

# Tax – Data Workbench

## Funtionality and Process Details

By Paul Deis

As of August 22, 2019

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**Summary**

This document contains details of processes, keyed to steps in the process flow diagram, to provide details of specific steps in the process that cannot be captured on the diagram itself.

URLs – for UAT environment. Production environment URLs are the same, less the “UAT” portion - <https://dataworkbench.ah4r.com/Home/>

**Data Workbench - User Interfaces and Functional descriptions**

**Home Screen – UI**

<https://dataworkbenchuat.ah4r.com/Home/>



The Data Workbench is an application that allows simple mini-apps to be created and implemented in the data workbench is created by a developer using tools and specifically designed to replace key functionality of Microsoft Excel as it pertains to how a user uses it.

Please select the application you would like to use:

- Core Systems
- Fixed Asset
- Revenue Apportionment

### Core Systems - UI

<https://dataworkbenchuat.ah4r.com/Home/Index?ApplicationId=4>



The Data Workbench is an application that allows simple mini-apps to be created in the control environment of AH. implemented in the data workbench is created by a developer using tools and features (and the underlying architecture) specifically designed to replace key functionality of Microsoft Excel as it pertains to how a user uses it.

Please select the application you would like to use:

- Core Systems
- Fixed Asset
- Revenue Apportionment

**Upload Files – UI & SharePoint Destinations**

[https://spuat.ah4r.com/sites/DataWorkBench/\\_layouts/15/start.aspx#/Shared%20Documents/Forms/AllItems.aspx](https://spuat.ah4r.com/sites/DataWorkBench/_layouts/15/start.aspx#/Shared%20Documents/Forms/AllItems.aspx)

<https://dataworkbenchuat.ah4r.com/Upload>



## File Upload

Please select the application you are uploading a file for and the file you are uploading.

Upload Type: 

All TRS Activity
Book Tax Difference
Deloitte Depreciation
Manual REIT RollForward
Monthly Tax Group Map
Tax Asset Type Map
Tax Revenue Adjustment

File:

This function prompts for the selection of which type of file is to be uploaded, then uploads the file selected by the user, assigns a name to the file based on the prompt (not the actual name of the file in the user's folder), then places it in a specified Share Point folder.

Please refer to the ETL specification in Appendix 2 for specific details as to how the ETL process works to insert these files into SQL staging tables. They are then processed into Data Workbench tables by one of the stored procedures in the scheduled processing sequence. The types of files, and the template required for each are shown below.

Upload Files – Templates & Format Requiriements

All Tax TRS Activity

	Owner_per						Contributor					Secondary_ Sale_Date_Pe				
1	_CRM	Property_ID	Address	City	State	Unit_Status	ment	_Per_Agree	Dwelling_ Type	Purchase_ Date	Transferred_ Date	Initial_Agree ment_Type	Back_to_LP_ Date	Agreement_ Type	r_Disposition_ Report	Post Month
2	text	text	text	text	text	text	text	text	text	Format: yyyy-MM-dd	Format: yyyy-MM-dd	text	Format: yyyy-MM-dd	text	Format: yyyy-MM-dd	Format: yyyy-MM-dd
3																
4	<p>Notes:</p> <p>If fields with specific requirements contains in another format, the upload / import process will fail as a consequence.</p> <p>Date fields or integer fields cannot contain text, nor should they be blank. If you don't have a valid entry, recommend entering a "dummy" value.</p> <p>9/25/18 Revision Note - Column O; Tax Period, a text field, has been replaced by Post Month, a date field.</p>															
5																
6																
7																
8																
9																
10																
11																
12																
13																



Book Tax Difference

PropertyID	EntityID	EntityCode	Account	Description	PlacedInServiceDate	Amount	State	PostMonth
text	Format: integer; numbers only (no text or special characters)	text	Format: integer; numbers only (no text or special characters)	text	Format: yyyy-MM-dd	Format: 999,999,999.00 - no text	text	text

**Notes:**  
 If fields with specific requirements contains in another format, the upload / import process will fail as a consequence.  
 Date fields or integer fields cannot contain text, nor should they be blank. If you don't have a valid entry, recommend entering a "dummy" value.

Deloitte Depreciation

PropNo	Original_Book_System_ID	Original_Tax_System_ID	Asset_ID	Location	Asset_Group	Asset_Type	Asset_Status	Description	Description	Acquisition Date	Year_in_Service	PIS_Month	Federal_Tax_Fact_Pattern_Life	Federal_Tax_Fact_Pattern_Method	Federal_Tax_Beginning_Balance	Federal_Tax_Cost_Additions	Federal_Tax_Cost_Disposals	Federal_Tax_Cost_Transfer_Out	Federal_Tax_Cost_Ending_Balance	Federal_Tax_Depreciation_Period	Federal_Tax_Net_Book_Value	Total_Cost	Transfers_Out	Jurisdiction
text	text	text	Format: integer; numbers only (no text or special characters)	text	text	text	text	text	text	Format: yyyy-MM-dd	Format: integer; numbers only (no text or special characters)	Format: integer; numbers only (no text or special characters)	Format: 999,999,999.00 - no text	text	text	Format: 999,999,999.00 - no text	Format: 999,999,999.00 - no text	Format: 999,999,999.00 - no text	Format: 999,999,999.00 - no text	Format: 999,999,999.00 - no text	Format: 999,999,999.00 - no text	Format: 999,999,999.00 - no text	Format: 999,999,999.00 - no text	text

**Notes:**  
 If fields with specific requirements contains in another format, the upload / import process will fail as a consequence.  
 Date fields or integer fields cannot contain text, nor should they be blank. If you don't have a valid entry, recommend entering a "dummy" value.

Manual REIT Roll Forward - Tax Roll Forward Manual Detail

1	OrgOource	ImSource	CAPEX	Date	Debit	Credit	Net	Month	Control	Refer	Refer_2	Description	Remarks	CreatedOn	CreatedBy
2	Text	Text	Text	Format: yyyy-MM-dd	Format: 999,999,999.00	Format: 999,999,999.00	Format: 999,999,999.00	Format: yyyy-MM-dd	Text	Text	Text	Text	Text	Format: yyyy-MM-dd	Text
3					no text	no text	no text				46	3	46	51	10

Monthly Tax Group Map

1	EntityID	EntityCode	EntityName	PropertyList	Portfolio	TaxGroup	Notes	PostMonth
2	Format: integer; numbers only (no text or special characters)	text	text	text	text	text	text	Format: yyyy-MM-dd

Notes:  
 If fields with specific requirements contains in another format, the upload / import process will fail as a consequence.  
  
 Date fields or integer fields cannot contain text, nor should they be blank. If you don't have a valid entry, recommend entering a "dummy" value.

*Tax Asset Type Map*

Account	AssetClass	AssetType	PostMonth
Format: integer; numbers only (no text or special characters)	text	text	Format: yyyy-MM-dd
<p><b>Notes:</b>                      If fields with specific requirements contains in another format, the upload / import process will fail as a consequence.</p> <p>Date fields or integer fields cannot contain text, nor should they be blank. If you don't have a valid entry, recommend entering a "dummy" value.</p>			

*Tax Revenue Adjustment*

Account_Number	Account_Description	Property	Segmeent_3	Post-Month	Debit	Credit	Net	Reference	State	Tax_Group	Notes
Format: integer; numbers only (no text or special characters)	text	text	text	Format: yyyy-MM-dd	Format: 999,999,999.0	Format: 999,999,999.0	Format: 999,999,999.0	text	text	text	text
					0 - no text	0 - no text	0 - no text				

**Manage Tax Periods - UI**

<https://dataworkbenchuat.ah4r.com/TaxPeriod/DisplayQueueGrid>

Tax Period Name	Start Date	End Date	Tax Group	Notes
2015	2014-01-01	2015-12-31		2015 and prior
2016	2016-01-01	2016-12-31		2016
2017	2017-01-01	2017-12-31		2017
2018	2018-01-01	2018-12-31		2018
2019	2019-01-01	2019-12-31		2019

**Chart of Accounts - UI**

<https://dataworkbenchuat.ah4r.com/ChartOfAccounts/DisplayQueueGrid>

**Updated 8/22/19 – changed Revenue flag column to Revenue Account Group**

**Notes on functioning:**

- Existing Revenue items have been assigned to the group “All Revenue”.
- Typing in a new item and saving will cause a new revenue group to be created. You can then add other items to this same group by simply entering that same text for them also.
- You can set an item back to not being part of any revenue group by entering 0, NULL, or an empty space. This also turns the revenue indicator off for that item behind the scenes.

AMERICAN Homes 4 [Upload File\(s\)](#) [Manage Tax Periods](#) [Chart of Accounts](#) [Tax Period Close](#) [Data Locks](#)

[Upload Tax Group Map](#) [Manage Tax Periods](#)

### Chart of Accounts

Tax Period 2019


[Clear All Filters](#)

Account	Account Description	Balance Type	Account Type	Report Type	Fixed Asset	Depreciation	Book Tax Difference	Revenue Account Group
1016040	CNB NCAROLINA UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016050	CNB TAMPA UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016080	CNB SCAROLINA UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016070	CNB MIAMI UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016080	CNB CHICAGO UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016200	CNB NEVADA UTILITY DEBIT CARD 22843	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016210	CNB NEVADA I UTILITY DEBIT CARD 23904	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016220	CNB NEVADA II UTILITY DEBIT CARD 23912	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016230	CNB NEVADA III UTILITY DEBIT CARD 23890	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016240	CNB NEVADA IV UTILITY DEBIT CARD 24250	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016250	CNB NEVADA V UTILITY DEBIT CARD 13512	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016500	CNB NORTH CAROLINA II UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016510	CNB CHICAGO II UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016520	CNB GEORGIA UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016530	CNB HOUSTON UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016540	CNB ARIZONA UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016550	CNB ILLINOIS UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016580	CNB DALLAS UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016570	CNB TENNESSEE UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1016580	CNB WASHINGTON UTILITY DEBIT CARD	Debit	Regular	BAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

No changes have been detected.

**Tax Period Close - UI**

https://dataworkbenchuat.ah4r.com/TaxPeriodClose/DisplayQueueGrid


Upload File(s)
Manage Tax Periods
Chart of Accounts
Tax Period Close

Upload Tax Group Map
Manage Tax Periods
Manage Tax Period Close Dates

## Manage Tax Period Close Dates

**Tax Period** 2015 v

[Clear All Filters](#)

Tax Group <span style="font-size: 0.8em;">Y N</span>	Fixed Asset Close Date <span style="font-size: 0.8em;">Y N</span>	Depreciation Close Date <span style="font-size: 0.8em;">Y N</span>	Revenue Close Date <span style="font-size: 0.8em;">Y N</span>
AHTRS	2018-03-20	9999-12-31	9999-12-31
Alaska II	2018-03-20	9999-12-31	9999-12-31
ARP TRS	2018-03-20	9999-12-31	9999-12-31
BZ TRS	2018-03-20	9999-12-31	9999-12-31
K-1 pick up	2018-03-20	9999-12-31	9999-12-31
LP	2018-03-20	9999-12-31	9999-12-31
n/a	2018-03-20	9999-12-31	9999-12-31
REIT	2018-03-20	9999-12-31	9999-12-31
RJ1	2018-03-20	9999-12-31	9999-12-31
RJ2	2018-03-20	9999-12-31	9999-12-31
Sponsor	2018-03-20	9999-12-31	9999-12-31
UNKNOWN	2018-03-20	9999-12-31	9999-12-31

### Fixed Asset – App - UI

https://dataworkbenchuat.ah4r.com/Home/Index?ApplicationId=2

AMERICAN Homes

All Rollforward Exceptions - Tax Rollforward Category - Reports -

The Data Workbench is an application that allows simple mini-apps to be created in the control environ  
implemented in the data workbench is created by a developer using tools and features (and the under)  
designed to replace key functionality of Microsoft Excel as it pertains to how a user uses it.

Please select the application you would like to use:

Core Systems

Fixed Asset

Revenue Apportionment

### All Rollforward Exceptions – UI Dropdown

AMERICAN Homes

All Rollforward Exceptions - Tax Rollforward Category -

FA Rollforward Exceptions  
Rollforward Exceptions Update  
Rollforward Exceptions Approval

The Data Workbench is an application that allows simple mini-apps to be created in the c  
implemented in the da using tools and features (ai  
designed to replace ke pertains to how a user uses i

Please select the application you would like to use:

Core Systems

Fixed Asset



Revenue Apportionment

**FA Rollforward Exceptions – UI Edit**

Screen title is ‘All Exceptions’

Source of data – MAFixedAsset.TaxRollForwardManualDetailException\_Insert.

The source table is populated by MAFixedAsset.TaxRollForwardManualDetailException\_Insert.sql stored procedure. The UI retrieves the data from this table, displays it on the screen.

 <span style="float: right;">Revenue Exception   Reports -   Paul Deis @ AH4R   </span>																	
<span>Upload Tax Group Map &amp; Tax TRS All Activity</span> <span>Preliminary REIT RollForward Report</span> <span>View Exceptions</span>																	
All Exceptions																	
Transaction Number	GL Property	Tax Property	Property State	Account	Account Description	Amount	Post Month	Post Date	Segment3	Segment4	Reference Value	Manual Reference Value	AccountingBookName	Notes	Status Name	Create Date	Reason
J-2523644	4rtsaje	IL00271	IL	1510050	LAND	47.74	2015-04-01	2015-04-30			IL00271 - Transfer assets from 4RIL01R to AHTRS :R	XFR	Accrual Cons	Rev batch 30095 - IL00271 - Transfer assets from 4RTSAJE to AHTRS	Approved	2016-08-04	Could not map Property ID.
J-2049376	4rtsaje	IL00271	IL	1510050	LAND	47.74	2015-03-01	2015-03-31			IL00271 - Transfer assets from 4RIL01R to AHTRS		Accrual Cons	IL00271 - Transfer assets from 4RTSAJE to AHTRS	Approved	2016-09-13	Could not map Property ID.
J-2280258	4rtsaje	IL00271	IL	1510050	LAND	-47.74	2015-03-01	2015-03-31			IL00271 - Transfer assets from 4RIL01R to AHTRS :R		Accrual Cons	IL00271 - Transfer assets from 4RTSAJE to AHTRS	Approved	2016-09-13	Could not map Property ID.
J-2049376	4rtsaje	IL00271	IL	1510200	BUILDING	190.95	2015-03-01	2015-03-31			IL00271 - Transfer assets from 4RIL01R to AHTRS		Accrual Cons	IL00271 - Transfer assets from 4RTSAJE to AHTRS	Approved	2016-09-13	Could not map Property ID.
J-2280258	4rtsaje	IL00271	IL	1510200	BUILDING	-190.95	2015-03-01	2015-03-31			IL00271 - Transfer assets from 4RIL01R to AHTRS :R		Accrual Cons	IL00271 - Transfer assets from 4RTSAJE to AHTRS	Approved	2016-09-13	Could not map Property ID.
J-2511701	4rtsaje	IL00271	IL	1510050	LAND	-47.74	2015-04-01	2015-04-30			IL00271 - Transfer assets from 4RIL01R to AHTRS	XFR	Accrual Cons	Rev batch 30095 - IL00271 - Transfer assets from 4RTSAJE to AHTRS	Approved	2016-09-13	Could not map Property ID.



---

**Functions Performed –**

- Identify properties that are assigned to a Tax Property ID vs the Yardi Property / entity ID.
- Active Fields:
  - Tax Property
  - Update Reason Code
- Reference fields – all other fields are view only:
  - Transaction Number – the JE
  - GL Property – Property/entity ID in Yardi GL
  - Account – expense account for the transaction
  - Account Description – Yardi GL transaction for the expense
  - Amount – transaction amount
  - Post month – from GL transaction data
  - Post Date – from GL transaction data
  - Reference Value – text explanation of the Manual Reference Value – assigned by Accounting in the preparation of month-end data.
  - Manual Reference Value – code used for the accounting-performed classification
  - Accounting Book – Accrual or Accrual Consolidated
  - Notes – Note from the GL Transaction.
- 

**Roll Forward Exceptions Update – UI Edit**



Upload Tax Group Map & Tax TRS All Activity | Preliminary REIT RollForward Report | View Exceptions | Update Exceptions

### RollForward Exceptions Update

Transaction Number	GL Property	Tax Property	Update Reason Code	Account	Account Description	Amount	PostMonth	PostDate	Reference Value	Manual Refer
J-26437732	4ranc1s	4ranc1s		1510500	CONSTRUCTION ACCRUAL	1800	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1511000	DISHWASHER	-1006.6	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1510850	STOVE	-500	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1610250	A/D - BUILDING IMPROVEMENTS	3446.99	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437720	4ranc1s	4ranc1s		1510050	LAND	-38941.51	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437731	4ranc1s	4ranc1s		1510050	LAND	38941.51	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1510050	LAND	-38941.51	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1510510	CAPITALIZED COST ACCRUAL	-1800	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1610200	A/D - BUILDING	10025.54	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1510800	HVAC	2145	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1610950	A/D - REFRIGERATOR	172.11	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1510200	BUILDING	-135214.24	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1610100	A/D - LAND IMPROVEMENTS	-5.26	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1510950	REFRIGERATOR	-720	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1611000	A/D - DISHWASHER	228.9	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1610800	A/D - HVAC	91.46	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1610850	A/D - STOVE	-40.9	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1610300	A/D - CARPETING	-15.17	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1510900	WASHER AND DRYER	-377.48	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1510250	BUILDING IMPROVEMENTS	-20319.21	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1611050	A/D - WATER HEATER	-1.98	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1610900	A/D - WASHER AND DRYER	147.64	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4ranc1s	4ranc1s		1610350	A/D - ROOF	-2.43	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4rahlp1	4rahlp1		1610250	A/D - BUILDING IMPROVEMENTS	-3446.99	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4rahlp1	4rahlp1		1610200	A/D - BUILDING	-10025.54	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4rahlp1	4rahlp1		1510510	CAPITALIZED COST ACCRUAL	1800	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	
J-26437732	4rahlp1	4rahlp1		1610950	A/D - REFRIGERATOR	-172.11	2018-01-01	2018-01-01	Entity Cancellation by 12/31/2017	

Tax Rollforward Category – dropdown list UI

The Data Workbench is an application that allows simple data entry and is implemented in the data workbench is created by a developer designed to replace key functionality of Microsoft Excel.

Please select the application you would like to use:

- Core Systems
- Fixed Asset
- Revenue Apportionment

Update Account Grouping – UI Edit

<https://dataworkbenchuat.ah4r.com/TaxRegisterAccounts/DisplayUpdateQueueGrid>

Account Number	Account Description	Month Date	Sort Order	Tax Account Group ID	Tax Account Group
1510050	LAND	2015-04-01	2	3	Fixed Assets
1510055	FMV LAND	2015-04-01	3	3	Fixed Assets
1510100	LAND IMPROVEMENTS	2015-04-01	4	3	Fixed Assets
1510150	SWIMMING POOLS	2015-04-01	5	3	Fixed Assets
1510200	BUILDING	2015-04-01	6	3	Fixed Assets
1510205	FMV BUILDINGS	2015-04-01	7	3	Fixed Assets
1510250	BUILDING IMPROVEMENTS	2015-04-01	8	3	Fixed Assets
1510300	CARPETING	2015-04-01	9	3	Fixed Assets
1510301	CARPET REPLACEMENT	2015-04-01	10	3	Fixed Assets
1510302	FLOORING	2015-04-01	11	3	Fixed Assets
1510350	ROOF	2015-04-01	12	3	Fixed Assets
1510400	REAL ESTATE PURCHASE	2015-04-01	13	2	Cap Accruals
1510500	CONSTRUCTION ACCRUAL	2015-04-01	14	2	Cap Accruals
1510510	CAPITALIZED COST ACCRUAL	2015-04-01	15	2	Cap Accruals
1510750	PERSONAL PROPERTY	2015-04-01	16	3	Fixed Assets
1510800	HVAC	2015-04-01	17	3	Fixed Assets

**Tax Activity Override – UI Edit – Rollforward Activity Override**

https://dataworkbenchuat.ah4r.com/TaxRollForwardDetailOverrides/DisplaySummaryFilterQueueGrid

## Rollforward Activity Override

This UI has 4 distinct functions:

- Initial display – the grid showing years of data and number of transactions for each year. User clicks on the year or transactions data to select which year’s data is to be displayed.

Clear All Filters

<input type="checkbox"/>	Year	Month	Account	Transactions	Overrides
<input type="checkbox"/>	2015			4607326	10733
<input type="checkbox"/>	2016			4424164	132587
<input type="checkbox"/>	2017			4892563	44283
<input type="checkbox"/>	2018			10533600	72114
<input type="checkbox"/>	2019			9466564	254

- Annual data grid – shows transaction and overrides by month. User clicks on one of the fields in a month row to bring up the detail screen:

Clear All Filters

<input type="checkbox"/>	Year <input type="text" value="2019"/>	Month <input type="text" value="1"/>	Account <input type="text"/>	Transactions <input type="text" value="854707"/>	Overrides <input type="text" value="0"/>
<input type="checkbox"/>	2019	1		854707	0
<input type="checkbox"/>	2019	2		846720	0
<input type="checkbox"/>	2019	3		847554	0
<input type="checkbox"/>	2019	4		867830	252
<input type="checkbox"/>	2019	5		852132	0
<input type="checkbox"/>	2019	6		851470	0
<input type="checkbox"/>	2019	7		843168	2
<input type="checkbox"/>	2019	8		876731	0
<input type="checkbox"/>	2019	9		892755	0
<input type="checkbox"/>	2019	10		868366	0
<input type="checkbox"/>	2019	11		865131	0

- Detail display / data grid – shows all transactions for the month, and where present, override category that has been selected.

Clear All Filters

<input type="checkbox"/>	Transaction Number	Entity Id	Property Id	Original Tax Category Name	Original Tax Category Id	Override Tax Category Name	Override Tax Category Id	Tax Group
<input type="checkbox"/>	J-38294159	4hahinc	nc21332			Heitman Transfer NPIS	1080	Heitman 1
<input type="checkbox"/>	J-38294159	4hahinc	nc21333			Heitman Transfer NPIS	1080	Heitman 1
<input type="checkbox"/>	J-38294159	4hahinc	nc21335			Heitman Transfer NPIS	1080	Heitman 1
<input type="checkbox"/>	J-38294159	4hahilc	ga17853			Heitman Transfer NPIS	1080	Heitman 1
<input type="checkbox"/>	J-38294159	4hahinc	nc21329			Heitman Transfer NPIS	1080	Heitman 1
<input type="checkbox"/>	J-38294159	4hahilc	ga17854			Heitman Transfer NPIS	1080	Heitman 1
<input type="checkbox"/>	J-38294159	4hahinc	nc21331			Heitman Transfer NPIS	1080	Heitman 1
<input type="checkbox"/>	J-38294159	4rahdev	ga17854			Heitman Transfer NPIS	1080	LP
<input type="checkbox"/>	J-38294159	4hahinc	nc21334			Heitman Transfer NPIS	1080	Heitman 1
<input type="checkbox"/>	J-38294159	4hahinc	nc21337			Heitman Transfer NPIS	1080	Heitman 1
<input type="checkbox"/>	J-38294159	4hahinc	nc21336			Heitman Transfer NPIS	1080	Heitman 1
<input type="checkbox"/>	J-38294159	4rahdnc	nc21334			Heitman Transfer NPIS	1080	LP
<input type="checkbox"/>	J-38294159	4rahdnc	nc21336			Heitman Transfer NPIS	1080	LP
<input type="checkbox"/>	J-38294159	4rahdnc	nc21335			Heitman Transfer NPIS	1080	LP
<input type="checkbox"/>	J-38294159	4rahdnc	nc21337			Heitman Transfer NPIS	1080	LP
<input type="checkbox"/>	J-38302393	nv12907	nv12907					LP
<input type="checkbox"/>	J-38302393	nv12910	nv12910					LP
<input type="checkbox"/>	J-38302393	nv12898	nv12898					LP
<input type="checkbox"/>	J-38302393	nv12892	nv12892					LP
<input type="checkbox"/>	J-38302393	nv12925	nv12925					LP

1000 rows returned.

Get More Results

Mass Assign Category:

Save

The user assigns Override Tax Category IDs by:

- Using the filters and sort sequence buttons in the headings to bring groups of transactions into view.
- Clicks on those rows that are to have an override tax category assigned.
- Uses the Mass Assign Category function at the bottom of the screen to assign the selected Category to all of the selected transactions..
- Clicks the Save button to initiate the update process.

**Process details:**

Query code from Brian Swift 12/20/19 for this UIs functioning:

First:

```
string sql = @"SELECT
    trd.TaxRollForwardDetailOverrideId
,   trd.TaxRollForwardDetailId
,   trd.TransactionNumber
,   trd.OriginalPropertyId AS EntityId
,   trd.PropertyId
,   trd.Account
,   trd.AccountDescription
,   trd.Amount
,   trd.PostMonth
,   trd.PostDate
,   trd.ReferenceValue
,   trd.ManualReferenceValue
,   trd.OverrideValue
,   trd.Notes
,   trd.AccountingBook
,   trd.OriginalTaxCategoryName
,   trd.OriginalTaxCategoryId
,   trd.OverrideTaxCategoryName
,   trd.OverrideTaxCategoryId
,   trd.StatusId
,   trd.TaxGroup
FROM MAFixedAsset.TaxRollForwardDetailOverrideFlatUI trd (NOLOCK)
INNER JOIN MAFixedAsset.TaxRollForwardDetailSearchable srch (NOLOCK)
    ON srch.TaxRollForwardDetailId = trd.TaxRollForwardDetailId";
```

Joins the OverrideFlatUI [table](#) (for what we want to display) against the Searchable [table](#) (for searching against)

Next, filters [get](#) applied. Here's an example:

```
if (((filterParameters.Account != null && filterParameters.Account != "") || ((filterParameters.AccountDescription != null
&& filterParameters.AccountDescription != "")))
{
    sql = sql + @"
INNER JOIN MAFixedAsset.TaxRollForwardAccount a
    ON a.TaxRollForwardAccountId = srch.TaxRollForwardAccountId";

if (filterParameters.Account != null && filterParameters.Account != "")
{
```

```

        if (filterParameters.Account == " ")
        {
            sql = sql + @"
                AND srch.TaxRollForwardAccountId = 0";
        }
        else
        {
            sql = sql + @"
                AND a.Account LIKE '%' + @AccountId + '%';
                parameterList.Add(new System.Data.SqlClient.SqlParameter("@AccountId", filterParameters.Account));
            }
        }

        if (filterParameters.AccountDescription != null && filterParameters.AccountDescription != "")
        {
            if (filterParameters.AccountDescription == " ")
            {
                sql = sql + @"
                    AND srch.TaxRollForwardAccountId = 0";
            }
            else
            {
                sql = sql + @"
                    AND a.AccountDescription LIKE '%' + @AccountDescription + '%';
                    parameterList.Add(new System.Data.SqlClient.SqlParameter("@AccountDescription",
filterParameters.AccountDescription));
            }
        }
    }
}

```

Then it gets an IQueryable:

```

        System.Data.Entity.Infrastructure.DbRawSqlQuery<TaxRollForwardDetailOverride_Select_Result> result =
        db.Database.SqlQuery<TaxRollForwardDetailOverride_Select_Result>(sql, parameterList.ToArray());

        IQueryable<TaxRollForwardDetailOverride_Select_Result> queryableResult =
        result.AsQueryable<TaxRollForwardDetailOverride_Select_Result>().AsNoTracking();
    }
}

```



---

Note that the query does not actually run at this point, it is just assembled.

Then we add a few more filters that are easier to apply post-iqueryable. These tend to be for numeric fields. Example:

```
        if (filterParameters.TransactionNumber != null && filterParameters.TransactionNumber == " ")
        {
            queryableResult = queryableResult.Where(r => r.TransactionNumber.Length == 0);
        }
        else if (filterParameters.TransactionNumber != null && filterParameters.TransactionNumber != "")
        {
            queryableResult = queryableResult.Where(r =>
r.TransactionNumber.ToLower().IndexOf(filterParameters.TransactionNumber.ToLower()) >= 0);
        }
```

Again, even though we add things to the queryableResult, it hasn't run yet. Then we send the iQueryable back and then apply whatever sort they requested. Sort still does not run the query. When it comes back, we run the following:

```
return result.Skip(resultCount * (page - 1)).Take(resultCount).ToList();
```

[12:23 PM] Brian Swift

page = whatever page they're on, starting with 1

so, first time they come in, resultCount = 1000, page = 1, so resultCount \* (page - 1) = 0. So it skips 0, meaning it starts with the first result

Now .Take() pulls a given number of rows.

And then .ToList() turns it into a list object that we can convert to a json result easily. Which is what we send back to the client (the browser).

This is the fastest way that I know of to make this query. It includes the minimum number of joins possible, because it doesn't join if that parameter wasn't passed

I believe there are indexes on everything we join against in this query also (which is the search for null)

It also skips joins when the user passed a blank space (which is the search for null)

---

In those cases, it just checks the searchable table for a zero there. Zero in the searchable table means "no match", since we never use 0 as a primary key value in any table.

