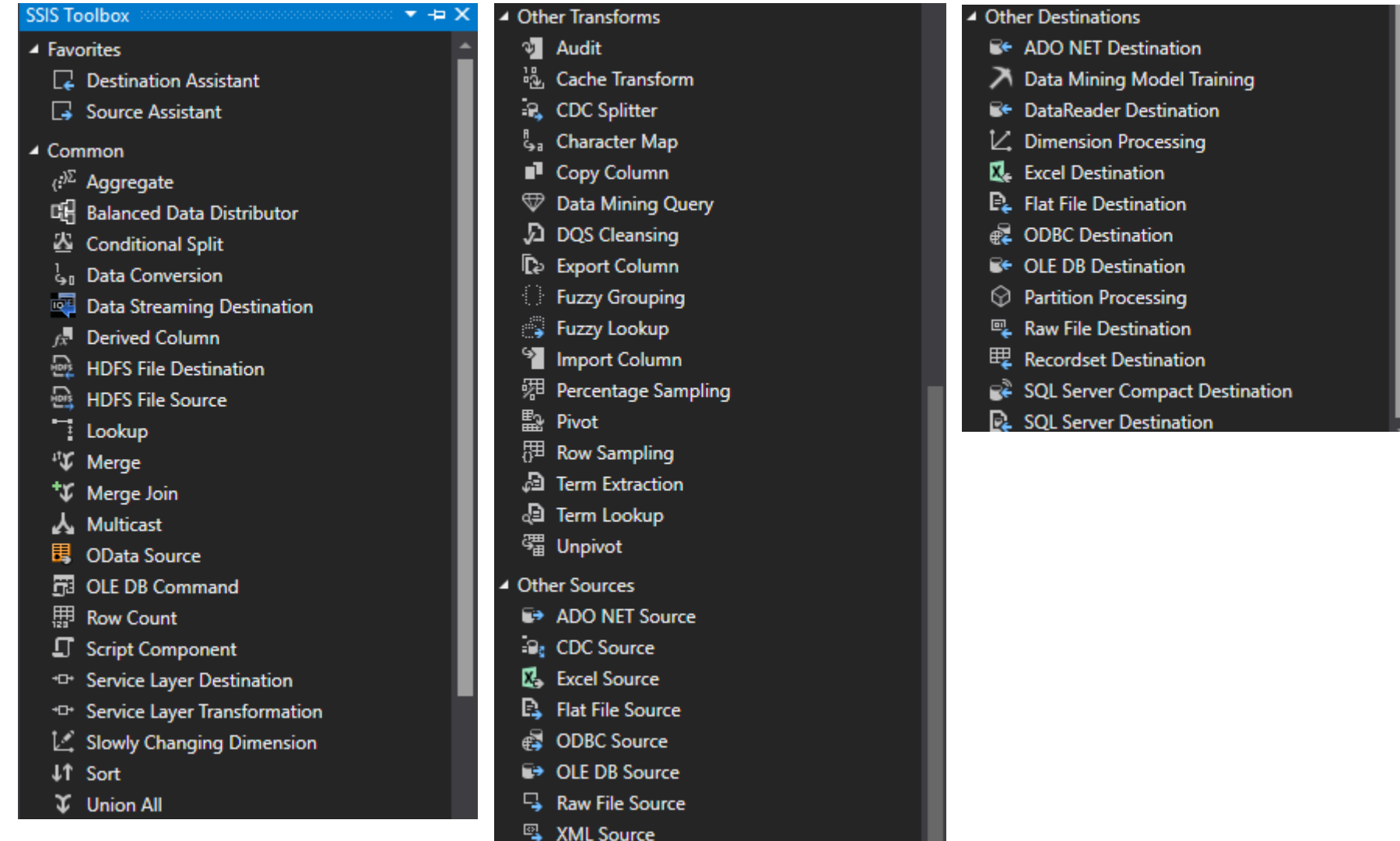
- Solution 'Suzuki' (1 project)
- Suzuki
- Project.params
- Connection Managers
- SSIS Packages
- SuzukiPL_Training.dtsx
- SuzukiSL_Training.dtsx
- Package Parts
- Control Flow
- Miscellaneous