**Manage Tax Rollforward Categories - UI Edit**

https://dataworkbenchuat.ah4r.com/TaxRollForwardCategories/DisplayQueueGrid



All Rollforward Exceptions ▾ Tax Rollforward Category ▾ Reports ▾

Upload Tax Group Map & Tax TRS All Activity / Preliminary REIT RollForward Report / View Exceptions / Update Exce  
 / Accounting RollForward & Register Reports / Update Account Grouping / Upload Book Tax Difference / Manage Ta:

**Manage Tax Rollforward Categories**

[Clear All Filters](#)

Category Name <input type="text"/>	Notes <input type="text"/>	Sort Order <input type="text"/>
OP Properties transferred to TRS	OP Properties transferred to TRS including property balances initially sitting in TRS GAAP RF.	1
OP Properties transferred to TRS prior to CY	OP Properties transferred to TRS prior to CY	2
5 Ellington booked down to TRS (transferred from LP)	Properties purchased 12/31/2014 booked at the entity level via topside that were booked down directly to TRS instead of booked down to LP and then transferred to TRS	3
OP Properties transferred from TRS (Non-AMIP)	OP Properties transferred from TRS (excludes AMIP transfers)	4
Properties transferred from RJ1 - per 10/31/2015 REIT RF	Properties transferred from RJ1 - per 10/31/2015 REIT RF	5
Properties transferred from RJ1 - Additions only	2015 Additions to properties transferred to LP from RJ1	6
Properties transferred from RJ2 - per 10/31/2015 RJ2 RF	Properties transferred from RJ2 - per 10/31/2015 RJ2 RF	7
Properties transferred from RJ2 - Additions	2015 Additions to properties transferred to LP from RJ2	8

45 rows returned.

Assign Tax Rollforward Categories – UI Edit

https://dataworkbenchuat.ah4r.com/TaxRollForwardPropertyCategories/DisplayUpdateQueueGrid

AMERICAN Homes 4 All Rollforward Exceptions Tax Rollforward Category Reports Paul Deis @ AH4R

Upload Tax Group Map & Tax TRS All Activity Preliminary REIT RollForward Report View Exceptions Update Exceptions Approve Exceptions Upload Manual REIT RollForward  
 Accounting RollForward & Register Reports Update Account Grouping Upload Book Tax Difference Manage Tax RollForward Account Categories  
 Assign Tax RollForward Account Categories

Assign Tax Rollforward Category

Clear All Filters

<input type="checkbox"/>	Year	Property ID	Owner	Purchase Date	CRM In Service Date	Prior Year Register In Service Date	In ServiceDate Match
<input type="checkbox"/>	2014	in12769			2013-06-20		false
<input type="checkbox"/>	2017	FL00399	AH4R Properties, LLC	2012-08-08	2012-08-08	2012-08-08	true
<input type="checkbox"/>	2017	NV12589	ARP 2014-1	2016-02-29	2016-02-29	2016-02-29	true
<input type="checkbox"/>	2017	IL13972	AR Leasing Company	2016-02-29	2016-02-29	2016-02-29	true
<input type="checkbox"/>	2015	AZ13522	ARP 2014-1	2016-02-29	2016-02-29		false
<input type="checkbox"/>	2015	FL14284	AH4RPSeven, LLC	2014-04-02	2014-06-20	2014-06-20	true
<input type="checkbox"/>	2015	FL15884	AH4RPSeven, LLC	2014-09-25	2015-01-28	2015-01-28	true
<input type="checkbox"/>	2014	in14733					false
<input type="checkbox"/>	2014	txa0551			2013-03-15		false
<input type="checkbox"/>	2016	IL13355	AH4RPTen, LLC	2014-05-12	2015-04-09	2015-04-09	true
<input type="checkbox"/>	2015	TX18153	AH4RPEight, LLC	2015-09-01	2015-11-10		false
<input type="checkbox"/>	2017	OH14681	AH4RPSeven, LLC	2014-10-01	2014-11-21	2014-11-21	true
<input type="checkbox"/>	2015	GA12868	AMH 2015-1	2013-10-01	2014-07-21	2014-07-21	true
<input type="checkbox"/>	2014	il12468			2013-11-20		false
<input type="checkbox"/>	2016	OH14341	AMH 2015-1	2014-07-29	2014-08-26	2014-08-26	true
<input type="checkbox"/>	2015	NC15268	AMH 2015-1	2014-06-24	2014-10-17	2014-10-16	false
<input type="checkbox"/>	2014	ms12114			2015-04-20		false
<input type="checkbox"/>	2017	NC15235	AMH 2015-1	2014-05-13	2014-10-27	2014-10-27	true
<input type="checkbox"/>	2017	TNY0969	AH4RPSeven, LLC				false

Select Deloitte Depreciation Files – UI Selection –

Screen title is Manage Tax Deloitte Depreciation

https://dataworkbenchuat.ah4r.com/TaxDeloitteDepreciations/DisplayUpdateQueueGrid

	File Name	File Import Date	Tax Period ID	Is Final Version	Tax Period Name	Tax Period Start Date	Tax Period End Date
<input type="checkbox"/>	TaxDeloitteDepreciation-7-20170207190458.xlsx	2017-02-08	1	false	2015	2014-01-01	2015-12-31
<input type="checkbox"/>	TaxDeloitteDepreciation-7-20170208195952.xlsx	2017-02-08	1	true	2015	2014-01-01	2015-12-31
<input type="checkbox"/>	TaxDeloitteDepreciation-7-20170320222137.xlsx	2017-03-20	2	true	2016	2016-01-01	2016-12-31

Fixed Asset - Reports –

The Data Workbench is an application that allows simple mini-apps to be created in the implemented in the data workbench is created by a developer using tools and features designed to replace key functionality of Microsoft Excel as it pertains to how a user use

Please select the application you would like to use:

- Core Systems
- Fixed Asset
- Revenue Apportionment

- GAAP for Tax Structure Roll Forward
- GAAP for Tax Structure Roll Forward Monthly Detail
- GAAP for Tax Structure Register
- Tax Roll Forward with Book Tax Difference
- Tax Roll Forward Yearly BNA Detail
- Tax Apportionment Detail
- Tax Account Group Monthly Rollup
- Tax Group Map Missing Entities
- Tax Rollforward Monthly Unclassified Activity
- CY Tax Basis Assets for Dep Software
- Process Status
- Tax Workflow Status

**GAAP for Tax Structure Roll Forward – Report**

https://ssrsuat.ah4r.com/Reports\_SSRSUAT/Pages/Report.aspx?ItemPath=%2fTax%2fTax+RollForward

Home > Tax > Tax RollForward Monthly Detail

Account   NULL Month (numeric, use 1 for January, 2 for February, etc)

Year (4 digit)  Tax Group

1 of 2 ? Find | Next

**Monthly GAAP for Tax Structure Roll Forward Detail 12/2017**

Report Run Date: 8/17/2018 11:33:14 AM User ID: AH4R\pdeis

Transaction Number	Entity ID	Property ID	Property State	Account	Account Description	Amount	Post Month	Post Date	Reference	Manually Adjusted Reference	Notes	Entity Code	Tax Group
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		21	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		43	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		47	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		60	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		71	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		85	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		85	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		92	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		98	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		171	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		178	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		222	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		251	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		254	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		280	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		286	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP
J-25658854	4rahadr	4rahadr		1540400	SOFTWARE		291	2017-12-01	2017-12-31	Dec'17 Capitalization of 00ITNAT Costs	RNV	4rahadr	LP

**GAAP for Tax Structure Roll Forward Monthly Detail**

This report is intended to show all of the properties for a given month, the associated data for each, and the Ta Group assignment for that property from the processing of the Yardi GL data, by the

The example report below has 224,320 rows.

**Monthly GAAP for Tax Structure Roll Forward Detail /2018**

Report Run Date: 8/13/2018 4:08:38 PM User ID:AH4R pdeis

Transaction Number	Entity ID	Property ID	Property State	Account	Account Description	Amount	Post Month	Post Date	Reference	Manually Adjusted Reference	Notes	Entity Code	Tax Group
J-26814882	4raga1s	4raga1s		1610300	A/D - CARPETING	(22)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1610250	A/D - BUILDING IMPROVEMENTS	(1,460)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1610900	A/D - WASHER AND DRYER	(2)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1610850	A/D - STOVE	(43)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1610100	A/D - LAND IMPROVEMENTS	(1)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1610350	A/D - ROOF	(3)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1510500	CONSTRUCTION ACCRUAL	2,595	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1510510	CAPITALIZED COST ACCRUAL	(2,595)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1610950	A/D - REFRIGERATOR	(65)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1611050	A/D - WATER HEATER	(2)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP

J-26814882	4raga1s	4raga1s		1611000	A/D - DISHWASHER	(96)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1610800	A/D - HVAC	(121)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26814882	4raga1s	4raga1s		1610200	A/D - BUILDING	(3,992)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4raga1s	4raga1s	LP
J-26867613	4rah41s	4rah41s		1510200	BUILDING	#####	2018-02-01	2018-02-01	XFR		12/31 Entity Cancellation - 4rah41s	4rah41s	LP
J-26632127	4rahadr	4rahadr		1640400	A/D - SOFTWARE	(65,615)	2018-02-01	2018-02-28	DEP		Software Depreciation - Feb 2018	4rahadr	LP
J-26632126	4rahadr	4rahadr		1640200	A/D - FURNITURE FIXTURE AND EQUIPMENT	(3,398)	2018-02-01	2018-02-28	DEP		Furniture Depreciation - Feb 2018	4rahadr	LP
J-26632125	4rahadr	4rahadr		1640100	A/D - COMPUTER EQUIPMENT	(10,938)	2018-02-01	2018-02-28	DEP		Computer Equip Deprec - Feb 2018	4rahadr	LP
J-26632134	4rahadr	4rahadr		1640300	A/D - LEASEHOLD IMPROVEMENTS	(1,214)	2018-02-01	2018-02-28	DEP		Tenant Improv Deprec - Feb 2018	4rahadr	LP
J-26867615	4rahlp1	4rahlp1		1610250	A/D - BUILDING IMPROVEMENTS	44	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4rahlp1	4rahlp1	LP
J-26632123	4rahlp1	4rahlp1		1610250	A/D - BUILDING IMPROVEMENTS	(9,348)	2018-02-01	2018-02-28	DEP		Unallocated Top Side Deprec - Feb 2018	4rahlp1	LP
J-26632123	4rahlp1	4rahlp1		1610200	A/D - BUILDING	(6,891)	2018-02-01	2018-02-28	DEP		Unallocated Top Side Deprec - Feb 2018	4rahlp1	LP
J-26867613	4rahlp1	4rahlp1		1510200	BUILDING	1,541,712	2018-02-01	2018-02-01	XFR		12/31 Entity Cancellation - 4rah41s	4rahlp1	LP
J-26867615	4rahlp1	4rahlp1		1510200	BUILDING	60	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4rahlp1	4rahlp1	LP
J-26867615	4rahlp1	4rahlp1		1611050	A/D - WATER HEATER	(0)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4rahlp1	4rahlp1	LP
J-26867615	4rahlp1	4rahlp1		1610200	A/D - BUILDING	(622)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4rahlp1	4rahlp1	LP
J-26867615	4rahlp1	4rahlp1		1510250	BUILDING IMPROVEMENTS	(375)	2018-02-01	2018-02-01	XFR		12/31/2017 Entity Cancellation - 4rahlp1	4rahlp1	LP



J-26981519	4rahmgr	4rahmgr		1540100	COMPUTER EQUIPMENT	113,240	2018-02-01	2018-02-28	:AMH_Allocations			4rahmgr	LP
J-26632134	4rahmgr	4rahmgr		1640300	A/D - LEASEHOLD IMPROVEMENTS	(16,820)	2018-02-01	2018-02-28	DEP		Tenant Improv Deprec - Feb 2018	4rahmgr	LP
J-26981519	4rahmgr	4rahmgr		1540400	SOFTWARE	97,802	2018-02-01	2018-02-28	:AMH_Allocations			4rahmgr	LP
J-26632127	4rahmgr	4rahmgr		1640400	A/D - SOFTWARE	(181,549)	2018-02-01	2018-02-28	DEP		Software Depreciation - Feb 2018	4rahmgr	LP
J-26632126	4rahmgr	4rahmgr		1640200	A/D - FURNITURE FIXTURE AND EQUIPMENT	(61,658)	2018-02-01	2018-02-28	DEP		Furniture Depreciation - Feb 2018	4rahmgr	LP

**GAAP for Tax Structure Register**

Example report below:

GAAP for Tax Structure Register for December 2017														
Report Run Date: 8/17/2018 10:55:49 AM      User ID: AH4R\pdeis														
Entity Id	1302810	1302820	1302821	1302825	1302830	1510050	1510055	1510100	1510150	1510200	1510205	1510210	1510250	1510250
Activity Ending	39,079,016	7,258,074	0	3,892,449	1,708,590	1,704,911,407	(9,937)	99,914,036	2,988,341	6,529,695,684	457,359	(8,608,692)	544,687,995	
TB Ending Balance	39,079,016	7,258,074	0	3,892,449	1,708,590	1,704,911,407	(9,937)	99,914,036	2,988,341	6,529,695,684	457,359	(8,608,692)	544,687,995	
Variance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Property Id	1302810	1302820	1302821	1302825	1302830	1510050	1510055	1510100	1510150	1510200	1510205	1510210	1510250	1510250
4stx001	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4stx011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
az00001	0	0	0	0	0	16,208	0	191	0	106,748	0	0	15,989	
az00002	0	0	0	0	0	27,842	0	0	7,358	126,042	0	0	20,688	
az00003	0	0	0	0	0	18,063	0	0	0	113,175	0	0	17,024	
az00004	0	0	0	0	0	30,526	0	0	0	134,188	0	0	20,883	
az00005	0	0	0	0	0	37,764	0	0	0	106,469	0	0	17,303	
az00006	0	0	0	0	0	31,687	0	1,805	0	130,983	0	0	27,032	
az00007	0	0	0	0	0	34,279	0	0	0	145,827	0	0	21,924	
az00008	0	0	0	0	0	7,271	0	0	0	64,710	0	0	7,075	
AZ00009	0	0	0	0	0	8,347	0	128	0	72,920	0	0	5,635	
az00010	0	0	0	0	0	20,989	0	0	0	128,521	0	0	19,333	
az00011	0	0	0	0	0	17,824	0	0	0	120,918	0	0	22,534	
az00012	0	0	0	0	0	28,222	0	1,533	0	126,585	0	0	19,991	
az00013	0	0	0	0	0	26,544	0	475	0	115,718	0	0	23,516	
az00014	0	0	0	0	0	27,889	0	1,269	0	116,166	0	0	17,483	
az00015	0	0	0	0	0	19,984	0	1,271	0	109,961	0	0	31,718	
az00016	0	0	0	0	0	37,981	0	(397)	0	128,667	0	0	17,028	
az00017	0	0	0	0	0	18,609	0	0	5,263	137,083	0	0	21,657	
az00018	0	0	0	0	0	14,082	0	593	3,595	151,933	0	0	22,827	
az00019	0	0	0	0	0	10,025	0	671	0	84,959	0	0	10,197	
az00020	0	0	0	0	0	20,522	0	0	0	145,774	0	0	21,020	

**Tax Roll Forward with Book Tax Difference**

Example report below:

Home - Tax - Tax RollForward w Book Tax Difference Yearly Summary

Year: 2017 Tax Group: AHTRS, Alaska II, B2 TRS, LP, I

of 2 ? Find | Next

**Tax Rollforward Yearly Summary with Book Tax Difference for 2017**  
 Report Run Date: 8/17/2018 10:52:57 AM User ID: AHHR\pdeis

Account	Account Description	TB Ending Balance	Tax Book Difference	Updated Ending Balance
1302810	LAND - DEVELOPMENT	39,079,018	0	39,079,018
1302820	HOME BUILDING - CIP	7,268,074	0	7,268,074
1302825	HOME BUILDING - CIP - SOFT COST	3,892,449	0	3,892,449
1302830	HOME BUILDING - ACCRUAL	1,708,590	0	1,708,590
1510050	LAND	1,704,911,407	0	1,704,911,407
1510055	FMV LAND	(9,937)	0	(9,937)
1510100	LAND IMPROVEMENTS	99,905,522	0	99,905,522
1510150	SWIMMING POOLS	2,953,083	0	2,953,083
1510200	BUILDING	6,529,691,498	0	6,529,691,498
1510205	FMV BUILDINGS	457,359	0	457,359
1510210	BUILDING VALUATION	(8,608,892)	0	(8,608,892)
1510250	BUILDING IMPROVEMENTS	544,645,154	0	544,645,154
1510300	CARPETING	33,896,211	0	33,896,211
1510301	CARPET REPLACEMENT	1,782,843	0	1,782,843
1510302	FLOORING	51,398,610	0	51,398,610
1510350	ROOF	11,826,058	0	11,826,058
1510400	REAL ESTATE PURCHASE	988	0	988
1510500	CONSTRUCTION ACCRUAL	11,326,221	0	11,326,221
1510510	CAPITALIZED COST ACCRUAL	2,912,314	0	2,912,314
1510800	HVAC	82,980,566	0	82,980,566
1510850	STOVE	22,646,664	0	22,646,664
1510900	WASHER AND DRYER	7,508,394	0	7,508,394
1510950	REFRIGERATOR	33,570,995	0	33,570,995
1511000	DISHWASHER	20,100,961	0	20,100,961
1511050	WATER HEATER	9,297,566	0	9,297,566
1511100	APPLIANCES	11,088,439	0	11,088,439
1511200	VEHICLES	6,681,881	0	6,681,881
1530110	HOME BUILDING - ACCRUAL	0	0	0
1540100	COMPUTER EQUIPMENT	5,592,661	0	5,592,661
1540200	FURNITURE FIXTURE AND EQUIPMENT	4,231,187	0	4,231,187
1540300	LEASEHOLD IMPROVEMENTS	38,278	0	38,278
1540400	SOFTWARE	24,844,313	0	24,844,313
1540800	TENANT IMPROVEMENTS	3,368,642	0	3,368,642
1540700	PERSONNEL TOOLS	211,572	0	211,572
1540800	COMMERICAL REAL ESTATE - LAND	4,577,955	0	4,577,955
1540850	COMMERICAL REAL ESTATE - BUILDING	15,478,495	0	15,478,495
1610050	A/D - LAND	0	0	0
1610100	A/D - LAND IMPROVEMENTS	(13,588,581)	0	(13,588,581)
1610150	A/D - SWIMMING POOLS	(767,486)	0	(767,486)

8/17/2018 10:52:57 AM

Tax Roll Forward Yearly BNA Detail - replaced by CY Tax Basis Assets for Dep Software

**Tax Apportionment Detail**

Example report image below – no data

Home > Tax > Tax Apportionment Detail

Tax Period: 2018

1 of 1 Find | Next

### Tax Apportionment Detail for 2018

Report Run Date: 8/17/2018 10:51:19 AM User ID: AH4R\pdeis

State	Depreciable Basis	Transfers Out	Depreciable Basis Wout Transfers	Depreciable Basis Incl Transfers Pct	Transfers Out Pct	Depreciable Basis Wout Transfers Pct	Increase (Decrease) Pct
Total							

8/17/2018 10:51:19 AM

**Tax Account Group Monthly Rollup**

Example report image below.

Home > Tax > Tax Account Group Monthly Rollup

Month:  Year:

Tax Group:

1 of 1 Find | Next

### Tax Account Group Monthly Rollup - December 2017 for AHTRS,Alaska II,BZ TRS,LP,n/a,RJ1,RJ2

Report Run Date: 8/17/2018 10:50:13 AM User ID: AH4R\pdeis

Entity Id	Fixed Assets	Mgmt Assets	A/D Fixed Assets	A/D Mgmt Assets	Cap Accruals	Net to Zero	Uncategorized	Total	Month Date	Notes
cmmr001	0	20,056,450	0	(816,921)	0	0	0	19,239,529	12/1/2017	
cmmr002	0	0	0	0	0	0	0	0	12/1/2017	
<b>Total</b>	<b>0</b>	<b>20,056,450</b>	<b>0</b>	<b>(816,921)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,239,529</b>		

8/17/2018 10:50:13 AM

**Tax Group Missing Entities**

Example Report below

Home > Tax > Tax Group Map Missing Entities

Year:

1 of 1 Find | Next

### Tax Group Map Missing Entities

Report Run Date: 8/17/2018 10:44:53 AM User ID: AH4R\pdeis

Post Month	Entity IdD	Entity Code	Entity Description
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8/17/2018 10:44:53 AM

**Tax Rollforward Monthly Unclassified Activity**

Example report image.

## Tax Roll Forward Monthly Unclassified Activity - December 2017

Report Run Date: 8/17/2018 10:35:32 AM User ID: AH4R\pdeis

Transaction Number	Property Id	Account	Amount	Manual Reference Value	Post Month	Post Date	Description	Remarks
J-25382026	4rahcdv	1302820	1,296		2017-12-0	2017-12-0		Allocation from CIP account to Construction budget line-items
J-25382026	4rahcdv	1302820	6,189		2017-12-0	2017-12-0		Allocation from CIP account to Construction budget line-items
J-25382026	4rahcdv	1302820	(6,700)		2017-12-0	2017-12-0		Allocation from CIP account to Construction budget line-items
J-25138341	4rahcdv	1302820	54,892		2017-12-0	2017-12-0		CREEKSIDE FEE
J-25341462	4rahcdv	1302820	267,644		2017-12-0	2017-12-1		CREEKSIDE DRAW #3
J-25382026	4rahcdv	1302820	53,750		2017-12-0	2017-12-0		Allocation from CIP account to Construction budget line-items
J-25382026	4rahcdv	1302820	(784)		2017-12-0	2017-12-0		Allocation from CIP account to Construction budget line-items
J-25382026	4rahcdv	1302820	(53,750)		2017-12-0	2017-12-0		Allocation from CIP account to Construction budget line-items
J-25636373	4rahcdv	1302820	(54,892)		2017-12-0	2017-12-3		To allocate 12.17 Management fee from CIP account to Constructio
J-25636373	4rahcdv	1302820	54,892		2017-12-0	2017-12-3		To allocate 12.17 Management fee from CIP account to Constructio
P-5671953	4rahdev	1302820	1,100		2017-12-0	2017-11-1		Plans Survey - 20-201000-00
P-5678332	4rahdev	1302820	53,575		2017-12-0	2017-12-0		Draw 2 Site Work
P-5678332	4rahdev	1302820	13,050		2017-12-0	2017-12-0		Draw 2 Site Work
P-5678332	4rahdev	1302820	212,460		2017-12-0	2017-12-0		Draw 2 Site Work
P-5678332	4rahdev	1302820	33,100		2017-12-0	2017-12-0		Draw 2 Site Work
J-25636875	4raheev	1302825	(5,020)		2017-12-0	2017-12-3		12.17 CIP Soft Cost Allocation to Prop Level
P-5689665	4rahdev	1302820	2,217		2017-12-0	2017-12-1		20-3020000-00 - Conditional Zoning Permit Application
J-25637423	ga17456	1302830	9,789		2017-12-0	2017-12-3		12/17 CIP Accrual

**CY Tax Basis Assets for Dep Software – new; replaces BNA report**

This report completely replaces the BNA report. It is the second of the two primary fixed asset reports for the Data Workbench for tax.

Home > Tax > CY Tax Basis Assets for Dep Software

Tax Roll Forward Category Id: Blank/Unassigned, OP Propertie Start Month: 12/1/2017

End Month: 12/1/2017 Tax Group: AHTRS, LP

Account: 1302810, 1302820, 1302825

1 of 27 Find | Next

### CY Tax Basis Assets For Dep Software for 12/2017 - 12/2017

Report Run Date: 10/4/2018 11:37:16 AM User ID: AH4R\pdeis

Asset ID	Account No.	Account Description	Date Placed In Service	Amount	State	AH4R DW Asset ID	AH4R Tax Asset Category
4rahadr	1540100	COMPUTER EQUIPMENT	UNKNOWN	43	.UNKN	180732350	Blank/Unassigned
4rahadr	1540100	COMPUTER EQUIPMENT	UNKNOWN	47	.UNKN	180732351	Blank/Unassigned
4rahadr	1540100	COMPUTER EQUIPMENT	UNKNOWN	85	.UNKN	180732352	Blank/Unassigned
4rahadr	1540100	COMPUTER EQUIPMENT	UNKNOWN	93	.UNKN	180732353	Blank/Unassigned
4rahadr	1540100	COMPUTER EQUIPMENT	UNKNOWN	256	.UNKN	180732354	Blank/Unassigned
4rahadr	1540400	SOFTWARE	UNKNOWN	1,803	.UNKN	180732339	Blank/Unassigned
4rahadr	1540400	SOFTWARE	UNKNOWN	1,825	.UNKN	180732340	Blank/Unassigned
4rahadr	1540400	SOFTWARE	UNKNOWN	2,143	.UNKN	180732341	Blank/Unassigned
4rahadr	1540400	SOFTWARE	UNKNOWN	2,378	.UNKN	180732342	Blank/Unassigned
4rahadr	1540400	SOFTWARE	UNKNOWN	3,017	.UNKN	180732343	Blank/Unassigned
4rahadr	1540400	SOFTWARE	UNKNOWN	3,382	.UNKN	180732344	Blank/Unassigned

**Process Status**

This display shows the operational status and completed processing results for the numerous Data Workbench processes which perform all of the actual data movement, importation, updating, and generation of larger tables for reports. In these cases, the report function in the user interface simply displays the table, without performing any processes. This design is to enable the report's data to display in a reasonable response time. Please refer to the processing stream description below for details.

The Current status column shows where in the sequence the process step occurs.



**Process Status**

Clear All Filters

User ID	Process Name	Process ID	Post Month	Upload File Name	Create Date	Current Status	
		10030	2018-10-03		2018-10-03	■■■■■■ (Tax Revenue step 2/7) MAREvenue Chart Of Accounts Insert Running	■■■■■■ (ste
		10029	2018-10-03		2018-10-03	■■ (Chart of Accounts step 2/2) Accounts Inserted into Chart of Accounts	■■ (step 2/2)
		10028	2018-10-03		2018-10-03	■■ (Data Lock step 2/2) Data Lock Insert Complete	■■ (step 2/2)
		10027	2018-10-01		2018-10-03	■■■■■■■■■■■■■■■■■■■■ (Tax FA Rollforward step 3/19) CRM Property Insert 3rd Complete	■■■■■■■■■■
AH4R\candrade	All TRS Activity	10026	2018-06-01	TaxTRSAActivity-5-20180926155326.xlsx	2018-09-26	■■■■■■■■■■■■■■■■■■■■ (Tax FA Rollforward step 19/19) RollForward Detail Searchable Table Complete	■■■■■■■■■■
AH4R\candrade	All TRS Activity	10025	2018-05-01	TaxTRSAActivity-5-20180925220519.xlsx	2018-09-25	■■■■■■■■■■■■■■■■■■■■ (Tax FA Rollforward step 19/19) RollForward Detail Searchable Table Complete	■■■■■■■■■■
AH4R\candrade	All TRS Activity	10024	2017-12-01	TaxTRSAActivity-5-20180925220503.xlsx	2018-09-25	*Processing Error* Error	Tax TRS Acti
AH4R\candrade	Monthly Tax Group Map	10022	2018-07-01	TaxGroupMap-2-20180925015256.xlsx	2018-09-25	■■■■■■■■■■■■■■■■■■■■ (Tax FA Rollforward step 19/19) RollForward Detail Searchable Table Complete	■■■■■■■■■■
AH4R\candrade	Monthly Tax Group Map	10023	2018-07-01	TaxGroupMap-2-20180925015232.xlsx	2018-09-25	■■■■■■■■■■■■■■■■■■■■ (Tax FA Rollforward step 19/19) RollForward Detail Searchable Table Complete	■■■■■■■■■■
AH4R\candrade	Monthly Tax Group Map	10011	2018-07-01	TaxGroupMap-2-20180823165657.xlsx	2018-08-23	■■■■■■■■■■■■■■■■■■■■ (Tax FA Rollforward step 19/19) RollForward Detail Searchable Table Complete	■■■■■■■■■■
AH4R\candrade	Monthly Tax Group Map	10009	2018-06-01	TaxGroupMap-2-20180823165400.xlsx	2018-08-23	■■■■■■■■■■■■■■■■■■■■ (Tax FA Rollforward step 19/19) RollForward Detail Searchable Table Complete	■■■■■■■■■■
AH4R\candrade	Monthly Tax Group Map	10019	2018-03-01	TaxGroupMap-2-20180905212650.xlsx	2018-09-06	■■■■■■■■■■■■■■■■■■■■ (Tax FA Rollforward step 19/19) RollForward Detail Searchable Table Complete	■■■■■■■■■■
AH4R\candrade	Monthly Tax Group Map	10017	2018-03-01	TaxGroupMap-2-20180905230804.xlsx	2018-09-06	■■■■■■■■■■■■■■■■■■■■ (Tax FA Rollforward step 19/19) RollForward Detail Searchable Table Complete	■■■■■■■■■■
AH4R\bswift	All TRS Activity	10021	2015-01-01	TaxTRSAActivity-5-20180914231250.xlsx	2018-09-17	*Processing Error* Error	Tax TRS Acti
		10020	2018-09-01		2018-09-17	■■■■■■■■■■■■■■■■■■■■ (Tax FA Rollforward step 3/19) CRM Property Insert 17th Complete	■■■■■■■■■■
AH4R\candrade	Monthly Tax Group Map	10018	2018-02-01	TaxGroupMap-2-20180905212053.xlsx	2018-09-06	*Processing Error* Error	Tax Group Ma
AH4R\candrade	All TRS Activity	10016	2018-01-01	TaxTRSAActivity-5-20180905230639.xlsx	2018-09-05	*Processing Error* Error	Tax TRS Acti

**Tax Workflow Status – to be removed from menu; obsolete**

**Revenue Apportionment**



https://dataworkbenchuat.ah4r.com/Home/Index?ApplicationId=3



The Data Workbench is an application that allows simple mini implemented in the data workbench is created by a developer designed to replace key functionality of Microsoft Excel as it p

Please select the application you would like to use:

- Core Systems
- Fixed Asset
- Revenue Apportionment

Revenue Exception – UI Edit

https://dataworkbenchuat.ah4r.com/MARevenue\_RevenueException/DisplayQueueGrid

AMERICAN Homes Revenue Exception Reports - Paul Deis @ AH4R									
<a href="#">Upload Tax Group Map</a>   <a href="#">Manage Tax Periods</a>   <a href="#">Manage Tax Period Close Dates</a>   <a href="#">Update Revenue Exceptions</a>									
Revenue Exception									
Tax Period: 2017									
Clear All Filters									
<input type="checkbox"/> Tax Period	<input type="checkbox"/> Tax Group	<input type="checkbox"/> Transaction Number	<input type="checkbox"/> Account	<input type="checkbox"/> Account Description	<input type="checkbox"/> Segment1	<input type="checkbox"/> Segment2	<input type="checkbox"/> Segment3	<input type="checkbox"/> Segment4	<input type="checkbox"/> Transaction Date
<input type="checkbox"/> 2015	LP	J-1578253	4000900	OTHER PROPERTY INCOME					2015-01-01
<input type="checkbox"/> 2015	LP	J-1579594	4001540	TENANT CHARGEBACKS WATER	0000000				2015-01-01
<input type="checkbox"/> 2015	LP	J-2012687	4001540	TENANT CHARGEBACKS WATER	0000000				2015-01-01
<input type="checkbox"/> 2015	LP	J-1804179	4011100	MANAGEMENT FEE INCOME	23PMGMT				2015-01-31
<input type="checkbox"/> 2015	LP	J-1804179	4011100	MANAGEMENT FEE INCOME	24PMGMT				2015-01-31
<input type="checkbox"/> 2015	LP	J-1804179	4011100	MANAGEMENT FEE INCOME	23PMGMT				2015-01-31
<input type="checkbox"/> 2015	LP	J-1804179	4011100	MANAGEMENT FEE INCOME	23PMGMT				2015-01-31
<input type="checkbox"/> 2015	LP	J-1804179	4011100	MANAGEMENT FEE INCOME	23PMGMT				2015-01-31
<input type="checkbox"/> 2015	LP	J-1804179	4011100	MANAGEMENT FEE INCOME	23PMGMT				2015-01-31
<input type="checkbox"/> 2015	LP	J-1804179	4011100	MANAGEMENT FEE INCOME	23PMGMT				2015-01-31
<input type="checkbox"/> 2015	LP	J-1804179	4011100	MANAGEMENT FEE INCOME	23PMGMT				2015-01-31
1000 rows returned. <a href="#">Get More Results</a>									
Mass Assign Property: <input type="text"/> <input type="button" value="Apply"/>									
<input type="button" value="Save"/>									

Revenue Apportionment - Reports

The Data Workbench is an application that allows users to view and analyze data. The data workbench is created and implemented in the data workbench is created and implemented in the data workbench is created designed to replace key functionality of Microsoft Excel.

Please select the application you would like to use:

- Core Systems
- Fixed Asset
- Revenue Apportionment

Reports -

- Revenue Reconciliation Report
- Revenue Summary Apportionment Report
- Revenue Apportionment by Account Dollars Report
- Revenue Apportionment by Account Percent Report
- Revenue Apportionment Transaction Summary Report
- Tax Revenue Adjustment Raw Detail Report
- Tax Group Map Raw Detail Report

Revenue Reconciliation Report

Home > Tax > Tax Revenue Reconciliation

Start Post Month: 12/1/2017      End Post Month: 12/1/2017

Tax Group: AHTRS, Alaska II, K-1 pick up, L      Entity: 4aaaz2s, 4aac02s, 4aaf2s, 4aag

Account: 4000200, 4000300, 4000400, 40

Reconciliation Report

Account	Account Description	Total	TBRollup	Entity Total	Property Total	Adjustment Total	Variance	Rollup Property Variance
4000200	LATE FEE INCOME	0	0	(4,562)	0	0	4,562	0
4000300	NSF FEE INCOME	0	0	(175)	0	0	175	0
4000400	APPLICATION FEE INCOME	0	0	(1,680)	0	0	1,680	0
4001126	NOTICE FEE CONCESSION	0	0	150	0	0	(150)	0
4001127	LATE FEE CONCESSION	0	0	225	0	0	(225)	0
4003100	MOVE IN FEES (PROCESSING)	0	0	(350)	0	0	350	0
4011100	MANAGEMENT FEE INCOME	0	0	(75,685)	0	0	75,685	0
4011200	LEASING FEE INCOME	0	0	(2,700)	0	0	2,700	0
4012200	RENOVATION FEE INCOME - REVENUE	0	0	(958)	0	3,178	958	0
4012400	OVERHEAD COST REIMBURSEMENT	0	0	(19,583)	0	(235,000)	19,583	0
4012550	PROPERTY MARKETING FEE INCOME	0	0	(21,098)	0	(2,551)	21,098	0

Revenue Summary Apportionment Report

Home > Tax > Tax Revenue Summary

Start Post Month: 12/1/2017      End Post Month: 12/1/2017

Tax Group: AHTRS, Alaska II, K-1 pick up,      Entity: 4aaaz2s, 4aaco2s, 4aafi2s, 4aa

Account: 4000200, 4000300, 4000400, -

1 of 1      Find | Next

### Revenue Summary Report

Property State	Entity Amount	Property Amount	Adjustment Amount	Total Amount	Percent
.UNKN	12,677,979	0	106,832	12,784,811	171%
AZ	0	0	(34,941)	(34,941)	0%
CA	0	0	(615,922)	(615,922)	-8%
CO	0	0	0	0	0%
Excl'd	0	0	(3,842,741)	(3,842,741)	-51%
FL	493	0	(65,204)	(64,711)	-1%
GA	50	0	(61,824)	(61,774)	-1%
ID	0	0	0	0	0%
IL	0	0	(45,707)	(45,707)	-1%
IN	0	0	(29,323)	(29,323)	0%
KY	0	0	0	0	0%
MS	0	0	0	0	0%
NC	0	0	(71,955)	(71,955)	-1%
NM	0	0	0	0	0%
NV	0	0	(28,757)	(28,757)	0%
OH	0	0	(32,877)	(32,877)	0%
OK	0	0	(352)	(352)	0%
OR	0	0	(9,229)	(9,229)	0%
ProRt	0	0	(390,381)	(390,381)	-5%
SC	0	0	(15,968)	(15,968)	0%
TN	0	0	(17,395)	(17,395)	0%
TX	0	0	(32,810)	(32,810)	0%
UT	0	0	0	0	0%
WA	0	0	(11,467)	(11,467)	0%
WI	0	0	0	0	0%
	<b>12,678,522</b>	<b>0</b>	<b>(5,200,018)</b>	<b>7,478,504</b>	<b>4%</b>

Revenue Apportionment by Account Dollars Report

Home > Tax > Tax Revenue Detail in Dollars

Start Post Month: 12/1/2017      End Post Month: 12/1/2017

Tax Group: AHTRS, Alaska II, K-1 pick up,      Entity: 4aaaz2s, 4aac02s, 4aaf12s, 4aa

Account: 4000200, 4000300, 4000400, \*

1 of 1      Find | Next

### Revenue Detail in Dollars

Account	Account Description	.UNKN	az	CA	CO	Excl'd	fl	ga	IE
4000200	LATE FEE INCOME		0	(375)				(225)	(900)
4000300	NSF FEE INCOME		0						(80)
4000400	APPLICATION FEE INCOME		0	(175)				(245)	(140)
4001126	NOTICE FEE CONCESSION		0	100				50	
4001127	LATE FEE CONCESSION		0	75					150
4003100	MOVE IN FEES (PROCESSING)		0					(100)	
4011100	MANAGEMENT FEE INCOME		0	(6,121)	0	0		(13,935)	(12,080)
4011200	LEASING FEE INCOME		0					(900)	(800)
4012200	RENOVATION FEE INCOME - REVENUE		0	(958)					
4012400	OVERHEAD COST REIMBURSEMENT	(19,583)		(27,071)				(47,808)	(33,983)
4012550	PROPERTY MARKETING FEE INCOME		0	(417)	(4,799)		(2,551)	(2,042)	(788)
4012700	OIL GAS CONDEMNATION EASEMENT OTHER INCOME		0						(13,443)
6400100	INTEREST INCOME	(12,173)					(197,595)		
6400110	OTHER INCOME/EXPENSE - *****		0						



Revenue Apportionment by Transaction Summary Report

Home > Tax > Tax Revenue Property Detail

Start Post Month: 12/1/2017      End Post Month: 12/1/2017

Tax Group: AHTRS, Alaska II, K-1 pick up      Entity: 4aaa2s, 4aaco2s, 4aaf2s, 4aa

Account: 4000200, 4000300, 4000400

1 of 2 ? Find | Next

Revenue Transaction Summary

Tax Group Name	Account	Account Description	Property Id	Property State	Entity Transactions	Entity Total	Property Transactions	Property Total	Adjustment Transactions	Adjustment Total
AHTRS	4012550	PROPERTY MARKETING FEE INCOME		UNKN					2	0
AHTRS	4012550	PROPERTY MARKETING FEE INCOME		CA					2	(930)
AHTRS	4012550	PROPERTY MARKETING FEE INCOME		Exold					1	(2,551)
AHTRS	4012550	PROPERTY MARKETING FEE INCOME	4rahtrs	Unkn	2	(21,088)				
AHTRS	4012550	PROPERTY MARKETING FEE INCOME	AZ13071	AZ					2	(72)
AHTRS	4012550	PROPERTY MARKETING FEE INCOME	AZ13077	AZ					2	(70)
AHTRS	4012550	PROPERTY MARKETING FEE INCOME	AZ13501	AZ					2	(70)
AHTRS	4012550	PROPERTY MARKETING FEE INCOME	AZ13635	AZ					2	(70)
AHTRS	4012550	PROPERTY MARKETING FEE INCOME	AZ13785	AZ					1	7
AHTRS	4012550	PROPERTY MARKETING FEE INCOME	AZ13803	AZ					2	(70)
AHTRS	4012550	PROPERTY MARKETING FEE INCOME	AZ14386	AZ					2	(70)
AHTRS	4012550	PROPERTY MARKETING FEE INCOME	CA00031	CA					2	(70)

**Tax Revenue Adjustment Raw Detail Report**

Home > Tax > Tax Revenue Adjustment Raw Detail Home | My Subscriptions | Help

Start Post Month:  End Post Month:

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1 of 2 ? Find | Next

**Tax Revenue Adjustment Raw Detail**

Post Month	Tax Period Id	Tax Group Id	Entity Code	Transaction Number	Account	Account Description	Segment1	Segment2	Segment3	Segment4	Notes	Transaction Date	Debit	Credit	Net	Reference Value
12/1/2017 12:00:00 AM	3	7			4011100	MANAGEMENT FEE INCOME			b20483				85.81	0.00	85.80	12/17 Management F Elimination
12/1/2017 12:00:00 AM	3	7			4011100	MANAGEMENT FEE INCOME			b20454				77.70	0.00	77.70	12/17 Management F Elimination
12/1/2017 12:00:00 AM	3	7			4011100	MANAGEMENT FEE INCOME			b20455				127.81	0.00	127.80	12/17 Management F Elimination
12/1/2017 12:00:00 AM	3	7			4011100	MANAGEMENT FEE INCOME			b20456				107.41	0.00	107.40	12/17 Management F Elimination
12/1/2017 12:00:00 AM	3	7			4011100	MANAGEMENT FEE INCOME			b20457				87.00	0.00	87.00	12/17 Management F Elimination
12/1/2017 12:00:00 AM	3	7			4011100	MANAGEMENT FEE INCOME			b20458				95.70	0.00	95.70	12/17 Management F Elimination
12/1/2017 12:00:00 AM	3	7			4011100	MANAGEMENT FEE INCOME			b20459				113.41	0.00	113.40	12/17 Management F Elimination
12/1/2017 12:00:00 AM	3	7			4011100	MANAGEMENT FEE INCOME			b20480				95.70	0.00	95.70	12/17 Management F Elimination
12/1/2017 12:00:00 AM	3	7			4011100	MANAGEMENT FEE INCOME			b20481				79.50	0.00	79.50	12/17 Management F

*Tax Group Map Raw Detail Report*

Home > Tax > Tax Group Map Raw Detail

Post Month:

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1 of 2 ? Find | Next

**Tax Group Map Raw Detail**

Post Month	Entity Id	Entity Code	Property List	Portfolio	Tax Group	Tax Group Id	Notes
12/1/2017 12:00:00 AM	28139	4aac02s	.slasjv2	ALASKAJV2	Alaska II	3	Null Value for EntityId
12/1/2017 12:00:00 AM	28144	4aaga2s	.slasjv2	ALASKAJV2	Alaska II	3	Null Value for EntityId
12/1/2017 12:00:00 AM	28165	4aatn2s	.slasjv2	ALASKAJV2	Alaska II	3	Null Value for EntityId
12/1/2017 12:00:00 AM	28153	4aan02s	.slasjv2	ALASKAJV2	Alaska II	3	Null Value for EntityId
12/1/2017 12:00:00 AM	28155	4aanv2s	.slasjv2	ALASKAJV2	Alaska II	3	Null Value for EntityId
12/1/2017 12:00:00 AM	28145	4aah42s	.slasjv2	ALASKAJV2	Alaska II	3	Null Value for EntityId
12/1/2017 12:00:00 AM	28142	4aaf2s	.slasjv2	ALASKAJV2	Alaska II	3	Null Value for EntityId
12/1/2017 12:00:00 AM	28167	4aatx2s	.slasjv2	ALASKAJV2	Alaska II	3	Null Value for EntityId
12/1/2017 12:00:00 AM	28136	4aaaz2s	.slasjv2	ALASKAJV2	Alaska II	3	Null Value for EntityId
12/1/2017 12:00:00 AM	28163	4aasc2s	.slasjv2	ALASKAJV2	Alaska II	3	Null Value for EntityId

**Data Sources for User Interfaces / Screens**

The table below shows which tables are used to retrieve data for display, and to store columns updated by user editing activity in the UI itself.

Separate processes transfer data from these specific tables to other tables used for reporting, and for display in other UIs.

The UI itself does not trigger any of this processes into other tables. As a result, a column updated in one UI, such as Tax Rollforward Category, will not appear in another UI until this post-processing has occurred.

<b>Core Systems</b>	<b>Data Source &amp; Update Table Name</b>
<ul style="list-style-type: none"> <li>Upload Files – table only updates after Talend ETL completes</li> </ul>	rpt.TaxBookDifference MAFixedAsset.TaxDeloitteDepreciation MAFixedAsset.TaxGroupMap MAREvenue.TaxRevenueAdjustment rpt.TaxRollForwardManualDetail MAFixedAsset.TaxTrsActivity
<ul style="list-style-type: none"> <li>Manage Tax Periods</li> </ul>	MAFixedAsset.TaxPeriod
<ul style="list-style-type: none"> <li>Chart of Accounts</li> </ul>	MAREvenue.ChartOfAccounts
<ul style="list-style-type: none"> <li>Tax Period Close</li> </ul>	MAREvenue.TaxPeriodClose
<ul style="list-style-type: none"> <li>Data Locks</li> </ul>	MAFixedAsset.DataLock
<b>Fixed Asset UI's</b>	
<ul style="list-style-type: none"> <li>FA Rollforward Exceptions</li> </ul>	TaxRollForwardManualDetailException
<ul style="list-style-type: none"> <li>Rollforward Exceptions Update</li> </ul>	TaxRollForwardManualDetailException
<ul style="list-style-type: none"> <li>Rollforward Exceptions Approval</li> </ul>	TaxRollForwardManualDetailException
<b>Tax Rollforward Category</b>	
<ul style="list-style-type: none"> <li>Update Account Grouping</li> </ul>	MAFixedAsset.TaxRegisterAccount
<ul style="list-style-type: none"> <li>Tax Activity Override</li> </ul>	MAFixedAsset.TaxRollForwardDetailOverride, MAFixedAsset.TaxRollForwardDetailOverrideFlatUI
<ul style="list-style-type: none"> <li>Manage Tax Rollforward Categories</li> </ul>	MAFixedAsset.TaxRollForwardCategory
<ul style="list-style-type: none"> <li>Assign Tax Rollforward Category</li> </ul>	MAFixedAsset.TaxRollForwardPropertyCategory



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• Select Deloitte Depreciation Files	MAFixedAsset.TaxDeloitteDepreciationTaxPeriod
<b>Revenue Apportionment</b>	
• Revenue Exception	MARevenue.RevenueException

**Process Checklist for Data Workbench UIs and Reports**

The table below shows which file uploads and internal processes must have been completed for the data in that UI or report to be correct. Most Data Workbench UIs and reports will run without error if some portion of the data it displays is not present, but the result may be in accurate, or data may be missing from certain columns.

**Process Status UI** – this screen displays the processing or run history for each SQL script used in the Data Workbench system.

Each script will typically generate a status history record, which is what iis visible in the Process Status screen, when it first starts running, when it is running, and when it is completed. For purposes of this checklist, only the Completed status record is identified in the table below. The lines in the Current Status column are composed of there parts:

- Major process group – such as Tax Fixed Asset Roll Forward
- Step identifier – 1 / 21, for example, indicates the first step in a 21-step total process stream.
- Specific process running’s status identifier – such as Tax Group Map Import Runing – which identifies the specific process / step, and what its execution status is – running, completed, etc.

The table below can be used in either of two ways –

- Serving as a checklist of what, specifically, needs to have been uploaded successfully or run to completion, before the related Report or UI will display correct data.
- Troubleshooting – if a potential issue with data in a UI or report is noted, one can refer to this list as a guide to review the Process Status display to determine if the required processes ran successfully or a needed file’s data was actually imported successfully.

Note: this table also exists in a separate Word document for ease of use. Title is Tax-Data Workbench - Functionality and Process Flows.docx

<b>Report or UI</b>	<b>Update Process Trigger</b>	<b>If does not appear to be correct, check Process Status for this value in the Current Status column</b>	<b>Note</b>
<p><b>Core Systems – UIs:</b></p> <ul style="list-style-type: none"> <li>• Manage Tax Periods</li> <li>• Chart of Accounts</li> <li>• Tax Period Close</li> <li>• Data Locks</li> </ul>		<p>These UI’s perform edits / updates directly to individual control tables in the Data Workbench, which are used to control other functions.</p> <p>There is no process which must run to completion for these to work correctly.</p>	
<p><b>Fixed Asset - UIs</b></p>	<p>Fixed Asset Rollforward Process populates the tables used by the Fixed Asset UIs, and is triggered by any one of the following events:</p> <p>Upload of any of these files:</p> <ul style="list-style-type: none"> <li>• Tax Group map</li> </ul>		

	<ul style="list-style-type: none"> <li>• Tax Rollforward Manual Detail</li> <li>• Tax TRS Activity</li> </ul> <p>Scheduled Job – this process calls each of the 17 steps in the Fixed Asset Rollforward process.</p> <p>However, any given step first checks to see if there is any new data to be processed, and if not, performs no update, and , but the step is skipped if there is no new data to be processed. Currently this runs at - minute intervals.</p>		
<p>All Rollforward Exceptions UIs -</p> <ul style="list-style-type: none"> <li>• FA Rollforward Exceptions</li> <li>• Rollforward Exceptions Update</li> <li>• Rollforward Exceptions Approval</li> </ul>		<p><b>Data Processes Completed OK:</b></p> <ul style="list-style-type: none"> <li>• Tax FA RollFoward 19 / 21 RollForward Manual Exceptions Complete</li> </ul>	
<p>Tax Rollward Category – Update Account Grouping UI</p>		<p>This UI edits the Data Workbench’s copy of the Chart of Accounts table directly. This table is updated by the following process, which must be completed each month:</p> <p>Chart of Accounts 2 / 2 Accounts Inserted into Chart of Accounts</p>	
<p>Tax Rollward Category – Tax Activity Override UI</p>		<p><b>Data Processes Completed OK:</b></p> <ul style="list-style-type: none"> <li>• Tax FA RollFoward 21 / 21 RollForward Detail Searchable Table Complete</li> </ul>	
<p>Tax Rollward Category – Manage Tax Rollforward Categories</p>		<p><b>Data Processes Completed OK:</b></p> <ul style="list-style-type: none"> <li>• Tax FA RollFoward 21 / 21 RollForward Detail Searchable Table Complete</li> </ul>	

		<ul style="list-style-type: none"> <li>When categories are assigned, the UI uses a portion of this process to perform the data updates.</li> </ul>	
Tax Rollward Category – Assign Tax Rollforward Category		<p><b>Data Processes Completed OK:</b></p> <ul style="list-style-type: none"> <li>Tax FA RollFoward 21 / 21 RollForward Detail Searchable Table Complete</li> </ul> <p>When categories are assigned, the UI uses a portion of this process to perform the data updates.</p>	
Tax Rollward Category – Select Deloitte Depreciation Files		<p><b>Files Imported Successfully:</b></p> <ul style="list-style-type: none"> <li>Upload Deloitte Depreciation File(s)</li> </ul> <p><b>Data Process Completed OK:</b></p> <ul style="list-style-type: none"> <li>Tax Deloitte Depreciation 4 / 4 Tax Deloitte Depreciation Insert Complete</li> </ul>	
<b>Fixed Asset - Reports</b>			
<p>GAAP for Tax Structure Roll Forward – Options:</p> <ul style="list-style-type: none"> <li>Monthly</li> <li>Quarterly</li> <li>Yearly</li> </ul> <p>By Range</p>		<p><b>Files Imported Successfully:</b></p> <ul style="list-style-type: none"> <li>Tax FA RollFoward 1 / 21 Tax Group Map Import Running</li> <li>Tax FA RollFoward 1 / 21 Tax RollForward Manual Detail Import Running</li> <li>Tax TRS All Activity 4 / 4 Tax TRS Activity Insert Complete</li> </ul> <p><b>Data Processes completed OK:</b></p> <ul style="list-style-type: none"> <li>Tax FA RollFoward 8 / 21 FA Property Category Complete</li> </ul>	<p>The Fixed Asset Roll Forward process is the primary process in the Tax Data Workbench. The tables it updates are used by multiple UIs and Reports.</p> <p>The processes identified here are the minimum required for this report to be correct.</p>

		Tax FA RollFoward 13 / 21 RollForward Month Summary Complete	
GAAP for Tax Structure Roll Forward Monthly Detail		<p><b>Data Process Completed OK:</b></p> <ul style="list-style-type: none"> <li>Roll forward data rocess must already be completed, plus:</li> </ul> <p>Tax FA RollFoward 11 / 21 RollFoward Detail Complete</p>	
GAAP for Tax Structure Register – Options: <ul style="list-style-type: none"> <li>Detail Monthly Summary</li> </ul>		<p><b>Data Process Completed OK:</b></p> <ul style="list-style-type: none"> <li>Roll forward data rocess must already be completed, plus:</li> </ul> <p>Tax FA Register 3 / 9 Register Detail Complete</p>	
Tax Roll Forward with Book Tax Difference		<p><b>Files Imported Successfully:</b></p> <ul style="list-style-type: none"> <li>Tax Book Difference 2 / 4 Tax Book Difference Import Complete</li> </ul> <p><b>Data Process Completed OK:</b></p> <p>Tax Book Difference 4 / 4 Tax Book Difference Month Summary Insert Complete</p>	
Tax Roll Forward Yearly BNA Detail		This report is replaced by the CY Tax Basis Assets for Dep Software	
Tax Apportionment Detail		<p><b>Data Processes Completed OK</b></p> <ul style="list-style-type: none"> <li>Tax Book Difference 2 / 4 Tax Book Difference Import Complete</li> </ul> <p>Tax Apportionment 5 / 5 Tax Apportionment Summary Insert Complete</p>	<p>This process uses data generated by other processes:</p> <ul style="list-style-type: none"> <li>FA Rollforward Detail</li> <li>Fixed Asset Account Group</li> </ul> <p>Fixed Asset Book Tax Difference</p>
Tax Account Group Monthly Rollup		<p><b>Data Process Completed OK:</b></p> <ul style="list-style-type: none"> <li>Tax Account Group 3 / 3 Tax Account Group Month Rollup Insert Complete</li> </ul>	

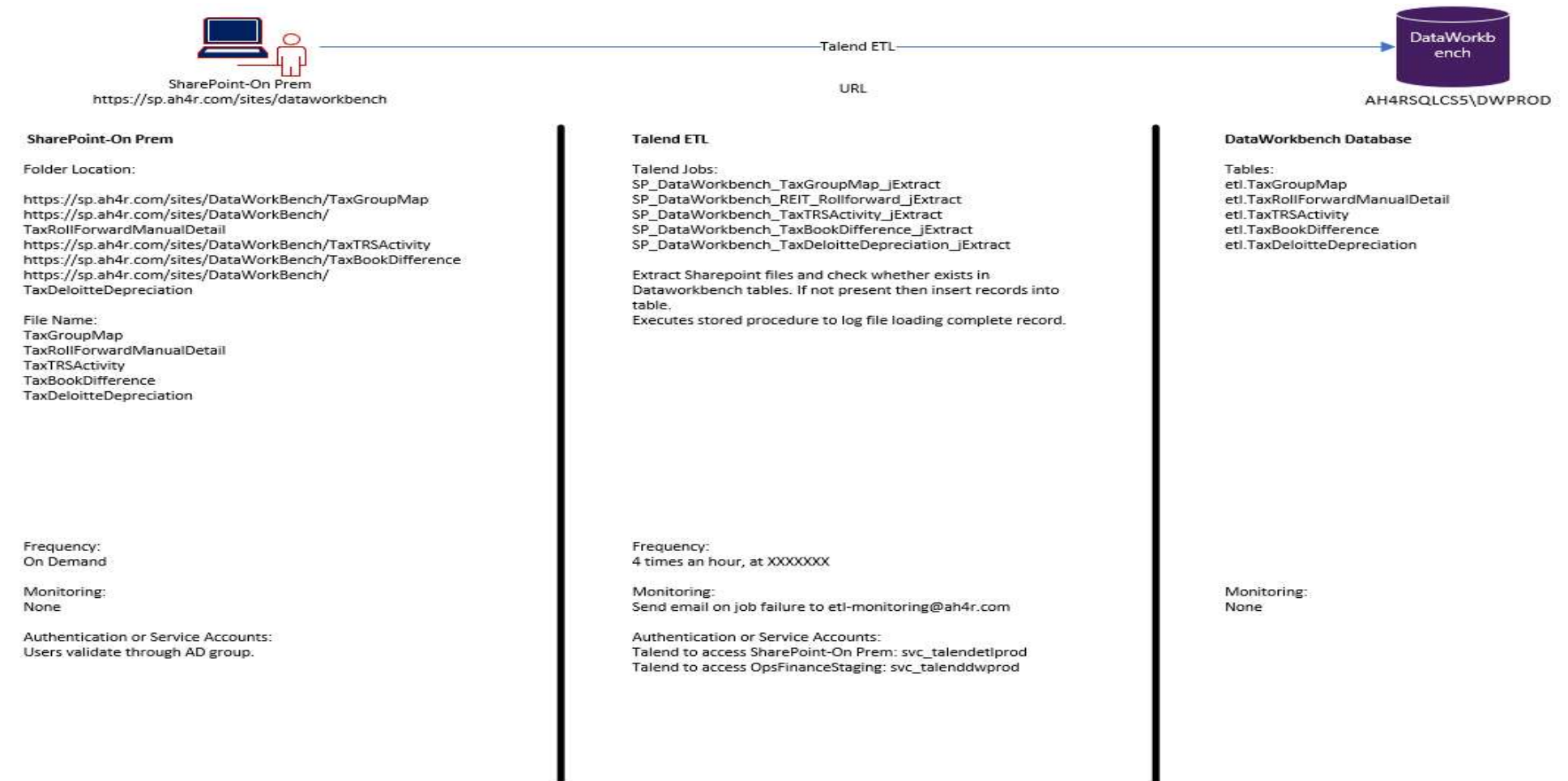
Tax Group Missing Entities	•	<ul style="list-style-type: none"> <li>Selects data from Fixed Assets Roll Forward data, so this process must have run successfully.</li> </ul>	
Tax Rollforward Monthly Unclassified Activity	•	<ul style="list-style-type: none"> <li>Selects data from Fixed Assets Roll Forward data, so this process must have run successfully.</li> </ul>	
CY Tax Basis Assets for Dep Software		<p><b>Data Processes Completed OK:</b></p> <ul style="list-style-type: none"> <li>Tax FA RollFoward 21 / 21 RollForward Detail Searchable Table Complete</li> </ul>	Please note that the 3 upload files are required for the FA Rollforward process to run.
<b>Revenue Apportionment</b>			
Revenue Exception UI		<p><b>Files Imported Successfully:</b></p> <ul style="list-style-type: none"> <li>Tax Revenue Adjustment</li> </ul> <p><b>Data Process Completed OK:</b></p> <ul style="list-style-type: none"> <li>Tax Revenue 3 / 7 Revenue Exception Insert Running</li> </ul>	
Revenue Apportionment - Reports		<p><b>Files Imported Successfully:</b></p> <ul style="list-style-type: none"> <li>Tax Revenue Adjustment</li> </ul> <p><b>Data Process Completed OK:</b></p> <ul style="list-style-type: none"> <li>Tax Revenue 7 / 7 Tax Revenue Reconciliation Insert Complete</li> </ul>	All of there Revenue Apportionment Reports require this process to be completed.