OneDealer Migration – SSIS Toolbox

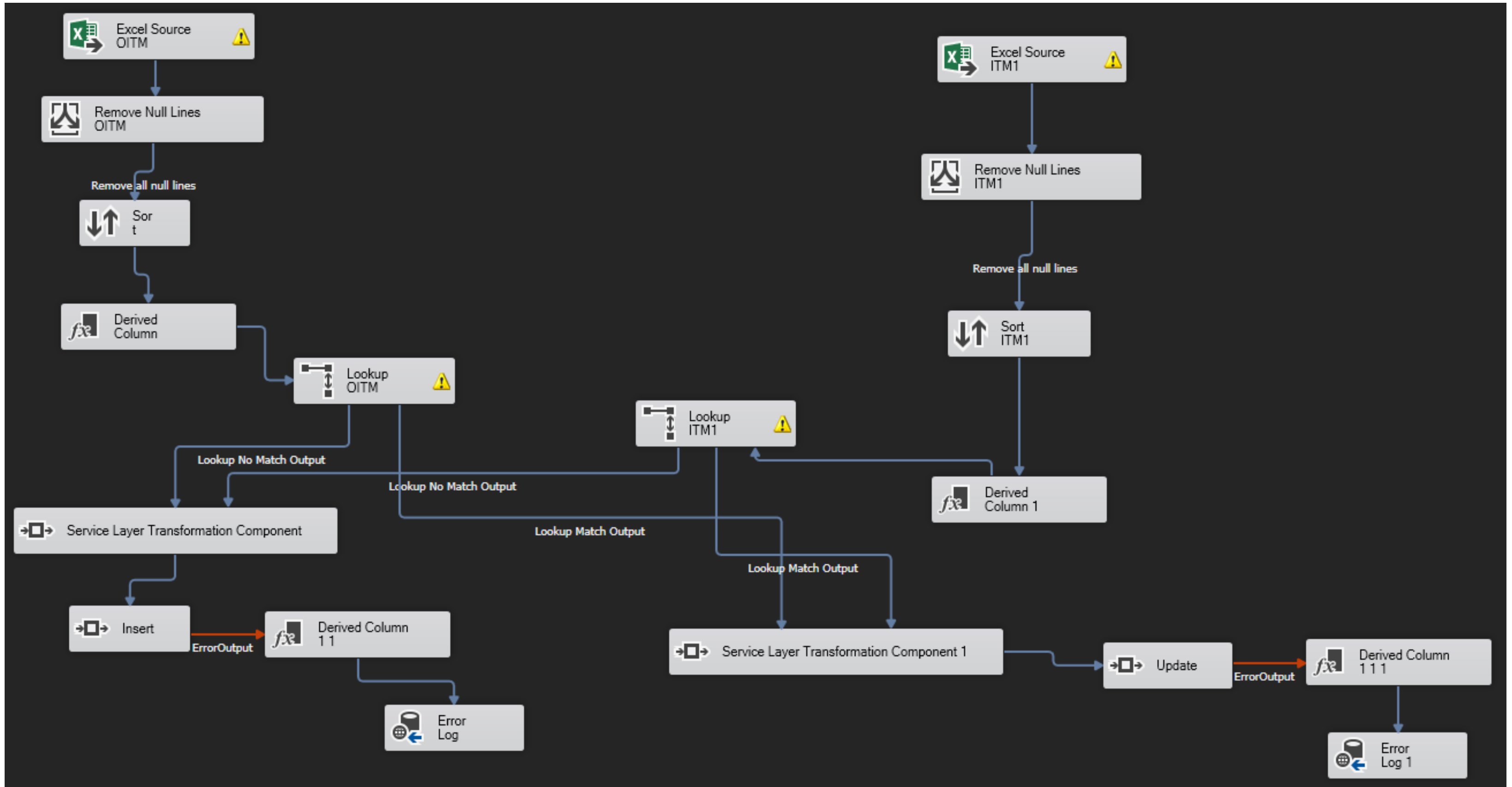
Control flow



Data flow



OneDealer Migration – SSIS Sample Data Flow



OneDealer Migration – SSIS Package Execution



Code	Task Description	SSIS Task Code	Status	Creation Date	Update Date	User ID	Info
eB5gj3N-rU-q3zevbBYTbw	SyncBasicTables.dtsx		Initialized	3/11/2020 9:57:01 AM	3/11/2020 9:57:01 AM	8D65A0D6856248C	
Gd-9aFSH202owoenluHW7A	SyncBasicTables.dtsx		Succeeded	3/11/2020 9:54:50 AM	3/11/2020 9:55:44 AM	8D65A0D6856248C	Duration: 38 secs.
mkoldem2uEGmDPnbqSOx-w	SyncBasicTables.dtsx		Failed	3/11/2020 9:52:10 AM	3/11/2020 9:53:32 AM	8D65A0D6856248C	Duration: 1.1 min. Timestamp: 3/1...
ILG6XimmU0qJSQCpkEYU1A	SyncBasicTables.dtsx		Initialized	3/11/2020 9:49:16 AM	3/11/2020 9:49:16 AM	8D65A0D6856248C	
mrfzrUZlyEib2nRLaoaePg	SyncBasicTables.dtsx		Succeeded	3/11/2020 9:37:12 AM	3/11/2020 9:38:04 AM	8D65A0D6856248C	Duration: 35 secs.
GPqn7hepuEuRUxy49mZrBw	SyncBasicTables.dtsx		Failed	3/11/2020 9:21:01 AM	3/11/2020 9:21:15 AM	8D65A0D6856248C	Duration: 2 secs. Timestamp: 3/11/...
Mzl30FYxSkSAddmPFL0KYg	SyncBasicTables.dtsx		Succeeded	3/11/2020 9:04:20 AM	3/11/2020 9:05:07 AM	8D65A0D6856248C	Duration: 32 secs.
seqLPmOei0KPO3swmXxZfg	SyncBasicTables.dtsx		Succeeded	3/11/2020 8:48:34 AM	3/11/2020 8:49:23 AM	8D65A0D6856248C	Duration: 34 secs.