**Uploaded Files – ETL process**

The diagram below depicts the flow of data that is uploaded via the DW UI, placed by it in a designated SharePoint folder, then processed into the DW staging tables by Stored Procedures triggered by the ETL process. Staging tables are those with an 'etl.' Prefix.

The diagram does not show the **UploadFile** app within the DW system, which generates a portion of the file name in SharePoint, and places the file in the appropriate folder, depending on what type of file it is.

From there, other stored procedures brings the data into functional tables within DW (those used by processes and UIs), storing the data in tables with a prefix of "MAFixedAsset."



## List of SQL DB Tables

schema	table
app	Application
app	ELMAH_Error
app	GlobalLog
app	MenuOption
app	MenuOptionType
app	Process
app	ProcessHistory
app	RoleActivity
app	RoleActivityStatus
app	RoleUploadType
app	Status
app	UploadFile
app	UploadFileLog
app	UploadType
etl	TaxBookDifference
etl	TaxDeloitteDepreciation
etl	TaxGroupMap
etl	TaxRevenueAdjustment
etl	TaxRollForwardManualDetail
etl	TaxTRSActivity
MAFixedAsset	TaxAccountGroup
MAFixedAsset	TaxDeloitteDepreciation
MAFixedAsset	TaxDeloitteDepreciationTaxPeriod
MAFixedAsset	TaxGroupMap
MAFixedAsset	TaxPeriod
MAFixedAsset	TaxRegisterAccount
MAFixedAsset	TaxRollForwardAccount



schema	table
MAFixedAsset	TaxRollForwardCategory
MAFixedAsset	TaxRollForwardDate
MAFixedAsset	TaxRollForwardDetailException
MAFixedAsset	TaxRollForwardDetailOverride
MAFixedAsset	TaxRollForwardDetailOverrideFlatUI
MAFixedAsset	TaxRollForwardDetailSearchable
MAFixedAsset	TaxRollForwardEntity
MAFixedAsset	TaxRollForwardManualDetailException
MAFixedAsset	TaxRollForwardProperty
MAFixedAsset	TaxRollForwardPropertyCategory
MAFixedAsset	TaxRollForwardReference
MAFixedAsset	TaxRollForwardSegment
MAFixedAsset	TaxTRSActivity
MARevenue	AccountType
MARevenue	BalanceType
MARevenue	ChartOfAccounts
MARevenue	ReportType
MARevenue	RevenueException
MARevenue	TaxGroup
MARevenue	TaxPeriodClose
MARevenue	TaxRevenueAdjustment
rpt	TaxAccountGroupMonthRollup
rpt	TaxApportionmentCategory
rpt	TaxApportionmentDetail
rpt	TaxApportionmentSummary
rpt	TaxBookDifference
rpt	TaxRegisterDetail
rpt	TaxRegisterMonthSummary
rpt	TaxRegisterTBDetail

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schema	table
rpt	TaxRegisterTBMonthSummary
rpt	TaxRevenueReconciliation
rpt	TaxRollForwardAccount
rpt	TaxRollForwardAccountBackup
rpt	TaxRollForwardBookDifferenceMonthSummary
rpt	TaxRollForwardBookDifferenceQuarterSummary
rpt	TaxRollForwardDate
rpt	TaxRollForwardDetail
rpt	TaxRollForwardDetailLog
rpt	TaxRollForwardDetailSearchable
rpt	TaxRollForwardEntity
rpt	TaxRollForwardManualDetail
rpt	TaxRollForwardMonthSummary
rpt	TaxRollForwardProperty
rpt	TaxRollForwardQuarterSummary
rpt	TaxRollForwardQuarterSummaryBackup
rpt	TaxRollForwardReference
rpt	TaxRollForwardSegment

## Data Workbench Data Base - Tables &amp; Fields

Schema-Table	ColumnName	Data Type	DataLength
<b>app.Application</b>			
	DisplayName	varchar	8000
	ApplicationDescription	varchar	8000
	SortOrder	int	4
	CreateDate	datetime	8
	ApplicationId	int	4
<b>app.ELMAH_Error</b>			
	TimeUtc	datetime	8
	Sequence	int	4
	StatusCode	int	4
	User	sysname	256
	User	nvarchar	8000
	Message	sysname	256
	Message	nvarchar	8000
	Source	sysname	256
	Type	sysname	256
	Type	nvarchar	8000
	Host	sysname	256
	Host	nvarchar	8000
	Application	sysname	256
	ErrorId	uniqueidentifier	16
	Application	nvarchar	8000
	AllXml	ntext	16
	Source	nvarchar	8000
<b>app.GlobalLog</b>			
	RowPostChange	xml	-1
	ChangeDate	datetime	8
	UserId	varchar	8000
	TableName	varchar	8000
	PrimaryKeyId	int	4
	GlobalLogId	int	4
	RowPreChange	xml	-1
	Notes	varchar	8000
<b>app.MenuOption</b>			
	ApplicationId	int	4
	CreateDate	datetime	8
	SortOrder	int	4

Schema-Table	ColumnName	Data Type	DataLength
	MethodName	varchar	8000
	ControllerName	varchar	8000
	DisplayText	varchar	8000
	MenuOptionTypeld	int	4
	MenuOptionId	int	4
	URL	varchar	8000
<b>app.MenuOptionType</b>			
	CreateDate	datetime	8
	MenyTypeName	varchar	8000
	MenuOptionTypeld	int	4
<b>app.Process</b>			
	PostMonth	datetime	8
	StatusId	int	4
	InitiatedByUserId	varchar	8000
	UploadFileName	varchar	8000
	Notes	varchar	8000
	CreateDate	datetime	8
	ProcessId	int	4
<b>app.ProcessHistory</b>			
	StatusId	int	4
	Notes	varchar	8000
	ProcessId	int	4
	ProcessHistoryId	int	4
	CreateDate	datetime	8
<b>app.RoleActivity</b>			
	RoleActivityId	int	4
	ActiveDirectoryGroup	varchar	8000
	ControllerName	varchar	8000
	MethodName	varchar	8000
	ApplicationId	int	4
	CreateDate	datetime	8
<b>app.RoleActivityStatus</b>			
	RoleActivityStatusId	int	4
	CreateDate	datetime	8
	NextValidStatusId	int	4
	RoleActivityId	int	4
	CurrentStatusId	int	4
<b>app.RoleUploadType</b>			
	RoleUploadTypeld	int	4
	ActiveDirectoryGroup	varchar	8000

Schema-Table	ColumnName	Data Type	DataLength
	UploadTypeId	int	4
	CreateDate	datetime	8
<b>app.Status</b>			
	SelectionName	varchar	8000
	TotalProgress	sysname	256
	TotalProgress	nvarchar	8000
	LocalProgress	sysname	256
	CreateDate	datetime	8
	DisplayName	varchar	8000
	StatusId	int	4
	LocalProgress	nvarchar	8000
<b>app.UploadFile</b>			
	DisplayName	varchar	8000
	Size	bigint	8
	CreateDate	datetime	8
	StatusId	int	4
	UploadTypeId	int	4
	UploadFileId	int	4
	Extension	varchar	8000
	FullName	varchar	8000
	FullPath	varchar	8000
<b>app.UploadFileLog</b>			
	UploadFileLogId	int	4
	UploadFileId	int	4
	UserId	varchar	8000
	StatusId	int	4
	CreateDate	datetime	8
<b>app.UploadType</b>			
	PostIngestStoredProcedure	varchar	8000
	RemotePath	varchar	8000
	IngestStoredProcedure	varchar	8000
	PreIngestStoredProcedure	varchar	8000
	FileNamePrefix	varchar	8000
	UploadTypeId	int	4
	DisplayName	varchar	8000
	CreateDate	datetime	8
	ApplicationId	int	4
<b>etl.SharepointFiles</b>			
	FileId	int	4
	filename	varchar	8000

Schema-Table	ColumnName	Data Type	DataLength
<b>etl.TaxAssetTypeMap</b>			
	AssetClass	varchar	8000
	ImportDate	datetime	8
	UploadFileId	int	4
	AssetType	varchar	8000
	Account	int	4
	TaxAssetTypeMapId	bigint	8
	PostMonth	datetime	8
<b>etl.TaxBookDifference</b>			
	PlacedInServiceDate	datetime	8
	UploadFileId	int	4
	ImportDate	datetime	8
	PostMonth	varchar	8000
	State	varchar	8000
	Amount	decimal	17
	Account	int	4
	EntityCode	varchar	8000
	EntityId	numeric	17
	PropertyId	varchar	8000
	TaxBookDifferenceId	int	4
	Description	varchar	8000
<b>etl.TaxDeloitteDepreciation</b>			
	TransfersOut	decimal	17
	TaxDeloitteDepreciationId	int	4
	FederalTaxCostBeginningBalance	decimal	17
	FederalTaxCostAdditions	decimal	17
	FederalTaxCostDisposals	decimal	17
	FederalTaxCostTransfersOut	decimal	17
	FederalTaxCostEndingBalance	decimal	17
	FederalTaxDeprInPeriod	decimal	17
	FederalTaxDeprNetBookValue	decimal	17
	DepreciableBasis	decimal	17
	FederalTaxFactPatternLife	decimal	17
	Jurisdiction	varchar	8000
	TRSTransferDate	datetime	8
	ImportDate	datetime	8
	UploadFileId	int	4
	TotalCost	decimal	17
	AssetID	int	4
	Schedule	varchar	8000

Schema-Table	ColumnName	Data Type	DataLength
	PropertyId	varchar	8000
	FederalTaxFactPatternConvention	varchar	8000
	OriginalTaxSystemID	varchar	8000
	FederalTaxFactPatternMethod	varchar	8000
	LocationState	varchar	8000
	AssetGroup	varchar	8000
	AssetType	varchar	8000
	AssetStatus	varchar	8000
	DescriptionPerDepreciationSchedule	varchar	8000
	Description	varchar	8000
	AcquisitionDate	datetime	8
	YearInService	int	4
	PISMonth	int	4
	OriginalBookSystemID	varchar	8000
<b>etl.TaxGroupMap</b>			
	EntityName	varchar	8000
	Notes	varchar	8000
	UploadFileId	int	4
	ImportDate	datetime	8
	StatusId	int	4
	PostMonth	datetime	8
	TaxGroupMapId	int	4
	PropertyList	varchar	8000
	Portfolio	varchar	8000
	EntityCode	varchar	8000
	EntityId	numeric	17
	TaxGroup	varchar	8000
<b>etl.TaxRevenueAdjustment</b>			
	Net	decimal	17
	UploadFileId	int	4
	ImportDate	datetime	8
	Notes	varchar	8000
	TaxGroupName	varchar	8000
	ReferenceValue	varchar	8000
	Credit	decimal	17
	TaxRevenueAdjustmentId	bigint	8
	PostMonth	datetime	8
	Segment3	varchar	8000
	PropertyId	varchar	8000
	AccountDescription	varchar	8000

Schema-Table	ColumnName	Data Type	DataLength
	Account	int	4
	Debit	decimal	17
	PropertyState	varchar	8000
<b>etl.TaxRollForwardManualDetail</b>			
	PostMonth	datetime	8
	Control	varchar	8000
	Refer	varchar	8000
	Refer2	varchar	8000
	Description	varchar	8000
	Remarks	varchar	8000
	UploadFileId	int	4
	Net	decimal	17
	CreatedOn	datetime	8
	CreatedBy	varchar	8000
	Account	int	4
	Credit	decimal	17
	ImportDate	datetime	8
	Property	varchar	8000
	TaxRollForwardManualDetailId	int	4
	CostCenter	varchar	8000
	DueToFrom	varchar	8000
	OrgSource	varchar	8000
	ImSource	varchar	8000
	CapEx	varchar	8000
	PostDate	datetime	8
	Debit	decimal	17
<b>etl.TaxTRSActivity</b>			
	TransferredToLPDate	datetime	8
	PurchaseDate	datetime	8
	ImportDate	datetime	8
	TaxPeriod	varchar	8000
	SecondaryAgreementType	varchar	8000
	InitialAgreementType	varchar	8000
	TransferredDate	datetime	8
	UploadFileId	int	4
	ContributorPerAgreement	varchar	8000
	UnitStatus	varchar	8000
	State	varchar	8000
	City	varchar	8000
	Address	varchar	8000



Schema-Table	ColumnName	Data Type	DataLength
	PropertyId	varchar	8000
	OwnerPerCRM	varchar	8000
	TaxTRSActivityId	int	4
	SaleDate	datetime	8
	DwellingType	varchar	8000
<b>MAFixedAsset.CrmProperty</b>			
	DateAcquired	datetime	8
	CreateDate	datetime	8
	UnitStatus	varchar	8000
	InServiceDate	datetime	8
	PropId	varchar	8000
	CaptureDate	datetime	8
	CrmPropertyId	bigint	8
	Entity	varchar	8000
	AcquiredFrom	varchar	8000
<b>MAFixedAsset.DataLock</b>			
	FACrmLockDate	datetime	8
	CreateDate	datetime	8
	StatusId	int	4
	RevenueMonthCloseInd	bit	1
	FAMonthCloseInd	bit	1
	PostMonth	datetime	8
	DataLockId	int	4
	RevenueCrmLockDate	datetime	8
<b>MAFixedAsset.TaxAccountGroup</b>			
	SortOrder	int	4
	TaxPeriodId	int	4
	ImportDate	datetime	8
	StatusId	int	4
	TaxAccountGroupId	int	4
	Notes	varchar	8000
	TaxAccountGroupName	varchar	8000
<b>MAFixedAsset.TaxAssetTypeMap</b>			
	PostMonth	datetime	8
	StatusId	int	4
	AssetType	varchar	8000
	AssetClass	varchar	8000
	Account	int	4
	TaxAssetTypeMapId	bigint	8
	CreateDate	datetime	8

Schema-Table	ColumnName	Data Type	DataLength
<b>MAFixedAsset.TaxDeloitteDepreciation</b>			
	FederalTaxDeprInPeriod	decimal	17
	FederalTaxCostBeginningBalance	decimal	17
	FederalTaxCostAdditions	decimal	17
	FederalTaxCostDisposals	decimal	17
	FederalTaxCostTransfersOut	decimal	17
	FederalTaxCostEndingBalance	decimal	17
	FederalTaxFactPatternConvention	varchar	8000
	FederalTaxDeprNetBookValue	decimal	17
	DepreciableBasis	decimal	17
	FederalTaxFactPatternMethod	varchar	8000
	TRSTransferDate	datetime	8
	TotalCost	decimal	17
	FileName	varchar	8000
	ImportDate	datetime	8
	Jurisdiction	varchar	8000
	PropertyId	varchar	8000
	TransfersOut	decimal	17
	FederalTaxFactPatternLife	decimal	17
	Schedule	varchar	8000
	OriginalBookSystemID	varchar	8000
	OriginalTaxSystemID	varchar	8000
	AssetID	int	4
	LocationState	varchar	8000
	AssetType	varchar	8000
	AssetStatus	varchar	8000
	DescriptionPerDepreciationSchedule	varchar	8000
	Description	varchar	8000
	PISMonth	int	4
	AcquisitionDate	datetime	8
	YearInService	int	4
	AssetGroup	varchar	8000
	TaxDeloitteDepreciationId	int	4
<b>MAFixedAsset.TaxDeloitteDepreciationTaxPeriod</b>			
	TaxDeloitteDepreciationTaxPeriodId	int	4
	ImportDate	datetime	8
	StatusId	int	4
	IsFinalVersion	bit	1
	TaxPeriodId	int	4
	UploadFileName	varchar	8000

Schema-Table	ColumnName	Data Type	DataLength
<b>MAFixedAsset.TaxGroupMap</b>			
	ImportDate	datetime	8
	TaxGroupId	int	4
	StatusId	int	4
	TaxGroupMapId	int	4
	PostMonth	datetime	8
	Notes	varchar	8000
	Portfolio	varchar	8000
	PropertyList	varchar	8000
	EntityName	varchar	8000
	EntityId	numeric	17
	EntityCode	varchar	8000
	TaxGroup	varchar	8000
<b>MAFixedAsset.TaxPeriod</b>			
	EndDate	datetime	8
	ImportDate	datetime	8
	Notes	varchar	8000
	StatusId	int	4
	TaxGroup	varchar	8000
	StartDate	datetime	8
	TaxPeriodName	varchar	8000
	TaxPeriodId	int	4
	SortOrder	int	4
<b>MAFixedAsset.TaxRegisterAccount</b>			
	AccountNumber	varchar	8000
	ImportDate	datetime	8
	Notes	varchar	8000
	TaxAccountGroupId	int	4
	StatusId	int	4
	AccountDescription	varchar	8000
	MonthDate	datetime	8
	TaxRegisterAccountId	int	4
	SortOrder	int	4
<b>MAFixedAsset.TaxRollForwardAccount</b>			
	TaxRollForwardAccountId	int	4
	Account	varchar	8000
	AccountDescription	varchar	8000
<b>MAFixedAsset.TaxRollForwardCategory</b>			
	TaxRollForwardCategoryId	int	4
	ImportDate	datetime	8

Schema-Table	ColumnName	Data Type	DataLength
	SortOrder	int	4
	Notes	varchar	8000
	TaxRollForwardCategoryName	varchar	8000
	StatusId	int	4
<b>MAFixedAsset.TaxRollForwardDate</b>			
	RollForwardDate	varchar	8000
	Year	int	4
	RollForwardDatetime	datetime	8
	Month	int	4
	TaxRollForwardDateId	bigint	8
	Day	int	4
<b>MAFixedAsset.TaxRollForwardDetailException</b>			
	Segment4	varchar	8000
	StatusId	int	4
	CreateDate	datetime	8
	UpdateComments	varchar	8000
	Reason	varchar	8000
	TaxGroup	varchar	8000
	EntityCode	varchar	8000
	Notes	varchar	8000
	AccountingBook	int	4
	ManualReferenceValue	varchar	8000
	ReferenceValue	varchar	8000
	PropertyId	varchar	8000
	Segment3	varchar	8000
	TaxRollForwardDetailId	bigint	8
	TransactionNumber	varchar	8000
	UpdateReasonId	int	4
	TaxRollForwardDetailExceptionId	bigint	8
	PropertyState	varchar	8000
	Account	int	4
	AccountDescription	varchar	8000
	Amount	decimal	17
	PostMonth	datetime	8
	PostDate	datetime	8
	OriginalPropertyId	varchar	8000
<b>MAFixedAsset.TaxRollForwardDetailOverride</b>			
	TaxRollForwardDetailId	bigint	8
	StatusId	int	4
	CreateDate	datetime	8

Schema-Table	ColumnName	Data Type	DataLength
	ManualReferenceValue	varchar	8000
	TaxRollForwardDetailOverrideId	bigint	8
	TaxRollForwardCategoryId	int	4
<b>MAFixedAsset.TaxRollForwardDetailOverrideFlatUI</b>			
	OverrideValue	varchar	8000
	PropertyId	varchar	8000
	TaxGroup	varchar	8000
	StatusId	int	4
	OverrideTaxCategoryId	varchar	8000
	OverrideTaxCategoryName	varchar	8000
	OriginalTaxCategoryId	varchar	8000
	CreateDate	datetime	8
	OriginalTaxCategoryName	varchar	8000
	AccountingBook	varchar	8000
	Notes	varchar	8000
	TaxRollForwardDetailOverrideId	bigint	8
	AccountDescription	varchar	8000
	TaxRollForwardDetailId	bigint	8
	ManualReferenceValue	varchar	8000
	TransactionNumber	varchar	8000
	OriginalPropertyId	varchar	8000
	Account	varchar	8000
	Amount	varchar	8000
	PostMonth	varchar	8000
	PostDate	varchar	8000
	ReferenceValue	varchar	8000
<b>MAFixedAsset.TaxRollForwardDetailSearchable</b>			
	OriginalTaxRollForwardPropertyId	int	4
	TaxRollForwardDetailId	bigint	8
	OverrideTaxCategoryId	int	4
	OriginalTaxCategoryId	int	4
	TaxGroupId	int	4
	TaxRollForwardEntityId	int	4
	AccountingBook	int	4
	ManualReferenceValueId	int	4
	Segment4Id	int	4
	Segment3Id	int	4
	PostDateDateId	bigint	8
	PostMonthDateId	bigint	8
	TaxRollForwardDetailSearchableId	bigint	8

Schema-Table	ColumnName	Data Type	DataLength
	TaxRollForwardPropertyId	int	4
	ReferenceValueId	int	4
	TaxRollForwardAccountId	int	4
<b>MAFixedAsset.TaxRollForwardEntity</b>			
	EntityCode	varchar	8000
	TaxRollForwardEntityId	int	4
<b>MAFixedAsset.TaxRollForwardManualDetailException</b>			
	Credit	decimal	17
	Net	decimal	17
	Refer	varchar	8000
	Description	varchar	8000
	Remarks	varchar	8000
	Created	varchar	8000
	CreatedBy	varchar	8000
	Debit	decimal	17
	Source	varchar	8000
	CostCenter	varchar	8000
	StatusId	int	4
	PostDate	datetime	8
	CapEx	varchar	8000
	ImSource	varchar	8000
	DueToFrom	varchar	8000
	ImportDate	datetime	8
	ManualReferenceValue	varchar	8000
	PostMonth	datetime	8
	Account	varchar	8000
	PropertyId	varchar	8000
	TransactionNumber	varchar	8000
	TaxRollForwardManualDetailExceptionId	int	4
	OrgSource	varchar	8000
<b>MAFixedAsset.TaxRollForwardProperty</b>			
	PropertyState	varchar	8000
	PropertyId	varchar	8000
	TaxRollForwardPropertyId	int	4
<b>MAFixedAsset.TaxRollForwardPropertyCategory</b>			
	TransferredFromTRSDate	datetime	8
	ImportDate	datetime	8
	YearDate	datetime	8
	Notes	varchar	8000
	TaxRollForwardCategoryId	int	4

Schema-Table	ColumnName	Data Type	DataLength
	TransferredToTRSDate	datetime	8
	PropertyState	varchar	8000
	UnitStatus	varchar	8000
	AcquiredFrom	varchar	8000
	PurchasePlacedInService	datetime	8
	InServiceDateMatch	bit	1
	PriorYearInServiceDate	datetime	8
	CRMInServiceDate	datetime	8
	PurchaseDate	datetime	8
	Owner	varchar	8000
	PropertyId	varchar	8000
	TaxRollForwardPropertyCategoryId	int	4
	StatusId	int	4
	InPriorYearRollForwardSchedule	bit	1
<b>MAFixedAsset.TaxRollForwardReference</b>			
	TaxRollForwardReferenceId	int	4
	ReferenceValue	varchar	8000
<b>MAFixedAsset.TaxRollForwardSegment</b>			
	Segment	varchar	8000
	TaxRollForwardSegmentId	int	4
<b>MAFixedAsset.TaxTRSActivity</b>			
	TaxPeriodId	int	4
	ImportDate	datetime	8
	PurchaseDate	datetime	8
	SaleDate	datetime	8
	SecondaryAgreementType	varchar	8000
	TransferredToLPDate	datetime	8
	InitialAgreementType	varchar	8000
	TransferredDate	datetime	8
	DwellingType	varchar	8000
	ContributorPerAgreement	varchar	8000
	UnitStatus	varchar	8000
	State	varchar	8000
	City	varchar	8000
	Address	varchar	8000
	PropertyId	varchar	8000
	OwnerPerCRM	varchar	8000
	TaxTRSActivityId	int	4
<b>MARevenue.AccountType</b>			
	AccountTypeId	int	4

Schema-Table	ColumnName	Data Type	DataLength
	AccountTypeName	varchar	8000
	CreateDate	datetime	8
<b>MARevenue.BalanceType</b>			
	BalanceTypeId	int	4
	BalanceTypeName	varchar	8000
	CreateDate	datetime	8
<b>MARevenue.ChartOfAccounts</b>			
	DepreciationInd	bit	1
	AccountTypeId	int	4
	CreateDate	datetime	8
	StatusId	int	4
	BookTaxDifferenceInd	bit	1
	RevenueInd	bit	1
	ChartOfAccountsId	int	4
	NormalBalanceTypeId	int	4
	AccountDescription	varchar	8000
	AccountNumber	varchar	8000
	TaxPeriodId	int	4
	ReportTypeId	int	4
	FixedAssetInd	bit	1
<b>MARevenue.ReportType</b>			
	ReportTypeId	int	4
	ReportTypeName	varchar	8000
	CreateDate	datetime	8
<b>MARevenue.RevenueException</b>			
	Net	decimal	17
	PostMonth	datetime	8
	EntityCode	varchar	8000
	ReferenceValue	varchar	8000
	TransactionDescription	varchar	8000
	Notes	varchar	8000
	PropertyId	varchar	8000
	PropertyState	varchar	8000
	CreateDate	datetime	8
	Segment2	varchar	8000
	Credit	decimal	17
	StatusId	int	4
	TaxGroupId	int	4
	Segment4	varchar	8000
	Debit	decimal	17



Schema-Table	ColumnName	Data Type	DataLength
	TaxPeriodId	int	4
	TransactionNumber	varchar	8000
	Account	int	4
	AccountDescription	varchar	8000
	Segment1	varchar	8000
	Segment3	varchar	8000
	RevenueExceptionId	bigint	8
	TransactionDate	datetime	8
<b>MARevenue.TaxGroup</b>			
	TaxGroupName	varchar	8000
	StatusId	int	4
	CreateDate	datetime	8
	TaxGroupId	int	4
<b>MARevenue.TaxPeriodClose</b>			
	CreateDate	datetime	8
	TaxPeriodId	int	4
	RevenueCloseDate	datetime	8
	StatusId	int	4
	BookTaxDifferenceCloseDate	datetime	8
	DepreciationCloseDate	datetime	8
	TaxGroupId	int	4
	TaxPeriodCloseId	int	4
	FixedAssetCloseDate	datetime	8
<b>MARevenue.TaxRevenueAdjustment</b>			
	Net	decimal	17
	StatusId	int	4
	PropertyState	varchar	8000
	PropertyId	varchar	8000
	Notes	varchar	8000
	TransactionDescription	varchar	8000
	ReferenceValue	varchar	8000
	Debit	decimal	17
	PostMonth	datetime	8
	CreateDate	datetime	8
	Credit	decimal	17
	TaxPeriodId	int	4
	TransactionDate	datetime	8
	TaxRevenueAdjustmentId	bigint	8
	EntityCode	varchar	8000
	TaxGroupId	int	4