DBqpBCvaA0-eQSbi52i-kQ	SyncBasicTables.dtsx		Succeeded	3/11/2020 8:39:25 AM	3/11/2020 8:40:11 AM	8D65A0D6856248C	Duration: 30 secs.
_sTLygrc-kCGW-kw3ZtpAA	SyncBasicTables.dtsx		Failed	3/11/2020 8:32:25 AM	3/11/2020 8:32:38 AM	8D65A0D6856248C	Timestamp: 3/11/2020 8:32:35 AM,...
XuO_12Gi1UKQLuTtaxYzrQ	SyncBasicTables.dtsx		Failed	3/11/2020 8:29:36 AM	3/11/2020 8:29:49 AM	8D65A0D6856248C	Timestamp: 3/11/2020 8:29:47 AM,...
ulWFnuxHdku08kUXDANuSA	SyncBasicTables.dtsx		Failed	3/11/2020 8:28:22 AM	3/11/2020 8:28:35 AM	8D65A0D6856248C	Timestamp: 3/11/2020 8:28:33 AM,...

Actions

- Model Tree Sync
- Reorder columns

OneDealer Migration – SSIS Package Execution (Input)



The screenshot displays the 'SSIS Jobs' interface with a modal dialog titled 'Execute SSIS Job' open. The background shows a table of SSIS jobs with columns for Code, Task Description, SSIS, User ID, and Info. The modal dialog is titled 'Execute SSIS Job' and contains a section for 'Model Tree Sync' with four items: XMLFamily, XMLMake, XMLVehicle, and XMLModel. Each item has a 'Select' button, a 'Done' status, and a file name with size. The 'XMLModel' item is highlighted with a blue border. At the bottom of the modal are 'Cancel' and 'Execute' buttons.