Schema-Table	ColumnName	Data Type	DataLength
	TransactionNumber	varchar	8000
	Account	int	4
	AccountDescription	varchar	8000
	Segment1	varchar	8000
	Segment2	varchar	8000
	Segment3	varchar	8000
	Segment4	varchar	8000
<b>rpt.TaxAccountGroupMonthRollup</b>			
	Amount043	decimal	17
	Amount049	decimal	17
	Amount048	decimal	17
	Amount047	decimal	17
	Amount046	decimal	17
	Amount045	decimal	17
	Amount044	decimal	17
	Amount050	decimal	17
	Amount042	decimal	17
	Amount041	decimal	17
	Amount040	decimal	17
	Amount051	decimal	17
	Amount038	decimal	17
	Amount057	decimal	17
	Amount037	decimal	17
	Amount036	decimal	17
	Amount039	decimal	17
	Amount060	decimal	17
	Amount069	decimal	17
	Amount068	decimal	17
	Amount067	decimal	17
	Amount066	decimal	17
	Amount065	decimal	17
	Amount064	decimal	17
	Amount063	decimal	17
	Amount055	decimal	17
	Amount061	decimal	17
	Amount052	decimal	17
	Amount059	decimal	17
	Amount058	decimal	17
	Amount027	decimal	17
	Amount056	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	Amount035	decimal	17
	Amount054	decimal	17
	Amount053	decimal	17
	Amount062	decimal	17
	Amount004	decimal	17
	Amount012	decimal	17
	Amount011	decimal	17
	Amount010	decimal	17
	Amount009	decimal	17
	Amount008	decimal	17
	Amount007	decimal	17
	Amount029	decimal	17
	Amount005	decimal	17
	Amount015	decimal	17
	Amount003	decimal	17
	Amount002	decimal	17
	Amount001	decimal	17
	TaxGroup	varchar	8000
	EntityId	varchar	8000
	TaxAccountGroupMonthRollupId	int	4
	Amount072	decimal	17
	Amount006	decimal	17
	Amount022	decimal	17
	Amount033	decimal	17
	Amount032	decimal	17
	Amount031	decimal	17
	Amount030	decimal	17
	Amount028	decimal	17
	Amount026	decimal	17
	Amount025	decimal	17
	Amount013	decimal	17
	Amount023	decimal	17
	Amount014	decimal	17
	Amount021	decimal	17
	Amount020	decimal	17
	Amount019	decimal	17
	Amount018	decimal	17
	Amount017	decimal	17
	Amount016	decimal	17
	Amount034	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	Amount024	decimal	17
	Amount097	decimal	17
	Amount089	decimal	17
	Amount090	decimal	17
	Amount091	decimal	17
	Amount092	decimal	17
	Amount093	decimal	17
	Amount088	decimal	17
	Amount095	decimal	17
	Amount094	decimal	17
	Amount098	decimal	17
	Amount099	decimal	17
	Amount100	decimal	17
	MonthDate	datetime	8
	Notes	varchar	8000
	CreateDate	datetime	8
	Amount071	decimal	17
	Amount073	decimal	17
	Amount096	decimal	17
	Amount070	decimal	17
	Amount087	decimal	17
	Amount074	decimal	17
	Amount075	decimal	17
	Amount076	decimal	17
	Amount077	decimal	17
	Amount078	decimal	17
	Amount079	decimal	17
	Amount080	decimal	17
	Amount081	decimal	17
	Amount082	decimal	17
	Amount083	decimal	17
	Amount084	decimal	17
	Amount085	decimal	17
	Amount086	decimal	17
<b>rpt.TaxApportionmentCategory</b>			
	TaxPeriodId	int	4
	ImportDate	datetime	8
	SortOrder	int	4
	TaxApportionmentCategoryId	int	4
	StatusId	int	4

Schema-Table	ColumnName	Data Type	DataLength
	TaxApportionmentCategoryName	varchar	8000
	Notes	varchar	8000
<b>rpt.TaxApportionmentDetail</b>			
	IncreaseDecreasePercent	decimal	17
	ImportDate	datetime	8
	TaxPeriodId	int	4
	CombineFiling	varchar	8000
	RCOKOneLossIncome	varchar	8000
	FundOneKOneLossIncome	varchar	8000
	ApportionmentStateFactors	varchar	8000
	FullStateName	varchar	8000
	DepreciableBasisWithoutTransfersPercent	decimal	17
	TransfersOutPercent	decimal	17
	DepreciableBasisIncludingTransfersPercent	decimal	17
	DepreciableBasisWithoutTransfers	decimal	17
	TransfersOut	decimal	17
	DepreciableBasis	decimal	17
	State	varchar	8000
	TaxApportionmentDetailId	int	4
<b>rpt.TaxApportionmentSummary</b>			
	CostEndingCalculation014	decimal	17
	CostEndingCalculation015	decimal	17
	CostEndingCalculation016	decimal	17
	CostEndingCalculation017	decimal	17
	CostEndingCalculation018	decimal	17
	CostEndingCalculation019	decimal	17
	CostEndingCalculation020	decimal	17
	CostEndingCalculation021	decimal	17
	CostEndingCalculation013	decimal	17
	CostEndingCalculation023	decimal	17
	CostEndingCalculation008	decimal	17
	CostEndingCalculation024	decimal	17
	CostEndingCalculation022	decimal	17
	CostEndingCalculation012	decimal	17
	CostEndingCalculation011	decimal	17
	CostEndingCalculation025	decimal	17
	CostEndingCalculation009	decimal	17
	CostEndingCalculation030	decimal	17
	CostEndingCalculation007	decimal	17
	CostEndingCalculation006	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	CostEndingCalculation005	decimal	17
	CostEndingCalculation004	decimal	17
	CostEndingCalculation003	decimal	17
	CostEndingCalculation002	decimal	17
	CostEndingCalculation001	decimal	17
	CostEnding050	decimal	17
	CostEnding049	decimal	17
	CostEndingCalculation010	decimal	17
	CostEndingCalculation040	decimal	17
	CostEnding021	decimal	17
	CostEnding048	decimal	17
	TaxPeriodId	int	4
	CostEndingCalculation050	decimal	17
	CostEndingCalculation049	decimal	17
	CostEndingCalculation048	decimal	17
	CostEndingCalculation047	decimal	17
	CostEndingCalculation046	decimal	17
	CostEndingCalculation045	decimal	17
	CostEndingCalculation044	decimal	17
	CostEndingCalculation043	decimal	17
	CostEndingCalculation028	decimal	17
	CostEndingCalculation041	decimal	17
	CostEndingCalculation026	decimal	17
	CostEndingCalculation039	decimal	17
	CostEndingCalculation038	decimal	17
	CostEndingCalculation037	decimal	17
	CostEndingCalculation036	decimal	17
	CostEndingCalculation035	decimal	17
	CostEndingCalculation034	decimal	17
	CostEndingCalculation033	decimal	17
	CostEndingCalculation032	decimal	17
	CostEndingCalculation031	decimal	17
	CostEndingCalculation029	decimal	17
	ImportDate	datetime	8
	CostEndingCalculation027	decimal	17
	CostEndingCalculation042	decimal	17
	CostEnding004	decimal	17
	CostEnding017	decimal	17
	CostEnding023	decimal	17
	CostEnding015	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	CostEnding014	decimal	17
	CostEnding013	decimal	17
	CostEnding012	decimal	17
	CostEnding011	decimal	17
	CostEnding010	decimal	17
	CostEnding009	decimal	17
	CostEnding008	decimal	17
	CostEnding007	decimal	17
	CostEnding047	decimal	17
	CostEnding005	decimal	17
	CostEnding018	decimal	17
	CostEnding003	decimal	17
	CostEnding002	decimal	17
	CostEnding001	decimal	17
	IncreaseDecreasePercent	decimal	17
	DepreciableBasisWithoutTransfersPercent	decimal	17
	TransfersOutPercent	decimal	17
	DepreciableBasisIncludingTransfersPercent	decimal	17
	DepreciableBasisWithoutTransfers	decimal	17
	TransfersOut	decimal	17
	DepreciableBasis	decimal	17
	State	varchar	8000
	TaxApportionmentSummaryId	int	4
	CostEnding006	decimal	17
	CostEnding034	decimal	17
	CostEnding046	decimal	17
	CostEnding045	decimal	17
	CostEnding044	decimal	17
	CostEnding043	decimal	17
	CostEnding042	decimal	17
	CostEnding041	decimal	17
	CostEnding040	decimal	17
	CostEnding039	decimal	17
	CostEnding038	decimal	17
	CostEnding037	decimal	17
	CostEnding016	decimal	17
	CostEnding035	decimal	17
	CostEnding019	decimal	17
	CostEnding025	decimal	17
	CostEnding020	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	CostEnding022	decimal	17
	CostEnding036	decimal	17
	CostEnding024	decimal	17
	CostEnding033	decimal	17
	CostEnding026	decimal	17
	CostEnding027	decimal	17
	CostEnding028	decimal	17
	CostEnding029	decimal	17
	CostEnding030	decimal	17
	CostEnding031	decimal	17
	CostEnding032	decimal	17
<b>rpt.TaxBookDifference</b>			
	PostMonth	varchar	8000
	PostYear	int	4
	State	varchar	8000
	Amount	decimal	17
	PlacedInServiceDate	datetime	8
	Account	int	4
	EntityCode	varchar	8000
	EntityId	numeric	17
	TaxBookDifferenceId	int	4
	PropertyId	varchar	8000
	Description	varchar	8000
	ImportDate	datetime	8
<b>rpt.TaxRegisterDetail</b>			
	MonthDate	datetime	8
	CreateDate	datetime	8
	TaxGroup	varchar	8000
	Amount	decimal	17
	PropertyId	varchar	8000
	EntityId	varchar	8000
	TaxRegisterDetailId	int	4
	Account	int	4
	Notes	varchar	8000
<b>rpt.TaxRegisterMonthSummary</b>			
	Amount076	decimal	17
	Amount066	decimal	17
	Amount067	decimal	17
	Amount068	decimal	17
	Amount069	decimal	17



Schema-Table	ColumnName	Data Type	DataLength
	Amount070	decimal	17
	Amount072	decimal	17
	Amount074	decimal	17
	Amount065	decimal	17
	Amount056	decimal	17
	Amount071	decimal	17
	Amount064	decimal	17
	Amount063	decimal	17
	Amount062	decimal	17
	Amount061	decimal	17
	Amount060	decimal	17
	Amount059	decimal	17
	Amount077	decimal	17
	Amount057	decimal	17
	Amount085	decimal	17
	Amount055	decimal	17
	Amount054	decimal	17
	Amount053	decimal	17
	Amount052	decimal	17
	Amount058	decimal	17
	Amount090	decimal	17
	CreateDate	datetime	8
	Notes	varchar	8000
	MonthDate	datetime	8
	Amount100	decimal	17
	Amount099	decimal	17
	Amount098	decimal	17
	Amount097	decimal	17
	Amount096	decimal	17
	Amount095	decimal	17
	Amount094	decimal	17
	Amount093	decimal	17
	Amount083	decimal	17
	Amount091	decimal	17
	Amount078	decimal	17
	Amount089	decimal	17
	Amount088	decimal	17
	Amount087	decimal	17
	Amount086	decimal	17
	Amount073	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	Amount084	decimal	17
	Amount051	decimal	17
	Amount082	decimal	17
	Amount081	decimal	17
	Amount080	decimal	17
	Amount079	decimal	17
	Amount092	decimal	17
	Amount009	decimal	17
	Amount050	decimal	17
	Amount020	decimal	17
	Amount019	decimal	17
	Amount018	decimal	17
	Amount017	decimal	17
	Amount016	decimal	17
	Amount015	decimal	17
	Amount014	decimal	17
	Amount013	decimal	17
	Amount012	decimal	17
	Amount022	decimal	17
	Amount010	decimal	17
	Amount023	decimal	17
	Amount008	decimal	17
	Amount007	decimal	17
	Amount006	decimal	17
	Amount005	decimal	17
	Amount004	decimal	17
	Amount003	decimal	17
	Amount002	decimal	17
	Amount001	decimal	17
	EntityId	varchar	8000
	TaxRegisterMonthSummaryId	int	4
	Amount075	decimal	17
	Amount011	decimal	17
	Amount037	decimal	17
	Amount049	decimal	17
	Amount048	decimal	17
	Amount047	decimal	17
	Amount046	decimal	17
	Amount045	decimal	17
	Amount044	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	Amount043	decimal	17
	Amount042	decimal	17
	Amount041	decimal	17
	Amount040	decimal	17
	Amount021	decimal	17
	Amount038	decimal	17
	Amount024	decimal	17
	Amount029	decimal	17
	Amount025	decimal	17
	Amount026	decimal	17
	Amount039	decimal	17
	Amount028	decimal	17
	Amount036	decimal	17
	Amount030	decimal	17
	Amount031	decimal	17
	Amount032	decimal	17
	Amount033	decimal	17
	Amount034	decimal	17
	Amount035	decimal	17
	Amount027	decimal	17
<b>rpt.TaxRegisterTBDetail</b>			
	CreateDate	datetime	8
	Notes	varchar	8000
	TaxGroup	varchar	8000
	Account	int	4
	PropertyId	varchar	8000
	EntityId	varchar	8000
	TaxRegisterTBDetailId	int	4
	Amount	decimal	17
	MonthDate	datetime	8
<b>rpt.TaxRegisterTBMonthSummary</b>			
	Amount075	decimal	17
	Amount067	decimal	17
	Amount068	decimal	17
	Amount069	decimal	17
	Amount070	decimal	17
	Amount071	decimal	17
	Amount072	decimal	17
	Amount074	decimal	17
	Amount063	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	Amount076	decimal	17
	Amount077	decimal	17
	Amount073	decimal	17
	Amount066	decimal	17
	Amount064	decimal	17
	Amount081	decimal	17
	Amount062	decimal	17
	Amount061	decimal	17
	Amount060	decimal	17
	Amount059	decimal	17
	Amount058	decimal	17
	Amount057	decimal	17
	Amount056	decimal	17
	Amount055	decimal	17
	Amount054	decimal	17
	Amount053	decimal	17
	Amount065	decimal	17
	Amount092	decimal	17
	Amount052	decimal	17
	Notes	varchar	8000
	MonthDate	datetime	8
	Amount100	decimal	17
	Amount099	decimal	17
	Amount098	decimal	17
	Amount097	decimal	17
	Amount096	decimal	17
	Amount095	decimal	17
	Amount094	decimal	17
	Amount008	decimal	17
	Amount079	decimal	17
	CreateDate	datetime	8
	Amount078	decimal	17
	Amount091	decimal	17
	Amount090	decimal	17
	Amount089	decimal	17
	Amount088	decimal	17
	Amount087	decimal	17
	Amount086	decimal	17
	Amount085	decimal	17
	Amount084	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	Amount083	decimal	17
	Amount082	decimal	17
	Amount080	decimal	17
	Amount093	decimal	17
	Amount009	decimal	17
	Amount024	decimal	17
	Amount023	decimal	17
	Amount021	decimal	17
	Amount019	decimal	17
	Amount018	decimal	17
	Amount017	decimal	17
	Amount016	decimal	17
	Amount015	decimal	17
	Amount014	decimal	17
	Amount013	decimal	17
	Amount025	decimal	17
	Amount011	decimal	17
	Amount022	decimal	17
	Amount007	decimal	17
	Amount006	decimal	17
	Amount005	decimal	17
	Amount004	decimal	17
	Amount003	decimal	17
	Amount002	decimal	17
	Amount001	decimal	17
	EntityId	varchar	8000
	TaxRegisterTBMonthSummaryId	int	4
	Amount010	decimal	17
	Amount051	decimal	17
	Amount012	decimal	17
	Amount040	decimal	17
	Amount050	decimal	17
	Amount049	decimal	17
	Amount048	decimal	17
	Amount047	decimal	17
	Amount046	decimal	17
	Amount045	decimal	17
	Amount044	decimal	17
	Amount043	decimal	17
	Amount020	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	Amount041	decimal	17
	Amount026	decimal	17
	Amount039	decimal	17
	Amount038	decimal	17
	Amount029	decimal	17
	Amount027	decimal	17
	Amount042	decimal	17
	Amount028	decimal	17
	Amount037	decimal	17
	Amount030	decimal	17
	Amount031	decimal	17
	Amount032	decimal	17
	Amount033	decimal	17
	Amount034	decimal	17
	Amount035	decimal	17
	Amount036	decimal	17
<b>rpt.TaxRevenueReconciliation</b>			
	TBRollupTransactions	int	4
	StatusId	int	4
	AdjustmentTransactions	int	4
	AdjustmentTotal	decimal	17
	PropertyTransactions	int	4
	PropertyTotal	decimal	17
	EntityTransactions	int	4
	EntityTotal	decimal	17
	PostMonth	datetime	8
	TBRollup	decimal	17
	TotalTransactions	int	4
	Total	decimal	17
	PropertyState	varchar	8000
	PropertyId	varchar	8000
	EntityCode	varchar	8000
	AccountDescription	varchar	8000
	Account	int	4
	TaxRevenueReconciliationId	bigint	8
	TaxGroupId	int	4
	CreateDate	datetime	8
<b>rpt.TaxRollForwardAccount</b>			
	AccountDescription	varchar	8000
	TaxRollForwardAccountId	int	4

Schema-Table	ColumnName	Data Type	DataLength
	Account	varchar	8000
<b>rpt.TaxRollForwardAccountBackup</b>			
	TaxRollForwardAccountId	int	4
	Account	varchar	8000
	AccountDescription	varchar	8000
<b>rpt.TaxRollForwardBookDifferenceMonthSummary</b>			
	RollupPropertyVariance	decimal	17
	CreateDate	datetime	8
	PostMonth	datetime	8
	TotalVariance	decimal	17
	EntityTotal	decimal	17
	PropertyTotal	decimal	17
	RollupTotal	decimal	17
	MonthTotal	decimal	17
	AccountDescription	varchar	8000
	TaxRollForwardBookDifferenceMonthSummaryId	int	4
	Account	int	4
<b>rpt.TaxRollForwardBookDifferenceQuarterSummary</b>			
	RollupTotal	decimal	17
	EntityTotal	decimal	17
	TotalVariance	decimal	17
	CreateDate	datetime	8
	RollupPropertyVariance	decimal	17
	PropertyTotal	decimal	17
	Month3Total	decimal	17
	Month2Total	decimal	17
	Month1Total	decimal	17
	AccountDescription	varchar	8000
	Account	int	4
	TaxRollForwardBookDifferenceQuarterSummaryId	int	4
	QuarterTotal	decimal	17
	PostMonth	datetime	8
<b>rpt.TaxRollForwardDate</b>			
	Day	int	4
	RollForwardDate	varchar	8000
	Month	int	4
	Year	int	4
	TaxRollForwardDateId	bigint	8
<b>rpt.TaxRollForwardDetail</b>			
	PostMonth	datetime	8

Schema-Table	ColumnName	Data Type	DataLength
	StatusId	int	4
	TaxGroup	varchar	8000
	EntityCode	varchar	8000
	Notes	varchar	8000
	AccountingBook	int	4
	ManualReferenceValue	varchar	8000
	ReferenceValue	varchar	8000
	hMy	numeric	17
	Segment4	varchar	8000
	CreateDate	datetime	8
	Amount	decimal	17
	AccountDescription	varchar	8000
	Account	int	4
	PropertyState	varchar	8000
	PropertyId	varchar	8000
	OriginalPropertyId	varchar	8000
	TransactionNumber	varchar	8000
	TaxRollForwardDetailId	bigint	8
	PostDate	datetime	8
	Segment3	varchar	8000
<b>rpt.TaxRollForwardDetailLog</b>			
	Segment4	varchar	8000
	ReferenceValue	varchar	8000
	ManualReferenceValue	varchar	8000
	ChangeDate	datetime	8
	AccountingBook	int	4
	PropertyState	varchar	8000
	Notes	varchar	8000
	TaxRollForwardDetailStatusId	int	4
	PreviousTaxRollForwardDetailLogId	bigint	8
	Comments	varchar	8000
	UserId	varchar	8000
	TransactionNumber	varchar	8000
	AccountDescription	varchar	8000
	Segment3	varchar	8000
	TaxRollForwardDetailId	bigint	8
	OriginalPropertyId	varchar	8000
	PropertyId	varchar	8000
	Account	int	4
	Amount	decimal	17



Schema-Table	ColumnName	Data Type	DataLength
	PostMonth	datetime	8
	PostDate	datetime	8
	TaxRollForwardDetailLogId	bigint	8
<b>rpt.TaxRollForwardDetailSearchable</b>			
	Segment4Id	int	4
	ReferenceValueId	int	4
	TaxRollForwardDetailId	bigint	8
	TaxGroupId	int	4
	TaxRollForwardEntityId	int	4
	AccountingBook	int	4
	TaxRollForwardDetailSearchableId	bigint	8
	PostDateDateId	bigint	8
	PostMonthDateId	bigint	8
	TaxRollForwardAccountId	int	4
	TaxRollForwardPropertyId	int	4
	OriginalTaxRollForwardPropertyId	int	4
	Segment3Id	int	4
	ManualReferenceValueId	int	4
<b>rpt.TaxRollForwardEntity</b>			
	TaxRollForwardEntityId	int	4
	EntityCode	varchar	8000
<b>rpt.TaxRollForwardManualDetail</b>			
	PostMonth	datetime	8
	Control	varchar	8000
	Refer	varchar	8000
	Refer2	varchar	8000
	Description	varchar	8000
	Remarks	varchar	8000
	Created	varchar	8000
	CreatedBy	varchar	8000
	ImportDate	datetime	8
	Net	decimal	17
	Property	varchar	8000
	StatusId	int	4
	Count	int	4
	Debit	decimal	17
	PostDate	datetime	8
	CapEx	varchar	8000
	ImSource	varchar	8000
	OrgSource	varchar	8000

Schema-Table	ColumnName	Data Type	DataLength
	DueToFrom	varchar	8000
	Account	varchar	8000
	Credit	decimal	17
	CostCenter	varchar	8000
	TaxRollForwardManualDetailId	int	4
<b>rpt.TaxRollForwardMonthSummary</b>			
	ConstructionInProgress	decimal	17
	Unclassified	decimal	17
	CreateDate	datetime	8
	RollupTotal	decimal	17
	RollupPropertyVariance	decimal	17
	EntityTotal	decimal	17
	TotalVariance	decimal	17
	PostMonth	datetime	8
	MonthTotal	decimal	17
	TransferReclass	decimal	17
	TaxGroup	varchar	8000
	Writedowns	decimal	17
	Recinded	decimal	17
	Disposals	decimal	17
	HoldingCosts	decimal	17
	RenovationCapEx	decimal	17
	Acquisitions	decimal	17
	BeginningBalance	decimal	17
	AccountDescription	varchar	8000
	Account	int	4
	TaxRollForwardMonthSummaryId	int	4
	WritedownsDis	decimal	17
	PropertyTotal	decimal	17
<b>rpt.TaxRollForwardProperty</b>			
	TaxRollForwardPropertyId	int	4
	PropertyId	varchar	8000
	PropertyState	varchar	8000
<b>rpt.TaxRollForwardQuarterSummary</b>			
	Unclassified	decimal	17
	PostMonth	datetime	8
	TaxGroup	varchar	8000
	TotalVariance	decimal	17
	PropertyTotal	decimal	17
	RollupPropertyVariance	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	CreateDate	datetime	8
	RollupTotal	decimal	17
	QuarterTotal	decimal	17
	Month3Total	decimal	17
	Month2Total	decimal	17
	Month1Total	decimal	17
	Acquisitions	decimal	17
	ConstructionInProgress	decimal	17
	EntityTotal	decimal	17
	TaxRollForwardQuarterSummaryId	int	4
	AccountDescription	varchar	8000
	RenovationCapEx	decimal	17
	HoldingCosts	decimal	17
	Disposals	decimal	17
	Recinded	decimal	17
	Writedowns	decimal	17
	WritedownsDis	decimal	17
	TransferReclass	decimal	17
	Account	int	4
<b>rpt.TaxRollForwardQuarterSummaryBackup</b>			
	CreateDate	datetime	8
	RollupTotal	decimal	17
	Month2Total	decimal	17
	Month3Total	decimal	17
	QuarterTotal	decimal	17
	PropertyTotal	decimal	17
	RollupPropertyVariance	decimal	17
	EntityTotal	decimal	17
	TotalVariance	decimal	17
	Month1Total	decimal	17
	PostMonth	datetime	8
	Recinded	decimal	17
	TaxGroup	varchar	8000
	Acquisitions	decimal	17
	TaxRollForwardQuarterSummaryId	int	4
	WritedownsDis	decimal	17
	AccountDescription	varchar	8000
	Unclassified	decimal	17
	RenovationCapEx	decimal	17
	HoldingCosts	decimal	17

Schema-Table	ColumnName	Data Type	DataLength
	Disposals	decimal	17
	Writedowns	decimal	17
	TransferReclass	decimal	17
	ConstructionInProgress	decimal	17
	Account	int	4
<b>rpt.TaxRollForwardReference</b>			
	TaxRollForwardReferenceId	int	4
	ReferenceValue	varchar	8000
<b>rpt.TaxRollForwardSegment</b>			
	Segment	varchar	8000
	TaxRollForwardSegmentId	int	4

**Yardi Tables – From OpsFinanceStaging Data Base**

Table	ColumnName	Data Type	DataLength
<b>Yardi.GLDETAIL</b>			
	ETL Created	Date/time	
	ETL Updated	Date/time	
	HPROP	Numeric	
	HACCT	Numeric	
	IBOOK	Numeric	
	ITYPE	Numeric	
	HDETAIL	Numeric	
	HPERSON	Numeric	
	DAMOUNT	Numeric	
	STRANNUM	Varchar	
	SREF	Varchar	
	SNOTES	Varchar	
	SSEGMENT1	Varchar	
	SSEGMENT2	Varchar	
	SSEGMENT3	Varchar	
	SSEGMENT4	Varchar	
	DTPost	Date/time	
	DTDATE	Date/time	
	SSEGMENT5	Varchar	
<b>Yardi.ACCOUNT</b>			

**Job Agent – FARollforward\_Insert Process Stream**

Summary – this job stream is the primary update process for the Data Workbench. The name of the job is job.DataWorkbench\_FARollforward\_Insert.sql.

Characteristics:

- Run interval – runs every 5 minutes.
- All with Rollback – i.e., if update fails, it roils back to pre-process data state.
- These Stored Procedures first check if there is any new data to process. If not, the SP ends; otherwise it runs.
- The process is sequential; no parallel processes. Next consecutive step / stored procedure does not start until preceding step has completed.

The job calls these Stored Procedures, in the sequence shown below:

<b>Group – for Sequence Diagram</b>	<b>Name – of SP &amp; in Sequence Diagram</b>
JOB Agent Namew	DataWorkbench_FARollforward_Insert
Data Preparation	1. DataLock_Insert
Data Preparation	2. ChartOfAccounts_Insert
Tax TRS Activity	3. TaxTRSActivity_Insert
CRM Data Capture	4. CrmProperty_Insert
Tax Register Account	5. TaxRegisterAccount_Insert
Tax FA Roll Forward	6. TaxRollForwardPropertyCategory_Insert
Tax FA Roll Forward	7. TaxRollForwardDetail_Insert
Tax FA Roll Forward	8. TaxRollForwardMonthSummary_Insert
Tax FA Roll Forward	9. TaxRollForwardQuarterSummary_Insert
Tax Register	10. TaxRegisterDetail_Insert
Tax Register	11. TaxRegisterTBDetail_Insert
Tax Register	12. TaxRegisterMonthSummary_Insert
Tax Register	13. TaxRegisterTBMonthSummary_Insert
Tax FA Roll Forward Detail	14. TaxRollForwardDetailException_Insert

Tax FA Roll Forward Detail	15. TaxRollForwardManualDetailException_Insert
Tax Account Group Monthly Rollup	16. TaxAccountGroupMonthRollup_Insert
Tax Book Difference	17. TaxRollForwardBookDifferenceMonthySummary_Insert
Tax Deloitte Depreciation	18. TaxDeloitteDepreciation_Insert
Tax FA Apportionment	19. TaxApportionmentDetail_Insert
Tax FA Apportionment	20. TaxApportionmentSummary_Insert
Tax FA Roll Forward Detail Searchable	21. TaxRollForwardDetailSearchable_Insert

**Tax SQL Processing; Summaries of each Step.**

The Roll Forward information for both the detail and summary originates by pulling the GL Detail information from the Yardi tables in the Data Warehouse. Processing for each month's reports is kicked off by uploading any of the upload files (Tax Group Map, TRS Activity, Manual REIT Roll Forward, Book Tax Difference, Deloitte Depreciation). This copies the file to SharePoint. The Talend ETL runs every 15 minutes to process any of these files, which then creates an app.Process entry. The job called **DataWorkbench\_FARollforward\_Insert** runs every 5 minutes to watch for any of these app.Processes entries.

Note: The rationale behind this design is to make data uploading, importing, and processing as transparent to the user as possible, while providing prompt updating when some data set changes, such as a freshly uploaded source data file. However, these programs process a large quantity of data in many cases, and within some of them, there are essentially sub-programs, or conditional branching, so the run times can vary considerably, as well as in come cases, run for a long time before completing. If a data source to the program has not changed since the last time it ran, the next process is skipped, to avoid endlessly reprocessing the same data repeatedly.

**MAFixedAsset.DataLock\_Insert - 1**

This adds new entries to the Data Lock table so that data locks can be added for new months as they arise. Needs no starting status, does not kick off any other processes. Running status: 124, ending status: 125.

**MARevenue.ChartOfAccounts\_Insert - 2**

This adds missing accounts to the ChartOfAccounts table for the current Tax Period. Needs no starting status, does not kick off any other processes. Running status: 205, ending status: 206

**MA\_FixedAsset.TaxTRSActivity\_Insert - 3**

When the app.Process status is 140, it clears and repopulates the TRS Activity values for that year in the DataWorkbench.MAFixedAsset.TaxTRSActivity table. The app.Process table entry is then set to status 141.

---

**MA\_FixedAsset.CrmProperty\_Insert - 4**

This process creates a shadow copy of the CRM property data. Needs no starting status, will run on the 3<sup>rd</sup> and 17<sup>th</sup>. Running status: 126, end status: 128 or 129, depending on whether this is the 3<sup>rd</sup> or 17<sup>th</sup>.

**MA\_FixedAsset.TaxRegisterAccount\_Insert - 5**

This process enters new fixed asset accounts from the ChartOfAccounts table into the TaxRegisterAccount table to drive the register process. Running status: 1231, ending status: 130.

**MA\_FixedAsset.TaxRollForwardPropertyCategory\_Insert - 6**

This Process populates the Tax Rollforward Property Category table with new entries, changes to linked table.

**rpt.TaxRollForwardDetail\_Insert - 7**

When the app.Process status is 100, it clears and repopulates the Roll Forward Detail values for that month in the DataWorkbench.rpt.TaxRollForwardDetail table. The app.Process table entry is then set to status 101.

**rpt.TaxRollForwardMonthSummary\_Insert - 8**

When the app.Process status is 101, it clears and repopulates the Roll Forward Detail values for that month in the DataWorkbench.rpt.TaxRollForwardMonthSummary table. The app.Process table entry is then set to status 102.

**rpt.TaxRollFowardQuarterSummary\_Insert- 9**

When the app.Process status is 102, it clears and repopulates the Roll Forward summary values for that quarter in the DataWorkbench.rpt.TaxRollForwardQuarterSummary table. The app.Process table entry is then set to status 103. A new app.Process entry is created with status 110.

**rpt.TaxRegisterDetail\_Insert - 10**

The app.Process status is 110, it clears and repopulates the Register Detail values for that month in the DataWorkbench.rpt.TaxRegisterDetail table. The app.Process table entry is then set to status 114.

**rpt.TaxRegisterTBDetail\_Insert - 11**

When the app.Process status is 114, it clears and repopulates the Register Trial Balance Detail values for that month in the DataWorkbench.rpt.TaxRegisterTBDetail table. The app.Process table entry is then set to status 111.

**rpt.TaxRegisterMonthSummary\_Insert -12**

When the app.Process status is 111, it clears and repopulates the Register Summary values for that month in the DataWorkbench.rpt.TaxRegisterMonthSummary table. The app.Process table entry is then set to status 112.

**rpt.TaxRegisterTBMonthSummary\_Insert -13**

When the app.Process status is 112, it clears and repopulates the Register Trial Balance Detail values for that month in the DataWorkbench.rpt.TaxRegisterTBMonthSummary table. The app.Process table entry is then set to status 113. The Register portion of the process is complete.

**MAFixedAsset.TaxRollForwardDetailException\_Insert - 14**

When the app.Process status is 103, it clears and repopulates the Register Detail values for that month in the DataWorkbench.MAFixedAsset.TaxRegisterTBMonthSummary table. The app.Process table entry is then set to status 104.

**MAFixedAsset.TaxRollForwardManualDetailException\_Insert - 15**

When the app.Process status is 104, it clears and repopulates the Register Detail values for that month in the MAFixedAsset.TaxRollForwardManualDetailException table. The app.Process table entry is then set to status 105. If Tax Account Group data exists, a new app.Process entry is created with status 120. The Roll Forward portion of the process is complete.

**rpt.TaxAccountGroupMonthRollup\_Insert – 16**

When the app.Process status is 120, it clears and repopulates the Account Group Rollup values for that month in the DataWorkbench.MAFixedAsset.TaxAccountGroupMonthRollup table. The app.Process table entry is then set to status 121. If Tax Book Difference data exists, a new app.Process entry is created with status 150. The Tax Account Group portion of the process is complete.

**rpt.TaxRollForwardBookDifferenceMonthSummary\_Insert – 17**

When the app.Process status is 150, it clears and repopulates the Book Tax Difference values for that month in the DataWorkbench.rpt.TaxRollForwardBookDifferenceMonthSummary table. The app.Process table entry is then set to status 151. If Deloitte Depreciation data exists, a new app.Process entry is created with status 170.

**MAFixedAsset.TaxDeloitteDepreciation\_Insert – 18**

When the app.Process status is 160, it clears and repopulates the Deloitte Depreciation values for that month in the DataWorkbench.MAFixedAsset.TaxDeloitteDepreciation table. The app.Process table entry is then set to status 161.

**rpt.TaxApportionmentDetail\_Insert - 19**

When the app.Process status is 170, it clears and repopulates the Tax Apportionment Detail values for that month in the DataWorkbench.rpt.TaxApportionmentDetail table. The app.Process table entry is then set to status 171.

**rpt.TaxApportionmentSummary\_Insert - 20**

When the app.Process status is 171, it clears and repopulates the Register Detail values for that month in the DataWorkbench.rpt.TaxApportionmentSummary table. The app.Process table entry is then set to status 172.

**MAFixedAsset.TaxRollForwardDetailSearchable\_Insert - 21****Job Run Schedule Notes**

- job DataWorkbench\_FARollforward\_Insert runs every 5 minutes, or anytime one of the 3 main source files is uploaded.
- Data Lock, CRM Property Data, and Chart of Accounts are steps in the job that have no dependencies, and so could run independently.



**Key Table – Roll Forward Detail table – process / update summary steps –**

Each run clears and repopulates values for that month in the corresponding table.

Selection criteria used in Joins:

RF Detail Insert - selects Yardi GL detail transactions for given post month, with matching:

- Tax Register Accounts – which includes all Accounts flagged as Fixed Asset type.
- Property ID – translated through Yardi property / entity data because Yarti property ID can also be an entity name.
- Yardi Accounts table entry.

**Process Status Messages**

The table below lists the functions performed by stored procedures within the Data Workbench, and the Process Status History records they generate. These messages appear in the Process Status UI, with some of them referenced in the process checklist.

Process Name	Step No.	Total Steps	Status Name	Process Status UI Process Status text	Started by
Chart of Accounts	1	2	Chart Of Accounts Insert Running	Chart of Accounts 1 / 2 Chart Of Accounts Insert Running	
Chart of Accounts	2	2	Accounts Inserted into Chart of Accounts	Chart of Accounts 2 / 2 Accounts Inserted into Chart of Accounts	
Data Lock	1	2	Data Lock Insert Running	Data Lock 1 / 2 Data Lock Insert Running	
Data Lock	2	2	Data Lock Insert Complete	Data Lock 2 / 2 Data Lock Insert Complete	
Tax Basis	1	2	Tax Asset Type Map Import Running	Tax Basis 1 / 2 Tax Asset Type Map Import Running	
Tax Basis	1	2	Tax Asset Type Map Import Complete	Tax Basis 1 / 2 Tax Asset Type Map Import Complete	
Tax Revenue	1	7	Kick off Revenue Process	Tax Revenue 1 / 7 Kick off Revenue Process	
Tax Revenue	2	7	Chart Of Accounts Insert Complete	Tax Revenue 2 / 7 Chart Of Accounts Insert Complete	
Tax Revenue	3	7	Revenue Exception Insert Running	Tax Revenue 3 / 7 Revenue Exception Insert Running	
Tax Revenue	4	7	Tax Revenue Adjustment Import Running	Tax Revenue 4 / 7 Tax Revenue Adjustment Import Running	
Tax Revenue	5	7	Tax Revenue Adjustment Import Complete	Tax Revenue 5 / 7 Tax Revenue Adjustment Import Complete	
Tax Revenue	6	7	Tax Revenue Reconciliation Insert Running	Tax Revenue 6 / 7 Tax Revenue Reconciliation Insert Running	
Tax Revenue	7	7	Tax Revenue Reconciliation Insert Complete	Tax Revenue 7 / 7 Tax Revenue Reconciliation Insert Complete	
Tax TRS All Activity	1	4	Tax TRS Activity Import Running	Tax TRS All Activity 1 / 4 Tax TRS Activity Import Running	

Process Name	Step No.	Total Steps	Status Name	Process Status UI Process Status text	Started by
Tax TRS All Activity	2	4	Tax TRS Activity Import Complete	Tax TRS All Activity 2 / 4 Tax TRS Activity Import Complete	
Tax TRS All Activity	3	4	Tax TRS Activity Insert Running	Tax TRS All Activity 3 / 4 Tax TRS Activity Insert Running	
Tax TRS All Activity	4	4	Tax TRS Activity Insert Complete	Tax TRS All Activity 4 / 4 Tax TRS Activity Insert Complete	
Tax FA RollFoward	1	21	Tax Group Map Import Running	Tax FA RollFoward 1 / 21 Tax Group Map Import Running	
Tax FA RollFoward	1	21	Tax RollForward Manual Detail Import Running	Tax FA RollFoward 1 / 21 Tax RollForward Manual Detail Import Running	
Tax FA RollFoward	2	21	CRM Property Insert Running	Tax FA RollFoward 2 / 21 CRM Property Insert Running	
Tax FA RollFoward	3	21	CRM Property Insert Skipped	Tax FA RollFoward 3 / 21 CRM Property Insert Skipped	
Tax FA RollFoward	3	21	CRM Property Insert 3rd Complete	Tax FA RollFoward 3 / 21 CRM Property Insert 3rd Complete	
Tax FA RollFoward	3	21	CRM Property Insert 17th Complete	Tax FA RollFoward 3 / 21 CRM Property Insert 17th Complete	
Tax FA RollFoward	4	21	Kick off MAFixedAsset Account Insert	Tax FA RollFoward 4 / 21 Kick off MAFixedAsset Account Insert	
Tax FA RollFoward	5	21	MAFixedAsset Account Insert Running	Tax FA RollFoward 5 / 21 MAFixedAsset Account Insert Running	
Tax FA RollFoward	6	21	Kick Off FA Property Category	Tax FA RollFoward 6 / 21 Kick Off FA Property Category	
Tax FA RollFoward	7	21	FA Property Category Running	Tax FA RollFoward 7 / 21 FA Property Category Running	
Tax FA RollFoward	8	21	FA Property Category Complete	Tax FA RollFoward 8 / 21 FA Property Category Complete	
Tax FA RollFoward	9	21	Kick off Rollforward Insert	Tax FA RollFoward 9 / 21 Kick off Rollforward Insert	
Tax FA RollFoward	10	21	RollFoward Detail Running	Tax FA RollFoward 10 / 21 RollFoward Detail Running	
Tax FA RollFoward	11	21	RollFoward Detail Complete	Tax FA RollFoward 11 / 21 RollFoward Detail Complete	
Tax FA RollFoward	12	21	RollForward Month Summary Running	Tax FA RollFoward 12 / 21 RollForward Month Summary Running	
Tax FA RollFoward	13	21	RollForward Month Summary Complete	Tax FA RollFoward 13 / 21 RollForward Month Summary Complete	
Tax FA RollFoward	14	21	RollForward Quarter Summary Running	Tax FA RollFoward 14 / 21 RollForward Quarter Summary Running	

Process Name	Step No.	Total Steps	Status Name	Process Status UI Process Status text	Started by
Tax FA RollFoward	15	21	RollFoward Quarter Summary Complete	Tax FA RollFoward 15 / 21 RollFoward Quarter Summary Complete	
Tax FA Register	1	9	Kick off Register Insert	Tax FA Register 1 / 9 Kick off Register Insert	
Tax FA Register	2	9	Register Detail Running	Tax FA Register 2 / 9 Register Detail Running	
Tax FA Register	3	9	Register Detail Complete	Tax FA Register 3 / 9 Register Detail Complete	
Tax FA Register	4	9	Register TB Detail Running	Tax FA Register 4 / 9 Register TB Detail Running	
Tax FA Register	5	9	Register TB Detail Complete	Tax FA Register 5 / 9 Register TB Detail Complete	
Tax FA Register	6	9	Register Month Summary Running	Tax FA Register 6 / 9 Register Month Summary Running	
Tax FA Register	7	9	Register Month Summary Complete	Tax FA Register 7 / 9 Register Month Summary Complete	
Tax FA Register	8	9	Register TB Month Summary Running	Tax FA Register 8 / 9 Register TB Month Summary Running	
Tax FA Register	9	9	Register TB Month Summary Complete	Tax FA Register 9 / 9 Register TB Month Summary Complete	
Tax FA RollFoward	16	21	RollFoward Exceptions Running	Tax FA RollFoward 16 / 21 RollFoward Exceptions Running	
Tax FA RollFoward	17	21	RollFoward Exceptions Complete	Tax FA RollFoward 17 / 21 RollFoward Exceptions Complete	
Tax FA RollFoward	18	21	RollFoward Manual Exceptions Running	Tax FA RollFoward 18 / 21 RollFoward Manual Exceptions Running	
Tax FA RollFoward	19	21	RollFoward Manual Exceptions Complete	Tax FA RollFoward 19 / 21 RollFoward Manual Exceptions Complete	
Tax FA RollFoward	20	21	RollFoward Detail Searchable Table Running	Tax FA RollFoward 20 / 21 RollFoward Detail Searchable Table Running	
Tax FA RollFoward	21	21	RollFoward Detail Searchable Table Complete	Tax FA RollFoward 21 / 21 RollFoward Detail Searchable Table Complete	
Tax Account Group	1	3	Kick off Account Group Insert	Tax Account Group 1 / 3 Kick off Account Group Insert	
Tax Account Group	2	3	Tax Account Group Month Rollup Insert Running	Tax Account Group 2 / 3 Tax Account Group Month Rollup Insert Running	
Tax Account Group	3	3	Tax Account Group Month Rollup Insert Complete	Tax Account Group 3 / 3 Tax Account Group Month Rollup Insert Complete	
Tax Book Difference	1	4	Tax Book Difference Import Running	Tax Book Difference 1 / 4 Tax Book Difference Import Running	
Tax Book Difference	2	4	Tax Book Difference Import Complete	Tax Book Difference 2 / 4 Tax Book Difference Import Complete	
Tax Book Difference	3	4	Tax Book Difference Month Summary Insert Running	Tax Book Difference 3 / 4 Tax Book Difference Month Summary Insert Running	
Tax Book Difference	4	4	Tax Book Difference Month Summary Insert Complete	Tax Book Difference 4 / 4 Tax Book Difference Month Summary Insert Complete	
Tax Deloitte Depreciation	1	4	Tax Deloitte Depreciation Import Running	Tax Deloitte Depreciation 1 / 4 Tax Deloitte Depreciation Import Running	

Process Name	Step No.	Total Steps	Status Name	Process Status UI Process Status text	Started by
Tax Deloitte Depreciation	2	4	Tax Deloitte Depreciation Import Complete	Tax Deloitte Depreciation 2 / 4 Tax Deloitte Depreciation Import Complete	
Tax Deloitte Depreciation	3	4	Tax Deloitte Depreciation Insert Running	Tax Deloitte Depreciation 3 / 4 Tax Deloitte Depreciation Insert Running	
Tax Deloitte Depreciation	4	4	Tax Deloitte Depreciation Insert Complete	Tax Deloitte Depreciation 4 / 4 Tax Deloitte Depreciation Insert Complete	
Tax Apportionment	1	5	Kick off Apportionment Insert	Tax Apportionment 1 / 5 Kick off Apportionment Insert	
Tax Apportionment	2	5	Tax Apportionment Detail Insert Running	Tax Apportionment 2 / 5 Tax Apportionment Detail Insert Running	
Tax Apportionment	3	5	Tax Apportionment Detail Insert Complete	Tax Apportionment 3 / 5 Tax Apportionment Detail Insert Complete	
Tax Apportionment	4	5	Tax Apportionment Summary Insert Running	Tax Apportionment 4 / 5 Tax Apportionment Summary Insert Running	
Tax Apportionment	5	5	Tax Apportionment Summary Insert Complete	Tax Apportionment 5 / 5 Tax Apportionment Summary Insert Complete	

SQL scripts – Stored Procedures – Detailed Description of Functions

This table contains summaries of each of the 32 Stored Procedures currently in the system, written from analyses of the SQL code.

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
etl	<b>etl.TaxGroupMapImport_Complete.sql</b>	195	Talend	OpsFinancesStaging.Yardi.Property  And MA Fixed Asset.TaxGroupMap	MAFixedAsset.TaxGroupMap	<p><b>Generates notification that TaxGroupMap import process has completed</b></p> <ul style="list-style-type: none"> <li>• Parses Upload File ID from Upload File Name</li> <li>• Log process start;</li> <li>• Start RollForward process –</li> <li>• Remove existing Tax Group Map Entries for this month.</li> <li>• Insert new entries from the ETL Table for this month into</li> </ul> <p>MAFixedAsset.TaxGroupMap table. Fields:</p> <p>EntityId ,EntityCode ,EntityName ,PropertyList ,Portfolio ,TaxGroup ,Notes ,PostMonth ,StatusId</p> <ul style="list-style-type: none"> <li>• Populates Missing Entity ID Values – from: OpsFinancesStaging.Yardi.Property table.</li> <li>• Populates missing Tax Group IDs – from MA Fixed Asset.TaxGroupMap</li> <li>• Update Process history.</li> </ul>	
etl	<b>etl.TaxRollForwardManualDetailImport_Complete.sql</b>	175	Talend	Etl.TaxRollForwardManualDetail-datestamp	rpt.TaxRollForwardManualDetail	<p><b>Moves data from ETL to DW data base table; remove previous entries. Imports Tax Rollforward Manual Detail</b></p> <ul style="list-style-type: none"> <li>• Preparation - parses the Upload file ID from the Upload File Name; cleans up post month values in the ETL'd (Staged) table – converts text to Date field; adds a suffix = '01"</li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>• Section 1 – updates process history status ID – 99 Start Rollforward Process.</li> <li>• Section 2 - Moves ETL data to live tables:                             <ul style="list-style-type: none"> <li>○ Removes existing entries for current month.</li> <li>○ Inserts new entries from the ETL Table for this month into rpt.TaxRollForwardManualDetail. Fields:                                     <ul style="list-style-type: none"> <li>,[Property]</li> <li>,[Account]</li> <li>,[CostCenter]</li> <li>,[DueToFrom]</li> <li>,[OrgSource]</li> <li>,[ImSource]</li> <li>,[CapEx]</li> <li>,[PostDate]</li> <li>,[Debit]</li> <li>,[Credit]</li> <li>,[Net]</li> <li>,[PostMonth]</li> <li>,[Control]</li> <li>,[Refer]</li> <li>,[Refer2]</li> <li>,[Description]</li> <li>,[Remarks]</li> <li>,[Created]</li> <li>,[CreatedBy]</li> <li>,[StatusId]</li> <li>,[ImportDate]</li> </ul> </li> </ul> </li> <li>• Section 3 - Updates Process history; status 100 – insert process complete</li> </ul>	
etl	<b>etl.TaxTRS ActivityImport_Complete.sql</b>	117	Talend	NA	NA	<p>Creates notification that TaxTRSActivity has completed.</p> <p>Prep –</p> <ul style="list-style-type: none"> <li>○ Parses File ID from Upload File Name; converts data fields</li> <li>○ Cleans up post month values in the ETL'd (Staged) table – converts text to Date yield; adds a suffix = '01-01"</li> </ul> <ul style="list-style-type: none"> <li>• Section 1 - Update Process History statusID = 139 – process started</li> <li>• Section 2- does not do anything; blank – this work appears to be done by MAFixedAsset.TaxTRSActivity_Insert. a separate SP</li> </ul>	Appears to be redundant to the insert process. To MAFixedAsset.TaxTRSActivity_Insert

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>Section 3 – updates process history, statusID = 140 – process complete</li> </ul>	
etl	<b>etl.TaxBookDifferenceImport_Complete.sql</b>	145	Talend	Etl.TaxBookDifference	Updates existing rpt.TaxBookDifference Or generates new file if not present	<p><b>Moves Tax Book Difference data from etl.TaxBookDifference to rpt.TaxBookDifference tables.</b></p> <p>Preparation -</p> <ul style="list-style-type: none"> <li>○ Parses Upload File ID from Upload file name</li> <li>○ Selects TaxBook difference entries where PostMonth is not null and not in TBD.</li> <li>• Section 1 – Update process history; statusID = 149 – insert started</li> <li>• Section 2 -</li> <li>○ Remove existing rpt.TaxBookDifference entries for current / this post Month.</li> <li>○ Inserts new records into rptTaxBookDifference. Fields:</li> </ul> <pre>PropertyId ,EntityId ,EntityCode ,Account ,Description ,PlacedInServiceDate ,Amount ,State ,PostMonth ,PostYear ,ImportDate</pre> <ul style="list-style-type: none"> <li>• Section 3 - Update Process History – status ID = 150 insert complete</li> </ul>	
etl	<b>etl.TaxDeloitteDepreciationImport_Complete.sql</b>	100	Talend	NA	NA	<p><b>Generates notification that the Tax Deloitte Depreciation Import process has completed.</b></p> <ul style="list-style-type: none"> <li>• Preparation –</li> <li>○ Parses Upload File ID from Upload File Name.</li> <li>○ Converts dates</li> <li>• Note: Post month irrelevant as this import requires user selection later via the UI.</li> </ul>	<p>Related to another SP which does the inserts:</p> <p>MAFixedAsset.TaxDeloitteDepreciation_Insert</p>

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>Section 1 - Updates Process history – statusID = 159</li> <li>Section 2 – blank; no update</li> <li>Section 3 – Updates Process history – statusID = 169</li> </ul>	
etl	<b>etl.TaxRevenueAdjustmentImport_Complete.sql</b>	195	Talend	etl.TaxRevenueAdjustment	MARvenue.TaxRevenueAdjustment	<p><b>Moves data from etl file to DW’s data base table. Generates notification of completion.</b></p> <ul style="list-style-type: none"> <li>Preparation -                             <ul style="list-style-type: none"> <li>Parses Upload File ID from Upload File Name.</li> <li>Converts dates to data format; adds a suffix = ‘01’</li> </ul> </li> <li>Section 1 – updates process history – statusID = 219 – insert running</li> <li>Section 2 – Inserts necessary prerequisite values                             <ul style="list-style-type: none"> <li>Determines current TaxPeriod month</li> <li>Removes existing entries for this month</li> </ul> </li> <li>Section 3 – Inserts ETL entries                             <ul style="list-style-type: none"> <li>Inserts MARvenue.TaxRevenueAdjustment table from etlTaxRevenueAdjustment. Fields:                                     <pre>TaxPeriodId ,TaxGroupId ,Account ,AccountDescription ,Segment3 ,Debit ,Credit ,Net ,PostMonth ,ReferenceValue ,Notes ,PropertyId ,PropertyState ,StatusId ,CreateDate</pre> </li> </ul> </li> <li>Section 4 - Updates process history; status ID = 220 Insert complete</li> </ul>	



Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
MA	MAFixedAsset.CrmProperty_Insert			OpsFinanceStaging.stage.d365isi_property	MAFixedAsset.CRMProperty	<p><b>Captures CRM Property table data, selected fields only,</b> from data warehouse copy of production CRM Property table.</p> <p>Run logic</p> <p>Selects the 3<sup>rd</sup> of the each month for the capture; alternate can be the 17<sup>th</sup> if selected by business. Fields inserted:</p> <pre>                     CrmPropertyId]                 ,[CaptureDate]                 ,[PropId]                 ,[Entity]                 ,[DateAcquired]                 ,[InServiceDate]                 ,[AcquiredFrom]                 ,[UnitStatus]                 ,[CreateDate]             </pre>	
MA	MAFixedAsset.TaxRollForwardDetailException_Insert.sql	230		rpt.TaxRollForwardDetail,	MAFixedAsset.TaxRollForwardDetailException	<p><b>Inserts Quarterly Tax Roll Forward Detail Exceptions.</b></p> <ul style="list-style-type: none"> <li>• Prep – identifies Post Month</li> <li>• Section 1 - Updates status iD to 1031 – insert running.</li> <li>• Section 2 – Inserts data                             <ul style="list-style-type: none"> <li>○ Gets list of exceptions to exclude because already deal with.</li> <li>○ Inserts this list into @Exceptions table,</li> <li>○ Inserts into MAFixedAsset.TaxRollForwardDetailsException from rpt.TaxRollForwardDetail, Fields:</li> </ul> </li> </ul> <pre>                     TaxRollForwardDetailId                 ,TransactionNumber                 ,OriginalPropertyId                 ,PropertyId                 ,PropertyState                 ,Account                 ,AccountDescription                 ,Amount                 ,PostMonth                 ,PostDate                 ,Segment3                 ,Segment4                 ,ReferenceValue                 ,ManualReferenceValue                 ,AccountingBook             </pre>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>,Notes ,EntityCode ,TaxGroup ,StatusId ,Reason ,CreateDate</p> <ul style="list-style-type: none"> <li>o Updates existing exceptions with any new details into TaxRollforward from rpt.TaxFoILForwardDetail – fields updated:</li> </ul> <p>Account Description Segment3 Segment4 ReferenceValue ManualReferenceValue Notes EntityCode TaxGroup</p> <p>Section 3 - Update process history – process ID = 104.</p>	
MA	<b>MAFixedAsset.TaxRollForwardManualDetailException_Insert.sql</b>	175		rpt.TaxRollForwardDetail	TaxRollForwardManualDetailException	<p><b>Populates the TaxRollForwardManualDetailException table</b></p> <p>From rpt.TaxRollForwardDetail table (“rfd”)</p> <ul style="list-style-type: none"> <li>• Section 1 – Update processing history statusID = 104 (insert running)</li> <li>• Section 2 - Inserts data into TaxRollForwardManualDetailException from rpt.TaxRollForwardDetail – Fields</li> </ul> <p>,[CostCenter] ,[DueToFrom] ,[OrgSource] ,[ImSource] ,[CapEx] ,[Debit] ,[Credit] ,[Net] ,[Refer] [Description] ,[Remarks] ,[Created] ,[CreatedBy] ,[Source]</p> <ul style="list-style-type: none"> <li>• Section 3 –</li> <li>o Updates Process history – Status ID = 105 - insert complete.</li> </ul>	<p>Tax Roll Forward Manual Detail Exceptions – confirm values</p> <p>Assume REF2 – ManualReferenceValue. Acceptable values are: 'ACQ', 'DEP', 'RNV', 'HLD', 'SLD', 'RSC', 'WRT', 'DIS', 'RCLS')</p>

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>○ Checks for Tax Account Group entries for the tax period.                             <ul style="list-style-type: none"> <li>● If none, ends here</li> <li>● If there are, updates process history; status = 120, Insert complete, route to Account Group Process.</li> </ul> </li> </ul>	
MA	<b>MAFixedAsset.TaxRollForwardPropertyCategory_Insert.sql</b>	275		MAFixedAsset.crm.Property  MAFixedAsset.TaxTRSActivity	MAFixedAsset.TaxRollForwardPropertyCategory	<p><b>Populates the TaxRollForwardPropertyCategory table</b> From CRM data. Kicks off the CRM update unless its locked.</p> <ul style="list-style-type: none"> <li>○ Processing is ready                             <ul style="list-style-type: none"> <li>● In FAMonthCloseInd = 1</li> </ul> </li> <li>○ Valid tax period exists                             <ul style="list-style-type: none"> <li>● In MAFixedAsset.TaxPeriod</li> </ul> </li> <li>○ Data not locked for this month.                             <ul style="list-style-type: none"> <li>● in MAFixedAsset/DataLock</li> </ul> </li> <li>● Check if CRM data is not locked; clear out &amp; get latest from OFS</li> <li>○ From OpsFinanceStaging.crm.properties</li> </ul> <p>UnitStatus</p> <ul style="list-style-type: none"> <li>● Insert Property Category Data</li> <li>○ From MA Fixed Asset.CRMProperty</li> <li>○ Into MAFixedAsset.TaxRollForwardPropertyCategory</li> <li>○ Fields updated:</li> </ul> <p>PropertyId] .[Owner] .[PurchaseDate] .[CRMInServiceDate] .[PriorYearInServiceDate] .[InServiceDateMatch] .[PurchasePlacedInService] .[InPriorYearRollForwardSchedule] .[AcquiredFrom] .[UnitStatus] .[PropertyState] .[TransferredToTRSDate] .[TransferredFromTRSDate] .[TaxRollForwardCategoryId] .[StatusId]</p>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						,[Notes] ,[YearDate] <ul style="list-style-type: none"> <li>○ Also pulls data or filters from other tables via joins: including:                             <ul style="list-style-type: none"> <li>• TaxTRSActivity</li> <li>• MAFixedAsset.TaxRollForwardPropertyCategory</li> </ul> </li> <li>• Update process history – status = 100 (Complete, kick off reprocessing).</li> </ul>	
MA	<b>MAFixedAsset.TaxRollForwardPropertyCategory_Update.sql</b>	120		UI	MAFixedAsset.TaxRollForwardPropertyCategory	<p><b>Updates the MAFixedAsset.TaxRollForwardPropertyCategory table</b></p> <p>Fields passed as variables from UI, then inserted into</p> <p>Fields updated:</p> TaxRollForwardPropertyCategoryID TaxRollForwardCategory Status TaxAccountGroupID Notes UserID PurchaseePlacedInService Update Status history – stratus ID 103	Confirm data source is UI
MA	<b>MAFixedAsset.TaxTRSActivity_Insert.sql</b>	125		etl.TaxTRSActivity	MAFixedAsset.TaxTRSActivity	<p><b>Populates the TaxTRSActivity table.</b></p> <ul style="list-style-type: none"> <li>• Updates process history; status 1401 – running</li> <li>• Inserts into MAFixedAsset.TaxTRSActivity – fields:</li> </ul> [PropertyId] ,[OwnerPerCRM] ,[Address] ,[City] ,[State] ,[UnitStatus] ,[ContributorPerAgreement] ,[DwellingType] ,[PurchaseDate] ,[TransferredDate] ,[InitialAgreementType] ,[TransferredToLPDate] ,[SecondaryAgreementType]	Separate SP generates a notification of completion.  etl.TaxTRSActivityImport_Complete.sql  Why 2 SPs?  What is the “kick off of reprocessing?