Code	Task Description	SSIS	User ID	Info
eB5gj3N-rU-q3zevbBYTbw	SyncBasicTables.dtsx		8D65A0D6856248C	
Gd-9aFSH202owoenluHW7A	SyncBasicTables.dtsx		8D65A0D6856248C	Duration: 38 secs.
mkoldem2uEGMDPnbqSOx-w	SyncBasicTables.dtsx		8D65A0D6856248C	Duration: 1.1 min. Timestamp: 3/1/...
ILG6XimmU0qJSQCpkEYU1A	SyncBasicTables.dtsx		8D65A0D6856248C	
mrfzrUZlyEib2nRLaoaePg	SyncBasicTables.dtsx		8D65A0D6856248C	Duration: 35 secs.
GPqn7hepuEuRUxy49mZrBw	SyncBasicTables.dtsx		8D65A0D6856248C	Duration: 2 secs. Timestamp: 3/11/...
Mzl30FYxSkSAddmPFL0KYg	SyncBasicTables.dtsx		8D65A0D6856248C	Duration: 32 secs.
seqLPmOei0KPO3swmXxZFg	SyncBasicTables.dtsx		8D65A0D6856248C	Duration: 34 secs.
DBqpBCvaA0-eQSbi52i-kQ	SyncBasicTables.dtsx	Succeeded	8D65A0D6856248C	Duration: 30 secs.
_sTLygrc-kCGW-kW3ZtpAA	SyncBasicTables.dtsx	Failed	8D65A0D6856248C	Timestamp: 3/11/2020 8:32:35 AM,...
XuO_12Gi1UKQLuTtaxYzrQ	SyncBasicTables.dtsx	Failed	8D65A0D6856248C	Timestamp: 3/11/2020 8:29:47 AM,...
uiWFnuxHdku08kUXDANuSA	SyncBasicTables.dtsx	Failed	8D65A0D6856248C	Timestamp: 3/11/2020 8:28:33 AM,...

Execute SSIS Job

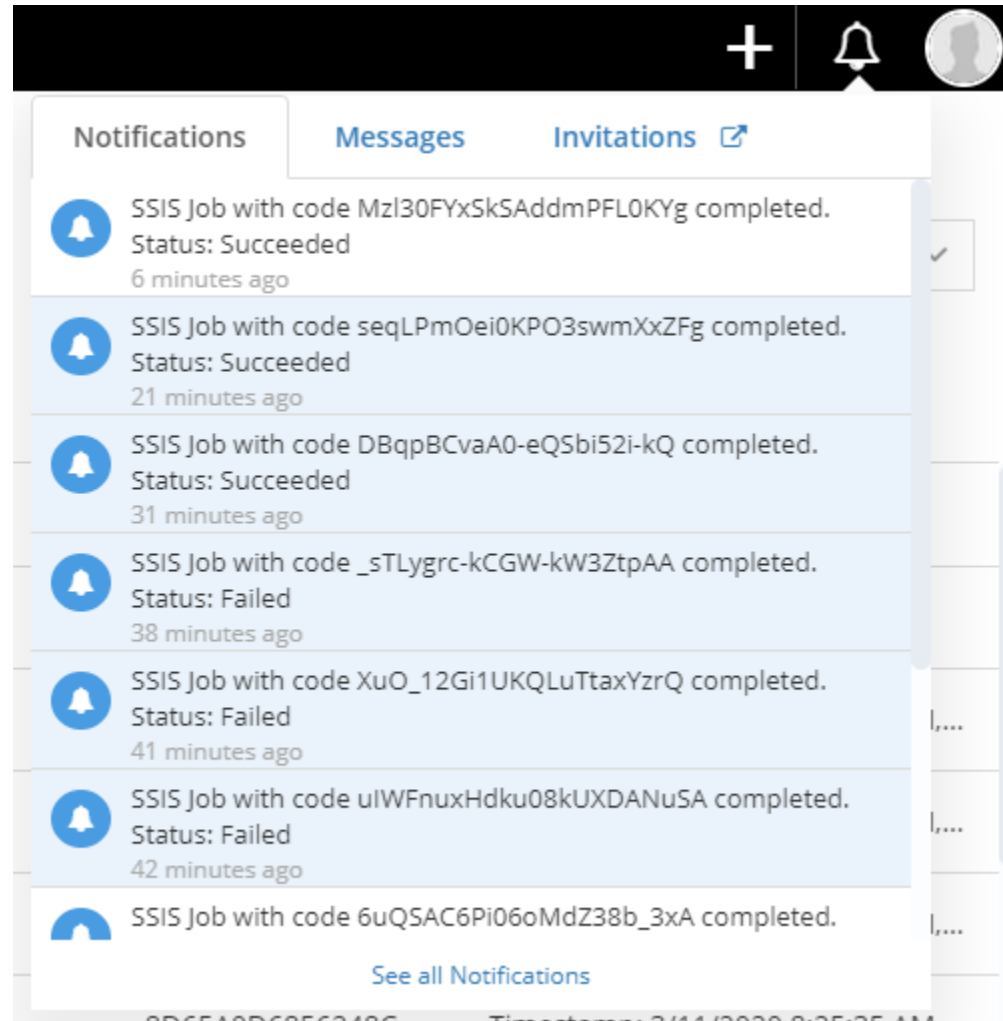
Model Tree Sync

XMLFamily *	Select	Done	×	XMLMake *	Select	Done	×
Family.xml 0.76 KB				Make.xml 0.54 KB			
XMLVehicle *	Select	Done	×	XMLModel *	Select	Done	×
Vehicle.xml 23.84 KB				Model.xml 13.36 KB			

Form Personalization

Cancel Execute

OneDealer Migration – SSIS Package Execution (Log)



Notifications Messages Invitations

- SSIS Job with code MzI30FYxSkSAddmPFL0KYg completed. Status: Succeeded 6 minutes ago
- SSIS Job with code seqLPmOei0KPO3swmXxZFg completed. Status: Succeeded 21 minutes ago
- SSIS Job with code DBqpBCvaA0-eQSbi52i-kQ completed. Status: Succeeded 31 minutes ago
- SSIS Job with code _sTLygrc-kCGW-kw3ZtpAA completed. Status: Failed 38 minutes ago
- SSIS Job with code XuO_12Gi1UKQLuTtaxYzrQ completed. Status: Failed 41 minutes ago
- SSIS Job with code uiWFnuXHdku08kUXDANuSA completed. Status: Failed 42 minutes ago
- SSIS Job with code 6uQSAC6Pi06oMdZ38b_3xA completed.

[See all Notifications](#)

ion Date	Update Date	User ID	Info
2020 8:48:34 AM	3/11/2020 8:49:23 AM	8D65A0D6856248C	Duration: 34 secs.
2020 8:39:25 AM	3/11/2020 8:40:11 AM	8D65A0D6856248C	Duration: 30 secs.
2020 8:32:25 AM	3/11/2020 8:32:38 AM	8D65A0D6856248C	Timestamp: 3/11/2020 8:32:35 AM,...
2020 8:29:36 AM			Timestamp: 3/11/2020 8:32:35 AM, ErrorCode: -1071582144, Description: The file "C:\SSISImportFiles\MODEL TREESYNC\Vehicle.xml" was not found. Please verify the file path and try again.
2020 8:28:22 AM			Timestamp: 3/11/2020 8:32:35 AM, ErrorCode: -1073450901, Description: "XML Source" failed validation and returned validation status "VS_ISBROKEN".
2020 8:28:22 AM			Timestamp: 3/11/2020 8:32:35 AM, ErrorCode: -1073450996, Description: One or more component failed validation.
2020 8:28:22 AM			Timestamp: 3/11/2020 8:32:35 AM, ErrorCode: -1073594105, Description: There were errors during task validation.
2020 8:25:29 AM	3/11/2020 8:25:38 AM	8D65A0D6856248C	Timestamp: 3/11/2020 8:25:35 AM,...
2020 11:18:51 AM	3/10/2020 11:19:37 AM	8D65A0D6856248C	Duration: 32 secs.

OneDealer Migration – SSIS Input Files



- File types may be text, csv, xlsx, xml
- For each entity (table) a file contains entity's data (text,csv)
- For xlsx file types we can have 1 to many excel files containing excel sheets that contain data to import
- A header must define the fields (columns) of the import file (in case of text,csv, xlsx)
- For xml file type a relative xsd file must exist

Sample import file for Business Partners

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	CardCode	CardName	CardType	GroupCode	CmpPrivate	Address	StreetNo	ZipCode	City	Country	Phone1	Phone2	Fax	CntctPrsr
2	K1000001	Customer 1	C	100	C	address 1	1	14793	Ziesar	DE	+49 33830 65622			Contact 1
3	K1000002	Customer 2	C	100	I	address 2	10 B	09235	Burkhardtsdorf	DE	+49 3735 608890			Contact 2
4														
5														