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						,[SaleDate] ,[TaxPeriodId] ,[ImportDate] <ul style="list-style-type: none"> <li>From etl.TaxTRSActivity</li> <li>Adds entries for any properties missing from the list for the current year.</li> <li>Updates process history – status = 100 (<b>complete kick off reprocessing</b>) -</li> </ul>	
MA	<b>MAFixedAsset.TaxDeloitteDepreciation_Insert.sql</b>	160		etl.TaxDeloitteDepreciation	MAFixedAsset.TaxDeloitteDepreciation table  And MAFixedAsset.TaxDeloitteDepreciationTaxPeriod	<b>Inserts data into the Tax Deloitte Depreciation data into the reporting table from the ETL table</b> <ul style="list-style-type: none"> <li>Section 1 – Updates process history with status = 1601 (set running)</li> <li>Section 2 –                             <ul style="list-style-type: none"> <li>Inserts into MAFixedAsset.TaxDeloitteDepreciation table. – fields:                                      [Schedule]                                      ,[PropertyId]                                      ,[OriginalBookSystemID]                                      ,[OriginalTaxSystemID]                                      ,[AssetID]                                      ,[LocationState]                                      ,[AssetGroup]                                      ,[AssetType]                                      ,[AssetStatus]                                      ,[DescriptionPerDepreciationSchedule]                                      ,[Description]                                      ,[AcquisitionDate]                                      ,[YearInService]                                      ,[PISMonth]                                      ,[FederalTaxFactPatternLife]                                      ,[FederalTaxFactPatternMethod]                                      ,[FederalTaxFactPatternConvention]                                      ,[FederalTaxCostBeginningBalance]                                      ,[FederalTaxCostAdditions]                                      ,[FederalTaxCostDisposals]                                      ,[FederalTaxCostTransfersOut]                                      ,[FederalTaxCostEndingBalance]                                      ,[FederalTaxDeprInPeriod]                                      ,[FederalTaxDeprNetBookValue]                                      ,[TotalCost]                                      ,[DepreciableBasis]                                      ,[TransfersOut]                                      ,[Jurisdiction]                                 </li> </ul> </li> </ul>	Separate SP generates notification of completion  Related insert:  etl.TaxDeloitteDepreciationImport_Complete.sql

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>,[TRSTransferDate]                      ,[FileName]                      [ImportDate]</p> <ul style="list-style-type: none"> <li>○ Inserts into MAFixedAsset&gt;TaxDeloitteDepreciationTaxPeriod From etl.TaxDeloitteDepreciation. Fields</li> </ul> <p>TaxPeriodId                      ,UploadFileName                      ,IsFinalVersion                      ,StatusId</p> <ul style="list-style-type: none"> <li>• Updates process history with Status ID = 161 – Process completed</li> </ul>	
MA	<b>MARevenue.ChartOfAccounts_Update.sql</b>	150		UI	MARevenue.ChartOfAccounts	<p><b>Pull Chart of Accounts UI</b></p> <p>Works with Chart of Accounts UI to update individual rows in the CoA table:</p> <p>Links to Lookup Tables using FKs:                      BalanceTypeName                      AccountTypeName                      ReportTypeName</p> <ul style="list-style-type: none"> <li>• Inserts Global Log stub</li> <li>• Updates Item (active record in UI) using @ChartofAccountsID (from UI)</li> <li>○ FixedAssetInd</li> <li>○ DepreciationInd</li> <li>○ RevenueInd</li> <li>○ BookTaxDifferentInd</li> <li>• Update Global Log entry with new row ID that was updated.</li> <li>• Kicks off report process is it is not already active.</li> <li>○ For tax period.</li> <li>○ Post Month</li> <li>• Updates Process history status – 210.</li> </ul>	<p>Confirm understanding of interactivity with UI. It appears that this SP is called by the UI to do the data updates, one record at a time, and / or call the report generation.</p> <p>Confirm – report: does it use PostMonth? – ie., the CoA in effect for the posting month’s data?                      That we are freezing?</p>

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
MA	<b>MARevenue.ChartOfAccounts_Insert.sql</b>	160				Inserts the Quarterly Tax RollForward Detail Exceptions. <ul style="list-style-type: none"> <li>• Updates Process history status ID = 205 (insert complete)</li> <li>• Get necessary prerequisite values:                             <ul style="list-style-type: none"> <li>○ Month end date</li> <li>○ Date stamp</li> <li>○ Tax Period</li> </ul> </li> <li>• Inserts data into MARevenue.ChartOfAccounts: - fields:                              TaxPeriodId                              ,AccountNumber                              ,AccountDescription                              ,NormalBalanceTypeld                              ,AccountTypeld                              ,ReportTypeld                              ,FixedAssetInd                              ,DepreciationInd                              ,RevenueInd                              ,BookTaxDifferenceInd                              StatusId                              From OpsFinanceStaging.Yardi.Acct table                             <ul style="list-style-type: none"> <li>• Updates Process history Status = 210</li> </ul> </li> </ul>	Continue work here
MA	<b>MARevenue.RevenueException_Insert.sql</b>	250		OpsFinanceStaging.Yardi.GLDetail	MARevenue.RevenueExceptions	<b>Inserts Revenue Exceptions</b> <ul style="list-style-type: none"> <li>• Get necessary prerequisite values:                              Tax Period                              Status ID                              Notes                              CreateDate                             <ul style="list-style-type: none"> <li>• Log Process – Update Process History Status ID = 215</li> <li>• Deletes all detail entries for the given month in MARevenue.RevenueExceptions.</li> <li>• Inserts (new) Detail Entries into MARevenue.RevenueExceptions. fields:                                      TaxPeriodId                                      ,TaxGroupld                                      ,TransactionNumber                                      ,Account                                      ,AccountDescription                                      ,Segment1                                 </li> </ul> </li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
				MARevenue.TaxGroup MARevenue.ChartOfAccounts OpsFinanceStaging.stage.property		,Segment2 ,Segment3 ,Segment4 ,TransactionDate ,Net ,PostMonth ,EntityCode ,ReferenceValue ,TransactionDescription ,Notes ,PropertyId ,PropertyState ,StatusId ,CreateDate  <ul style="list-style-type: none"> <li>From OpsFinanceStaging.Yardi.GLDetail with data via joins from:                          Yardi.property                          Yardi.acct                          MAFixedAsset.TaxGroupMap                          MARevenue.TaxGroup                          MARevenue.ChartOfAccounts                          OpsFinanceStaging.stage.property</li> <li>Updates Property ID Values in Detail Entries – see questions about joins &amp; update process</li> <li>Update Property ID value, copy previous values:</li> <li>Update Debit and Credit Values in MA Revenue.RevenueExceptions</li> <li>Updates Process History Status = 220</li> </ul>	
MA	<b>MAFixedAsset.TaxRollForwardDetailSearchable_Insert.sql</b>	500				<p><b>Inserts the fast lookup version</b></p> <ul style="list-style-type: none"> <li>Updates process history status ID = 10051</li> <li>Sec 2 - Inserts Missing Entries in TaxRollForwardAccount – fields:                          Account                          Account Description                          From rpt.TaxRollForwardDetail table</li> <li>Sec 3 – Inserts (<b>original property</b>) missing entries into MAFixedAsset.TaxRollForwardProperty – fields:</li> </ul>	



Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>Property ID Property State</p> <p>From rpt.TaxRollForwardDetail table original property fields</p> <ul style="list-style-type: none"> <li>• Sec 3 Continued - inserts current Property into MAFixedAsset.TaxRollForwardProperty Fields:</li> </ul> <p>Property ID Property State</p> <p>From: rpt.TaxRollForwardDetail</p> <ul style="list-style-type: none"> <li>• Sec 4 – Inserts Missing Entities into TaxRollForwardEntity table field:</li> </ul> <p>Entity Code</p> <p>From: rpt.TaxRollForwardDetail</p> <ul style="list-style-type: none"> <li>• Sec 5 – Inserts Missing Entries (Segment field) into MAFixedAsset.TaxRollForwardSegment Field:</li> </ul> <p>Segment Segment 4</p> <p>From rpt.TaxRollForwardDetail</p> <ul style="list-style-type: none"> <li>• Inserts missing Entries – Reference Value – into MAFixedAsset.TaxRollForwardReference – Field:</li> </ul> <p>Manual Reference</p> <p>From rpt.TaxRollForwardDetail</p> <ul style="list-style-type: none"> <li>• Sec 7 – Inserts Missing Entries (all days for this month) into TaxRollForwardDate table: Fields:</li> </ul> <p>RollForwardDate RollForwardDateTime</p> <p>(first selects rows with missing dates, then adds the dates to these records)</p> <ul style="list-style-type: none"> <li>• Sec 8 Inserts Month entries into MAFixedAsset.TaxRollForwardDetailSearchable table: fields:</li> </ul> <p>TaxRollForwardPropertyId ,TaxRollForwardAccountId ,PostMonthDateId</p>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>,PostDateDateId                      ,Segment3Id                      ,Segment4Id                      ,ReferenceValueId                      ,ManualReferenceValueId                      ,AccountingBook                      ,TaxRollForwardEntityId                      ,TaxGroupId                      ,OriginalTaxCategoryId                      ,OverrideTaxCategoryId                      ,TaxRollForwardDetailId</p> <p>Updates these via joins to generate the field values.</p> <ul style="list-style-type: none"> <li>• Sec 9 – Inserts Month Entries into TaxRollForwardDetailOverrideFlatUI table. Fields;</li> </ul> <p>[TaxRollForwardDetailId]                      ,[TaxRollForwardDetailOverrideId]                      ,[TransactionNumber]                      ,[OriginalPropertyId]                      ,[PropertyId]                      ,[Account]                      ,[AccountDescription]                      ,[Amount]                      ,[PostMonth]                      ,[PostDate]                      ,[ReferenceValue]                      ,[ManualReferenceValue]                      ,[OverrideValue]                      ,[Notes]                      ,[AccountingBook]                      ,[OriginalTaxCategoryName]                      ,[OriginalTaxCategoryId]                      ,[OverrideTaxCategoryName]                      ,[OverrideTaxCategoryId]                      ,[StatusId]                      ,[TaxGroup]</p> <p>From rpt.TaxRollForwardDetail</p> <ul style="list-style-type: none"> <li>• Update process history status ID = 106</li> </ul>	
rpt	rpt.TaxRegisterDetail_Insert.sql	130		OpsFinanceStaging.yardi.glDetail	rpt.TaxRegisterDetail	<p><b>Inserts Tax Register detail for reporting</b></p> <ul style="list-style-type: none"> <li>• Updates process history status ID = 110 – process started</li> <li>• Section 1 – update process ID status ID – 1101</li> <li>○ Deletes Monthdate values before insertion.</li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>○ Insert Data into rpt.TaxRegisterDetail – fields:                             <ul style="list-style-type: none"> <li>EntityId</li> <li>,PropertyId</li> <li>,Account</li> <li>,Amount</li> <li>,MonthDate</li> <li>,TaxGroup</li> </ul> </li> <li>From OpsFinanceStaging.yardi.glDetail</li> </ul> <p>Data obtained via joins from:</p> <p>Yardi.Acct TaxRegisterAccount Yardi.Property TaxGroupMap</p> <ul style="list-style-type: none"> <li>• Update Process history – status ID = 114</li> </ul>	
rpt	<b>rpt.TaxRollForwardDetail_Insert.sql</b>	530		OpsFinStaging.Yardi.glDetail	MAFixedAsset.TaxPeriod.  And  MAFixedAsset.TaxRegisterAccount  and rpt.TaxRollForwardDetail	<p><b>Inserts the Monthly Tax RollForward Details</b></p> <ul style="list-style-type: none"> <li>• Section 1 - Updates Process history – status ID = 1001 – insert running</li> <li>• Section 2 – Inserts Necessary Prerequisite Values into MAFixedAsset.TaxPeriod, by executing proc MAFixedAsset.Tax.Period_Insert - Fields:                             <ul style="list-style-type: none"> <li>TaxPeriodName</li> <li>,StartDate</li> <li>,EndDate</li> <li>,TaxGroup - blank</li> <li>,SortOrder</li> <li>,StatusId</li> <li>,Notes</li> </ul> </li> </ul> <p><del>Section 2 – (Cont) Inserts into MAFixedAsset.TaxAccountGroup - Fields:</del></p> <ul style="list-style-type: none"> <li>TaxAccountGroupName</li> <li>,StatusId</li> <li>,Notes</li> <li>,SortOrder</li> <li>,TaxPeriodId</li> </ul>	<p>Where to @postMonth and @ProcessID come from?</p> <p>What is @TaxPeriodId – 1?</p> <p>Where are the @ variables’s values coming from?</p> <p>Not sure where the values are coming from – looks like they are generated within the query, then used to update the selected data – 1 – define the data for the fields</p>

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>• Section 3 – soft delete all detail entries for the given month. #TBRollup</li> <li>• Section 4 – Current Month TB rollup detail – this process captures TXs from <b>Yardi.gldetail</b> and writes them to a temporary table - #TBRollup. Selects:                             <ul style="list-style-type: none"> <li>○ Rollup Transactions –</li> <li>○ Rollup Manual Entries</li> <li>○ Rollup Reversals (prior to 7/2017)</li> </ul> </li> <li>• Sec 4 (cont) – inserts all detail entries for the given month into MAFixedAsset.TaxRegisterAccount – Fields:                             <ul style="list-style-type: none"> <li>AccountNumber</li> <li>,AccountDescription</li> <li>,MonthDate</li> <li>,SortOrder</li> <li>,StatusId</li> <li>,TaxAccountGroupId</li> <li>,Notes</li> </ul> </li> <li>• Sec 5 0 Insert Detail Entries into rpt.TaxRollForwardDetail – fields:                             <ul style="list-style-type: none"> <li>TransactionNumber</li> <li>,OriginalPropertyId</li> <li>,PropertyId</li> <li>,PropertyState</li> <li>,Account</li> <li>,AccountDescription</li> <li>,Amount</li> <li>,PostMonth</li> <li>,PostDate</li> <li>,Segment3</li> <li>,Segment4</li> <li>,ReferenceValue</li> <li>,Notes</li> <li>,AccountingBook</li> <li>,EntityCode</li> <li>,TaxGroup</li> <li>,StatusId</li> <li>,CreateDate</li> <li>,hMy</li> </ul> </li> </ul> <p>From: OpsFinanceStaging.yardi.gldetail Additional data via Joins from: Yardi.Property</p>	<p>2 – select the records from the table that are to be updated. 3 – update the selected records with the defined data values.</p> <p>Segment 4 – used in the #TBRollup temp table process, but don't know what it contains.</p> <p>Segment 3 – is property ID</p>

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>Yardi.acct TaxGroup_Map TaxRegisterAccount Property</p> <p>Second Selection – joined tables: Yardi.property Yardi.acct Property Yardi.fund_trans taxGroupMap</p> <p>Both queries merged via a UNION ALL statement.</p> <ul style="list-style-type: none"> <li>○ Remove duplicate transaction entries – matching on: <ul style="list-style-type: none"> <li>Property ID</li> <li>Account</li> <li>Zransaction Number</li> <li>PostMonth</li> <li>Status ID – 5</li> </ul> </li> <li>○ #TBRollup table is then dropped.</li> <li>○ Restore previous transaction entries to normal status – <ul style="list-style-type: none"> <li>• Status ID changed from 2 to 5 in TaxRollForwardDetail.</li> <li>• Section 6 – remove reversals of Rollup Transactions</li> </ul> </li> </ul> <p>Delete from rpt.TaxRollForwardDetail where</p> <p>PostMonth = current month Reference Value is like "Reversal of %" AccountingBook = 2 StatusID &lt;&gt; 5</p> <ul style="list-style-type: none"> <li>• Section 7 – Update Property ID Values in Detail Entries in TaxRollForwardDetail</li> <li>○ 4 different update sub-queries, each with different selection criteria. Differences: <ul style="list-style-type: none"> <li>• ProplertyCode = Segment3</li> <li>• PropertyCode = Segment 5</li> <li>• PropertyID like 4%</li> <li>• PropertyID is null</li> </ul> </li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>• Other selection criteria appear to be the same</li> <li>• Section 8 – update manual reference values from Manual REIT RollForward                             <ul style="list-style-type: none"> <li>○ Exclude Transfers – ManualReferenceValue From rpt.TaxRollForwardDetail Where ReferenceValue &lt;&gt; XFR</li> <li>○ Transfers Only – ManualReferenceValue From rpt.TaxRollForwardDetail Where ReferenceValue = XFR And ReferenceValue IS NOT NULL</li> </ul> </li> </ul> <p>Update process history table status ID = 101 – Insert Complete</p>	
rpt	<b>rpt.TaxRollForwardMonthSummary_Insert.sql</b>	600		Joins to Yardi.accountMAFixedAssetTaxGroupMapMAFixedAssetTaxRegisterAccount And Yardi.totalYardi.total Joins to: Yardi.property	rpt.TaxRollForwardMonthSummary	<p><b>Inserts Data into the Tax Rollforward Month Summary</b></p> <ul style="list-style-type: none"> <li>• Updates Process history status ID = 1011 – Insert running</li> <li>• <b>Section 2: Define Necessary Prerequisite Values –Variables</b></li> <li>• <b>Section 3 – Delete All Detail Entries for the Given Month</b></li> <li>• <b>Section 4 – Insert Initial Current Month Entries –</b> <ul style="list-style-type: none"> <li>○ Create Table #CurrentMonth - fields:                              PostMonth                              ,TaxGroup                              ,AccountId                              ,Amount                              ,BeginningBalance                              ,Acquisitions                              ,RenovationCapEx                              ,HoldingCosts                              ,Disposals                              ,Recinded                              ,Writedowns                              ,WritedownsDis                              ,TransferReclass                              ,ConstructionInProgress                              ,Unclassified</li> <li>○ Insert into #CurrentMonth – fields:                              PostMonth                              ,TaxGroup</li> </ul> </li> </ul>	<p>Data used by GAAP for Tax Structure Roll Forward report. (SQL name: rpt.TaxRollForwardRangeSummary_Report_Select) in UAT only.</p> <p>This is where the columns appearing on the final report are populated Renovation Costs, etc.</p> <p>Uses temp tables to assemble the data, then summarize it, then insert into</p>

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
				Yardi.account MXFixedAssetTaxGroupMap		<p>,AccountId ,Amount</p> <ul style="list-style-type: none"> <li>○ From OpsFinanceStaging.yardi.gldetail, with added data via joins from:                             <ul style="list-style-type: none"> <li>○ Yardi.acct</li> <li>○ MAFixedAsset.TaxGroupMap</li> <li>○ MAFixedAsset.TaxRegisterAccount</li> </ul> </li> <li>● <b>Section 5 – Beginning Balance –</b></li> <li>○ <b>Create table #BB</b> – Fields:                             <ul style="list-style-type: none"> <li>MonthDate</li> <li>TaxGroup</li> <li>AccountID</li> <li>Beginning Balance</li> </ul> </li> <li>○ <b>Insert into #BB</b> – these fields, from;                             <ul style="list-style-type: none"> <li>OpsFinanceStaging.yardi.total with added data via joins from:                                     <ul style="list-style-type: none"> <li>● Yardi.property</li> <li>● Yardi.account</li> <li>● MAFixedAsset.TaxGroupMap</li> </ul> </li> </ul> </li> <li>○ Apply Beginning balance to current month – updates #cm                             <ul style="list-style-type: none"> <li>● Joins #BB to obtain BB fields                                     <ul style="list-style-type: none"> <li>AccountID</li> <li>MonthDate</li> <li>TaxGroup</li> </ul> </li> </ul> </li> <li>○ Insert into #CurrentMonth – add missing values from current month for accounts carrying a balance from last month. Fields:                             <ul style="list-style-type: none"> <li>PostMonth</li> <li>,TaxGroup</li> <li>,AccountId</li> <li>,BeginningBalance</li> <li>,Amount</li> </ul>                             From OpsFinanceStaging.yardi.gldetail with added data via joins from:                             <ul style="list-style-type: none"> <li>● Yardi.property</li> <li>● Yardi.acct</li> </ul> </li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>• MAFixedAsset.TaxGroupMap</li> <li>• MAFixedAsset.TaxregisterAccount</li> </ul> <ul style="list-style-type: none"> <li>○ Drop #BB table</li> </ul> <p><b>Section 6 – Calculate Classification Breakdown Values</b></p> <ul style="list-style-type: none"> <li>○ Update CM2 – Current Month table: Fields:                             <ul style="list-style-type: none"> <li>Acquisitions</li> <li>,RenovationCapEx</li> <li>,HoldingCosts</li> <li>,Disposals</li> <li>,Recinded</li> <li>,Writedowns</li> <li>,WritedownsDis</li> <li>,TransferReclass</li> <li>,ConstructionInProgress</li> <li>,Unclassified</li> </ul> </li> </ul> <p>Select statement uses content of Manual Reference Value field to generate totals for all of these fields. Additional data obtained via joins from:</p> <p>OpsFinancStaging.yardi.acct Rpt.TaxRollForwardDetail</p> <p>Grouped by</p> <ul style="list-style-type: none"> <li>Account ID</li> <li>Post Month</li> <li>Tax Group</li> </ul> <ul style="list-style-type: none"> <li>• <b>Section 7 – Current Month TB (Trial Balance) Rollup</b></li> </ul> <ul style="list-style-type: none"> <li>○ Create table #TBRollup – Fields;                             <ul style="list-style-type: none"> <li>sSegment4</li> <li>g.hacct</li> <li>tgms.TaxGroup</li> <li>Sum of (G.damount)</li> </ul> </li> <li>○ Insert Current Month TB Rollup Detail - Into #TBRollup – above fields, plus data via joins from:                             <ul style="list-style-type: none"> <li>OpsFinanceStaging.yardi.gldetail</li> <li>OpsFinanceStaging.yardi.property</li> <li>OpsFinancStaging.yardi.acct</li> <li>MAFixedAsset.TaxGroupMap</li> </ul> </li> </ul>	



Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>MAFixedAsset.TaxRegisterAccount</p> <p>Where g.sref = “Rollup JE”</p> <ul style="list-style-type: none"> <li>○ Rollup Manual Entries – into #TBRollup – populates these fields:                             <ul style="list-style-type: none"> <li>sSegment4</li> <li>g.hacct</li> <li>tgms.TaxGroup</li> <li>Sum of (G.damount)</li> </ul> </li> </ul> <p>Plus data via joins from:</p> <p>OpsFinanceStaging.yardi.gldetail                              OpsFinanceStaging.yardi.property                              OpsFinancStaging.yardi.acct                              MAFixedAsset.TaxGroupMap                              MAFixedAsset.TaxRegisterAccount</p> <p>Where g.sref = “Rollup JEM”</p> <ul style="list-style-type: none"> <li>○ Insert Rollup Reversals (only valid for months previous to July 2017).</li> <li>○ – into #TBRollup – populates these fields:                             <ul style="list-style-type: none"> <li>sSegment4</li> <li>g.hacct</li> <li>tgms.TaxGroup</li> <li>Sum of (G.damount)</li> </ul> </li> </ul> <p>From OpsFinanceStaging.yardi.gldetail, plus data via joins from:</p> <p>OpsFinanceStaging.yardi.property                              OpsFinancStaging.yardi.acct                              MAFixedAsset.TaxGroupMap                              MAFixedAsset.TaxRegisterAccount</p> <p>Where g.sref is like: “Reversal of%”</p> <p>Grouped by</p> <ul style="list-style-type: none"> <li>Account ID</li> <li>Post Month</li> <li>Tax Group</li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>• <b>Section 8 – Current Month Property TB</b> <ul style="list-style-type: none"> <li>○ Create #TB Property – fields:                             <ul style="list-style-type: none"> <li>AccountID</li> <li>,Property</li> <li>,Amount</li> <li>,MonthDate</li> <li>,Commitment</li> <li>,TaxGroup</li> </ul> </li> <li>○ From OpsFinanceStagin.yardi.property, with additional data via joins from:                             <ul style="list-style-type: none"> <li>OpsFinanceStaging.yardi.acct</li> <li>OpsFinancestaging.yardi.fun_tran</li> <li>MAFixedAsset.TaxGroupMap</li> </ul> </li> </ul> </li> <li>Where g.ibook = “1”</li> <li>Group by:                             <ul style="list-style-type: none"> <li>p.sCode</li> <li>,a.hmy</li> <li>,g.dtPost</li> <li>,ft.hInvestor</li> <li>,tgm.TaxGroup</li> </ul> </li> </ul> <li>• <b>Section 9: Current Month TB Accrual / Con Entity Detail</b> <ul style="list-style-type: none"> <li>○ Create TBAccrual_ConEntity table – fields;                             <ul style="list-style-type: none"> <li>g.hacct</li> <li>,tgm.TaxGroup</li> <li>,SUM(g.damount)</li> </ul> </li> <li>○ Insert data into #TBRollup, from OpsFinanceStaging.yardi.gldetail, plus additional data via joins from:                             <ul style="list-style-type: none"> <li>OpsFinanceStaging.yardi.gldetail</li> <li>OpsFinanceStaging.yardi.property</li> <li>OpsFinancStaging.yardi.acct</li> <li>MAFixedAsset.TaxGroupMap</li> </ul> </li> </ul> </li>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>MAFixedAsset.TaxRegisterAccount</p> <p>Where</p> <p>g.sref &lt;&gt; "Rollup JE"</p> <p>g.sref &lt;&gt; "Rollup JEM"</p> <p>g.sref is not like "Reversal of%" or if g.ref is null, or g.ibook = "1"</p> <p>Group by</p> <p>g.hacct tgm.TaxGroup</p> <ul style="list-style-type: none"> <li>• Section 10 – Insert Final Results into Summary Table                             <ul style="list-style-type: none"> <li>○ Create table #TaxRollForwardResults – fields:                                     <ul style="list-style-type: none"> <li>,Account</li> <li>,AcctDesc</li> <li>,BeginningBalance</li> <li>,Acquisitions</li> <li>,RenovationCapEx</li> <li>,HoldingCosts</li> <li>,Disposals</li> <li>,Recinded</li> <li>,Writedowns</li> <li>,WritedownsDis</li> <li>,TransferReclass</li> <li>,ConstructionInProgress</li> <li>,Unclassified</li> <li>,Total</li> <li>,Rollup</li> <li>,Property</li> <li>,Entity</li> <li>,TaxGroup</li> </ul> </li> <li>○ Insert data into these fields into #TaxRollforwardResults –[ from these temporary tables:                                     <ul style="list-style-type: none"> <li>• #TBRollup</li> <li>• #TBProperty</li> </ul> </li> </ul> </li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>• TBAccrual_ConEntity</li> <li>○ A second query inserts into rpt.TaxRollForwardMonthSummary from #CurrentMonth – fields:                             <ul style="list-style-type: none"> <li>,Account</li> <li>,AccountDescription</li> <li>,BeginningBalance</li> <li>,Acquisitions</li> <li>,RenovationCapEx</li> <li>,HoldingCosts</li> <li>,Disposals</li> <li>,Recinded</li> <li>,Writedowns</li> <li>,WritedownsDis</li> <li>,TransferReclass</li> <li>,ConstructionInProgress</li> <li>,Unclassified</li> <li>,MonthTotal</li> <li>,RollupTotal</li> <li>,PropertyTotal</li> <li>,RollupPropertyVariance</li> <li>,EntityTotal</li> <li>,TotalVariance</li> <li>,TaxGroup</li> <li>,PostMonth</li> </ul> </li> <li>○ These tables are then dropped:                             <ul style="list-style-type: none"> <li>• #CurrentMonth</li> <li>• #TBRollup</li> <li>• #TBProperty</li> <li>• #TBAccrual_ConEntity</li> <li>• #TaxRollForwardResults</li> </ul> </li> <li>• Update progress history – StatusID = 102 - completed</li> </ul>	
rpt	rpt.TaxRollForwardQuarterSummary_Insert.sql	350				<p><b>Inserts data into the Tax RollForward Quarter Summary.</b></p> <p>It relies on results from TaxRollForwardMonthSummary_Insert process.</p> <ul style="list-style-type: none"> <li>• Update Process history -= status ID = 1021 – Insert Running</li> <li>• Insert Data</li> <li>○ Create table #TaxRollForwardResults – fields:</li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>Account ,AcctDesc ,Acquisitions ,RenovationCapEx ,HoldingCosts ,Disposals ,Recinded ,Writedowns ,WritedownsDis ,TransferReclass ,ConstructionInProgress ,Unclassified ,Month1 ,Month2 ,Month3 ,Quarter ,Rollup ,Property ,Entity ,TaxGroup</p> <ul style="list-style-type: none"> <li>○ Insert data into #TaxRollForwardResults – Fields:                     <ul style="list-style-type: none"> <li>Account ,AcctDesc ,Month1 ,Month2 ,Month3 ,Quarter ,Rollup ,Property ,Entity ,TaxGroup</li> <li>• From rpt.TaxRollForwardMonthSummary - for                             <ul style="list-style-type: none"> <li>○ 1<sup>st</sup> month</li> <li>○ 2d Month</li> <li>○ 3<sup>rd</sup> Month</li> </ul> </li> <li>• Updates – with data inserted from @TaxRollForwardResults table: fields updated – all fields below are summed:                             <ul style="list-style-type: none"> <li>Acquisitions ,RenovationCapEx ,HoldingCosts ,Disposals ,Recinded ,Writedowns ,WritedownsDis</li> </ul> </li> </ul> </li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>,TransferReclass ,ConstructionInProgress ,Unclassified</p> <p>Grouped by</p> <p>Account Account Description Tax Group</p> <ul style="list-style-type: none"> <li>Insert data into rpt.TaxRollForwardQuarterSummary – fields:</li> </ul> <p>Account ,AccountDescription ,Acquisitions ,RenovationCapEx ,HoldingCosts ,Disposals ,Recinded ,Writedowns ,WritedownsDis ,TransferReclass ,ConstructionInProgress ,Unclassified ,Month1Total ,Month2Total ,Month3Total ,QuarterTotal ,RollupTotal ,PropertyTotal ,RollupPropertyVariance ,EntityTotal ,TotalVariance ,PostMonth ,TaxGroup</p> <ul style="list-style-type: none"> <li>From #TaxRollForwardResults</li> <li>Drop table #TaxRollForwardResults</li> </ul> <p>Update Process history – StatusID = 103 – insert complete Route to Register Process</p>	
rpt	<b>rpt.TaxRegisterMonthSummary_Insert.sql</b>	150		MAFixed Assedt. TaxRegister.account	rot,TaxRegisteronth Summary	<p><b>Inserts the Summarized Tax Register</b></p> <ul style="list-style-type: none"> <li>Section 1 – update process history. StatusID = 1111 – Insert Running</li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>• Section 2 – Insert data – from MAFixedAssedt.TaxRegister.account into</li> <li>○ Delete current month's data from rot,TaxRegisteronthSummary</li> <li>○ Select data from MAFixedAsset.Tax.RegisterAccount                             <ul style="list-style-type: none"> <li>• Populates column / field names</li> <li>• Populates field data –                                     <ul style="list-style-type: none"> <li>○ PropertyID</li> <li>○ Account</li> <li>○ Amount - Summed</li> </ul> </li> </ul> </li> </ul> <p>Section 3 – Log process end – update process history statusID = 112 – Insert Complete</p>	
rpt	<b>rpt.TaxRegisterTBMonthSummary_Insert.sql</b>	160				<p><b>Inserts the Summarized Tax Register TB Month Summary</b></p> <ul style="list-style-type: none"> <li>• Section 1 - Updated process history status ID = 1121 – insert running</li> <li>• Section 2 – Insert data                             <ul style="list-style-type: none"> <li>○ Delete current month rows from rpt.TaxRegisterTBMonthSummary</li> <li>○ Populate column names</li> <li>○ Insert into rpt.TaxRegisterTBMonthSummary – data from rpt.TaxRegisterDetail – fields:                                     <p>PropertyID Account Amount - summed</p> </li> <li>○ Create table #RegisterTBMonthSum – fields;                                     <p>PropertyID Account Amount - summed</p> </li> <li>○ Insert data into #RegisterTBMonthSum – fields                                     <p>PropertyID Account Amount - summed</p> <p>From MAFixedAssetRegisterAccount – for current month.</p> </li> </ul> </li> <li>○ Update @RegisterTBMonthSum with data from rpt.taxRegister</li> </ul>	Doesn't drop the #RegisterTBMonthSum after insert into rpt.TaxRegisterTBMonthSummary.

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>Section 3 – update process history statusID = 113 – Insert Complete</li> </ul>	
rpt	<b>rpt.TaxAccountGroupMonthRollup_Insert.sql</b>	200		[MAFixedAsset].TaxAccountGroup	rpt.TaxAccountGroupMonthRollup,	<p><b>Inserts the rollup values for the tax account group into rpt.TaxAccountGroupMonthRollup</b></p> <ul style="list-style-type: none"> <li>Section 1 – Update process history StatusID = 1201 – insert running</li> <li>Section 2 – insert data                             <ul style="list-style-type: none"> <li>Delete current month rows from rpt.TaxRegisterTBMonthSummary_Insert.sql</li> <li>Inserts data into rpt.TaxAccountGroupMonthRollup, fields:                                     <ul style="list-style-type: none"> <li>PropertyID</li> <li>TaxGroup</li> <li>TaxAccountGroupName</li> <li>Amount – Summed</li> </ul> </li> </ul> </li> </ul> <p>Additional data via joins from:</p> <ul style="list-style-type: none"> <li>MAFixedAsset.TaxAccountGroup</li> <li>MAFixedAsset.TaxPeriod</li> </ul> <p>Grouped by:</p> <ul style="list-style-type: none"> <li>PropertyID</li> <li>TaxGroup</li> <li>TaxAccountGroupName</li> </ul> <ul style="list-style-type: none"> <li>Section 3 – update process history – statusID = 121 – Account Group Complete</li> </ul>	
rpt	<b>rpt.TaxRollForwardBookDifferenceMonthSummary_Insert.sql</b>	500		OpsFinanceStaging.Yardi.GLdetail		<p><b>Inserts data into the Tax RollForward Month Summary, including Book to Tax Differences</b></p> <ul style="list-style-type: none"> <li>Section 1 – update process history – statusID = 1501 – insert running</li> <li>Section 2 – insert data - <b>#CurrentMonth</b> from OpsFinanceStaging.Yardi.GLdetail                             <ul style="list-style-type: none"> <li>Create table #CurrentMonth</li> <li>Insert into #CurrentMonth – from OpsFinancStaging.yardi.gldetail – fields:                                     <ul style="list-style-type: none"> <li>PosdtMonth</li> <li>AccountID</li> </ul> </li> </ul> </li> </ul>	#CurrentMonth is not dropped anywhere I can find. Just curious



Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>Amount – Summed</p> <p>Additional data via joins from:</p> <p>OpsFinanceStaging.yardi.property OpsFinanceStaging.yardi.acct MAFixedAsset.TaxRegisterAccount</p> <ul style="list-style-type: none"> <li>○ Group by:</li> </ul> <p>DttPost – (“Post Month?”) Account</p> <ul style="list-style-type: none"> <li>● Section 2 – Insert data <b>#CurrentMonth</b> – from rpt.TaxBookDifference</li> <li>○ Create table #TBRollup</li> <li>○ Insert data into @TBRollup – fields:</li> </ul> <p>Segment3 Hacct</p> <ul style="list-style-type: none"> <li>● Section 2 – Insert data <b>#CurrentMonthSum</b> from <b>rpt.TaxBookDifference</b> – fields:</li> </ul> <p>PostMonth AccountID Amount – summed</p> <p>Additional Data via joins from:</p> <p>MAFixedAssetTaxGroupMap MAFixedAssetTaxRegisterAccount Tax Group = “LP”</p> <ul style="list-style-type: none"> <li>● Section 2 – insert data into <b>#CurrentMonthSum</b> from <b>@CurrentMonth</b> – fields:</li> </ul> <p>PostMonth AccountID Amount – summed</p> <ul style="list-style-type: none"> <li>● Section 2 – Insert data into <b>#TBRollup</b> – from <b>OpsFinancestaging.yardi.gldetail</b> – fields</li> </ul> <p>Segment3 Hacct Amount - summed</p>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>○ Create tables:                             <ul style="list-style-type: none"> <li>● #TBRollup</li> <li>● #TBRollupSum</li> </ul> </li> <li>○ Insert data into <b>#TBRollup</b> – from <b>rpt.TaxBookDifference</b> – fields:                             <ul style="list-style-type: none"> <li>Property ID</li> <li>Account</li> <li>Amount – summed                                     <ul style="list-style-type: none"> <li>● Additional data via joins from:   <ul style="list-style-type: none"> <li>MAFixedAsset.TaxGroupMap</li> <li>MAFixedAsset.TaxRegisterAccount</li> </ul> </li> </ul> </li> </ul> </li> <li>● Section 2 – Insert data into <b>#TBRollup</b> – from <b>rpt.TaxBookDifference</b> fields:                             <ul style="list-style-type: none"> <li>Segment 3 (property ID)</li> <li>AccountID</li> <li>Amount – summed</li> </ul> </li> <li>● Section 2 – Insert data into <b>#TBRollupSum</b> – from <b>#TBRollup</b> fields:                             <ul style="list-style-type: none"> <li>Setment3</li> <li>AccountID</li> <li>Amount - summed</li> </ul> </li> <li>● Section 2 – Insert data into <b>#TBProperty</b> –</li> <li>○ Create tables:                             <ul style="list-style-type: none"> <li>● #TBProperty</li> <li>● #TBPRopertySum</li> </ul> </li> <li>○ Insert <b>Quarter TB Rollup Detail</b> into <b>#TBProperty</b> from <b>OpsFinanceStaging.yardi.gldetail</b> – fields:                             <ul style="list-style-type: none"> <li>AccountID</li> <li>Property</li> <li>Amount – Summed</li> <li>Month Date (Post)</li> <li>Commitment (investor)</li> </ul> </li> <li>● Additional data via joins from:</li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>OpsFinanceStaging.yardi.property @TBRollupSum OpsFinanceStaging.yardi.acct OpsFinanceStaging.yardi.fund_tran</p> <ul style="list-style-type: none"> <li>• Obtain <b>Entity ID's</b> from MAFixedAsset.TaxGroupMap where TaxGroup = 'LP" and Status ID &lt;&gt; 5</li> <li>○ Insert data into <b>#TBProperty</b> from <b>rpt.TaxBookDifference</b> – fields: Account PropertyID Amount =- summed Month Date Commitment</li> <li>○ Insert data into <b>#TBPropertySum</b> from <b>#TBProperty</b> – fields: Account PropertyID Amount =- summed Month Date Commitment</li> <li>• Section 2 – Insert data into <b>#TBAccrual_Con_Entity</b> tables from <b>OpsFinanceStaging.yardi.gldetail</b> –</li> <li>○ Create tables: <ul style="list-style-type: none"> <li>• #TBAccrual_ConEntity</li> <li>• #TBAccrual_ConEntitySum</li> </ul> </li> <li>○ Insert data into <b>#TBAccrual_Con_Entity</b> from <b>OpsFinanceStaging.yardi.gldetail</b> – fields; Account Amount- summed</li> </ul> <p>Additional data via joins from: OpsFinanceStaging.yardi.property OpsFinanceStaging.yardi.acct MAFixedAsset.TaxGroupMap MAFixedAsset.TaxRegisterAccount</p> <ul style="list-style-type: none"> <li>○ Insert data into <b>#TBAccrual_ConEntity</b> from <b>rpt.TaxBookDifference</b> – field:</li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>Account Amount – summed</p> <p>Additional data via joins from:</p> <p>MAFixedAsset.TaxGroupMap MAFixedAsset.TaxRegisterAccount</p> <ul style="list-style-type: none"> <li>○ Insert data into #TBAccrual_ConEntitySum from #TBAccrual_ConEntity – fields:</li> </ul> <p>AccountID Amount - summed</p> <ul style="list-style-type: none"> <li>● Section 2 – Insert Tax Rollforward Results table data</li> <li>○ Create Table #TaxRollforwardResults</li> <li>○ Insert data into #TaxRollforwardResults from #CurrentMonthSum – fields:</li> </ul> <p>Account AcctDesc Total Rollup Property Entity</p> <p>Additional data via join with OpsFinanceStaging.yardi.acct</p> <ul style="list-style-type: none"> <li>● Section 2 – Insert data into rpt.TaxRollForwardBookDifferenceMonthSummary from #TaxRollforwardResults – fields:</li> </ul> <p>Account ,AccountDescription ,MonthTotal ,RollupTotal ,PropertyTotal ,RollupPropertyVariance ,EntityTotal ,TotalVariance ,PostMonth</p> <ul style="list-style-type: none"> <li>○ Drop tables: <ul style="list-style-type: none"> <li>● #CurrentMonthSum</li> <li>● #TBRollup</li> </ul> </li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>• #TBProperty</li> <li>• #TBAccrual_ConEntity</li> <li>• #TaxRollForwardResults</li> <li>• Section 3 – log process end –                             <ul style="list-style-type: none"> <li>○ Status ID = 151 – insert complete</li> <li>○ Checks if Tax Deloitte Depreciation entries exist and are finalized. If they are, then inserts an entry to re-run Tax Apportionment Summary – conditions:                                     <ul style="list-style-type: none"> <li>• In MAFixedAsset.TaxDeloitteDepreciationTaxPeriod table, locates Tax Period in the matching upload file name, and Tax Period, then checks if “FinalVersion – 1”.</li> <li>• If so, then sets statusID = 170</li> <li>• If not, then Sets Status ID – 7 – ‘could not start Tax Apportionment process” Tax Deloitte Depreciation entries for this tax period are missing.”</li> </ul> </li> </ul> </li> </ul>	
rpt	<b>rpt.TaxApportionmentDetail_Insert.sql</b>	150		MAFixedAsset.TaxDeloitteDepreciation	rpt.TaxApportionmentDetail	<p><b>Inserts the Quarterly Tax RollForward Detail Exceptions</b></p> <ul style="list-style-type: none"> <li>• Section 1 – update process history – StatusID = 1701 – Insert running.</li> <li>• Section 2 – Insert Data                             <ul style="list-style-type: none"> <li>○ Find the tax period that contains the identified month – tax period from MAFixedAsset.TaxPeriod table.</li> <li>○ Remove any results that exist in the TaxApportionmentDetail table for that tax period – Delete rows from current tax period in rpt.TaxApportionmentDetail.</li> <li>○ Insert new results into the the TaxApportionmentDetail table for that tax period from MAFixedAsset.TaxDeloitteDepreciation – fields:                                      [State]                                      ,[DepreciableBasis]                                      ,[TransfersOut]                                      ,[DepreciableBasisWithoutTransfers]                                      ,[DepreciableBasisIncludingTransfersPercent]                                      ,[TransfersOutPercent]                                      ,[DepreciableBasisWithoutTransfersPercent]                                      ,[IncreaseDecreasePercent]                                      ,[FullStateName]                                 </li> </ul> </li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>                     ,[ApportionmentStateFactors]                      ,[FundOneKOneLossIncome]                      ,[RCOKOneLossIncome]                      ,[CombineFiling]                      ,[TaxPeriodId]                 </p> <ul style="list-style-type: none"> <li>Additional data via joins from:                         <ul style="list-style-type: none"> <li>MAFixedAsset.TaxDeloitteDepreciationTaxPeriod                                 <ul style="list-style-type: none"> <li>Calculate Summarized Values For This Tax Period – from rpt.TaxApportionmentDetail – fields:   <ul style="list-style-type: none"> <li>DepreciableBasis</li> <li>TransfersOutSum</li> <li>DrpreciableBasisWithoutTransfersSum</li> </ul> </li> <li>Update Table with Summarized Values - from rpt.TaxApportionmentDetail – fields:   <ul style="list-style-type: none"> <li>DepreciableBasis Including TransfersPercent</li> <li>TransfersOutPercent</li> <li>DepreicableBasisWithoutTransfersPercent</li> </ul> </li> <li>Update Final Meta-Column Value – - from rpt.TaxApportionmentDetail – fields / calculation   <ul style="list-style-type: none"> <li>IncreaseDecreasePercent = DepreciablebasisWithoutTransfersPercent – DepreciableBasisIncluding TransfersPercent</li> </ul> </li> </ul> </li> <li>Section 3 – update process history – status ID 171 – Insert complete</li> </ul> </li></ul>	
rpt	rpt.TaxApportionmentSummary_Insert.sql	500				<p><b>Inserts the Quarterly Tax RollFoward Detail Exceptions – into</b></p> <ul style="list-style-type: none"> <li>Section 1 – update process history – statusID = 1711 – Insert Running</li> <li>Section 2 – Insert data                         <ul style="list-style-type: none"> <li>Find tax period that contains the identified month – from MAFixedAsset.TaxPeriod</li> <li>Remove any results that exist in the TaxApportionmentSummary table for the tax period</li> <li>Insert Tax Apportionment Breakdown Cate gory Names into rpt.TaxApportionmentCategory</li> </ul> </li> </ul>	<p>Need clatification on the parentential table names and how they work.</p> <p>Column name section starting at line 155 – the sections look identical – so I am missing something; what?</p>

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>(TaxApportionmentCategoryName, TaxPeriod ID from MAFixedAssetTaxDeloitteDepreciation</p> <ul style="list-style-type: none"> <li>○ Sort Tax Apportionment Breakdown Category Names</li> <li>○ Insert new results into the TaxApportionmentSummary table for the tax period – rpt.TaxApportionmentCategory ( TaxApportionmentCategoryName, TaxPeriodId, StatusId ), from MAFixedAsset.TaxDeloitteDepreciation – for the tax period.</li> </ul> <p>Fields:</p> <p>[State]          ,[DepreciableBasis]          ,[TransfersOut]          ,[DepreciableBasisWithoutTransfers]          ,[DepreciableBasisIncludingTransfersPercent]          ,[TransfersOutPercent]          ,[DepreciableBasisWithoutTransfersPercent]          ,[IncreaseDecreasePercent]          ,[TaxPeriodId]</p> <ul style="list-style-type: none"> <li>○ Calculate Summarized Values For This Tax Period – from rpt.TaxApportionmentSummary for the tax period get</li> </ul> <p>DepreciableBasisSum          TransferOutSum          DepreciableBasisWithoutTransfersSum</p> <ul style="list-style-type: none"> <li>○ Update Table with Summarized Values</li> </ul> <p>DepreciableBasisIncludingTransfersPercent          TransfersOutPercent          DepreciableBasisWithoutTransfersPercent</p> <ul style="list-style-type: none"> <li>○ Update Final Meta-Column Value – from [rpt].[TaxApportionmentSummary]</li> </ul> <p>IncreaseDecreasePercent = [DepreciableBasisWithoutTransfersPercent]-          [DepreciableBasisIncludingTransfersPercent]</p> <ul style="list-style-type: none"> <li>• Column Names logic – do not understand how this works.</li> <li>• Create tables:             <ul style="list-style-type: none"> <li>○ #CostEnding</li> <li>○ #CostEndingCalculation</li> <li>○ Each with 50 “CostEnding...” fields, plus TaxPeriodID</li> </ul> </li> <li>• Insert into #CostEnding – from MAFixedAsset.TaxDeloitteDepreciation for tax period and</li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>rpt.TaxApportionmentssummary - 50 fields "CostEnding999" for tax period and state</p> <ul style="list-style-type: none"> <li>• Insert into #CostEndingCalculation – from MAFixedAsset.TaxDeloitteDepreciation for tax period and rpt.TaxApportionmentssummary - 50 fields "CostEndingCalculation999" for tax period and state</li> <li>•</li> </ul> <p>Section 3 – update process history status ID – 172 – insert complete</p>	
rpt	<b>rpt.TaxRegisterTBDDetail_Insert.sql</b>	120		OpsFinanceStaging.yardi.gldetail	rpt.TaxRegisterTBDDetail	<p><b>Inserts the the Tax Register trial balance detail</b></p> <ul style="list-style-type: none"> <li>• Section 1 – update process history – statusID =- 1141 – insert running</li> <li>• Section 2 – Insert Data into rpt.TaxRegisterTBDDetail from OpsFinanceStaging.yardi.gldetail – fields;</li> </ul> <p>EntityId ,Account ,Amount - summed ,MonthDate ,TaxGroup ,CreateDate</p> <ul style="list-style-type: none"> <li>○ Additional data via Joins from:</li> </ul> <p>OpsFinanceStaging.yardi.property OpsFinancestaging.yardi.acct MAFixedAsset.TaxGroupMap MXFixedAsset.TaxRegisterAccount</p> <ul style="list-style-type: none"> <li>• Section 3 – update process history statusID – 111 – Insert Complete</li> </ul>	
rpt	<b>rpt.TaxRevenueReconciliation_Insert.sql</b>	610		OpsFinanceStaging.yardi.gldetail	rpt.TaxRevenueReconciliation	<p><b>Inserts the Monthly Tax RollFoward Details.</b></p> <ul style="list-style-type: none"> <li>• <b>Section 1 – updates process history – statusID – 225 – Insert running</b></li> <li>• <b>Section 2 – Set up Temp Tables</b></li> </ul> <ul style="list-style-type: none"> <li>○ Create Table - #TaxPeriodGroups –</li> <li>○ Insert data into @TaxPeriodGroups from MAREvenue.TaxGroup - fields:</li> </ul> <p>TaxGroupID</p>	



Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>TaxGroupName TaxPeriodID</p> <ul style="list-style-type: none"> <li>• Additional data via Join to MAFixedAssetTaxPeriod.</li> <li>• <b>Section 3 - delete All Report Entries For The Given Month –</b> from rpt.TaxRevenueReconciliation</li> <li>• <b>Section 4 - Current MonthTotal</b></li> <li>○ Insert into rpt.TxRevenueRecogonciliation, from OpsFinanceStaging.yardi.gldetail g – fields:</li> </ul> <p>TaxGroupId ,Account ,AccountDescription ,EntityCode ,PropertyId ,PropertyState ,Total ,TotalTransactions ,PostMonth ,StatusId ,CreateDate</p> <ul style="list-style-type: none"> <li>• Additional data via Joins to:</li> </ul> <p>OpsFinanceStaging.yardi.acct MAFixedAsset.TaxGroupMap JOIN #TaxPeriodGroups MARevenue].ChartOfAccounts OpsFinanceStaging.stage.Property</p> <ul style="list-style-type: none"> <li>• <b>Section 5 - Current Month TB Rollup Detail</b></li> <li>○ INSERT INTO rpt.TaxRevenueReconciliation from OpsFinanceStaging.yardi.gldetail – fields:</li> </ul> <p>TaxGroupId ,Account ,AccountDescription ,EntityCode ,PropertyId ,PropertyState ,TBRollup ,TBRollupTransactions ,PostMonth ,StatusId ,CreateDate</p>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<ul style="list-style-type: none"> <li>• Additional data via joins to  OpsFinanceStaging.yardi.property  OpsFinanceStaging.yardi.acct  MAFixedAsset.TaxGroupMap  #TaxPeriodGroups  MARevenue].ChartOfAccounts  OpsFinanceStaging.stage.Property  Where <b>Segment 3 IS NOT NULL</b></li> <li>○ INSERT INTO rpt.TaxRevenueReconciliation, from OpsFinanceStaging.yardi.gldetail – fields:  TaxGroupld  ,Account  ,AccountDescription  ,EntityCode  ,Propertyld  ,PropertyState  ,TBRollup  ,TBRollupTransactions  ,PostMonth  ,Statusld  ,CreateDate</li> <li>• Additional data via joins to  OpsFinanceStaging.yardi.property  OpsFinanceStaging.yardi.acct  MAFixedAsset.TaxGroupMap  #TaxPeriodGroups  MARevenue].ChartOfAccounts  OpsFinanceStaging.stage.Property  Where <b>Segment3 is NULL</b></li> <li>• <b>Section 6 - Insert Yardi Accrual Con Entity Amounts (Entity Transactions)</b></li> </ul> <p>Note: All entity transactions are routed to the RevenueException process to have the property and state assigned. Therefore, we get all information directly from there.</p> <ul style="list-style-type: none"> <li>○ <b>INSERT INTO rpt.TaxRevenueReconciliation from MARevenue.RevenueException – fields:</b>  TaxGroupld  ,Account  ,AccountDescription</li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>,EntityCode                      ,PropertyId                      ,PropertyState                      ,EntityTotal                      ,EntityTransactions                      ,PostMonth                      ,StatusId                      ,CreateDate</p> <p>Where StatusID &lt;&gt; 5</p> <ul style="list-style-type: none"> <li>• <b>Section 7 - Insert Yardi Property Detail Amounts (Property Transactions)</b> <ul style="list-style-type: none"> <li>○ INSERT INTO rpt.TaxRevenueReconciliation, from OpsFinanceStaging.yardi.gldetail – fields:                             <p>TaxGroupId                                  ,Account                                  ,AccountDescription                                  ,EntityCode                                  ,PropertyId                                  ,PropertyState                                  ,PropertyTotal                                  ,PropertyTransactions                                  ,PostMonth                                  ,StatusId                                  ,CreateDate</p> <ul style="list-style-type: none"> <li>• Additional data via joins to                                     <p>OpsFinanceStaging.yardi.property  OpsFinanceStaging.yardi.acct  OpsFinanceStaging.fund_tran  MAFixedAsset.TaxGroupMap  #TaxPeriodGroups  MAREvenue].ChartOfAccounts  OpsFinanceStaging.stage.Property</p> </li> </ul> </li> </ul> </li> </ul> <p>Where g.ibook = 1</p> <ul style="list-style-type: none"> <li>• <b>Section 8 - Insert Override Detail Entries (Adjustment Transactions from Manual Upload)</b> <p>--Change out the columns when necessary - where entity is blank</p> <ul style="list-style-type: none"> <li>○ INSERT INTO rpt.TaxRevenueReconciliation from MAREvenue.TaxRevenueAdjustment, fields:</li> </ul> </li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						<p>TaxGroupld ,Account ,AccountDescription ,EntityCode ,Propertyld ,PropertyState ,AdjustmentTotal ,AdjustmentTransactions ,PostMonth ,Statusld ,CreateDate</p> <p>Where Entity code is Null and statusID &lt;&gt; 5 -Get anything else that was missed.</p> <ul style="list-style-type: none"> <li>o INSERT INTO rpt.TaxRevenueReconciliation from MARevenue.TaxRevenueAdjustment – fields:</li> </ul> <p>TaxGroupld ,Account ,AccountDescription ,EntityCode ,Propertyld ,PropertyState ,AdjustmentTotal ,AdjustmentTransactions ,PostMonth ,Statusld ,CreateDate</p> <p>Where statusid &lt;&gt; 5,</p> <ul style="list-style-type: none"> <li>• <b>Section 9 Clean up NULL values for later summation.</b></li> </ul> <p>Multiple Updates for different fields that may have Null values from rpt.TaxRevenueReconciliation table including:</p> <p>Total TotalTransactions TBRollup TBRollupTransactions EntityTotal EntityTransactions PropertyTotal PropertyTransactions Adjustmenttotal AdjustmentTransactions</p>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
						EntityCode Entity Code is blank and property ID = 4 PropertyState  ○ Drop Table #TaxPeriodGroups  Section 3 (should be 10) – update process history statusID = 230 – Insert Complete	
Rpt (embedded in rpt)	<b>rpt.TaxGroupMapMissingEntities_Select.sql</b>			rpt.TaxRollForwardManualDetail  MARevenue.ChartOfAccounts	@MissingEntities – list for SSRS report	<b>Selects entities missing from Tax Group Map based on manual rollforward – embedded in SSRS report</b> <ul style="list-style-type: none"> <li>• Section 1 – get necessary prerequisite values</li> <li>• Inserts into @Missing Entities list</li> <li>○ rpt.TaxRollForwardManualDetail with additional data via Joins from:                             <ul style="list-style-type: none"> <li>• MAFixedAsset.TaxRollForwardPropertyCategory</li> <li>• OpsFinanceStaging.yardi.property</li> <li>• OpsFinanceStaging.yardi.fund_tran</li> <li>• MAFixedAsset.TaxGroupMap</li> </ul> </li> <li>• Inserts into @MissingEntities from:</li> <li>○ MARevenue.ChartOfAccounts with additional data via Joins from                             <ul style="list-style-type: none"> <li>• OpsFinanceStaging.yardi.acct</li> <li>• OpsFinanceStaging.yardi.gldetail</li> <li>• OpsFinanceStaging.yardi.property</li> <li>• MAFixedAsset.TaxGroupMap</li> <li>• OpsFinanceStaging.stage.Property</li> </ul> </li> </ul>	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
Rpt (embedded in rpt)	<b>rpt.CYTaxBasisAssetsForDepSoftware_Report_Select UAT ONLY.sql</b>			Rpt.TaxRollForwardDetail  MAFixedAsset.TaxRollForwardPropertyCategory  MAFixedAsset.TaxRollForwardDetailOverride	Selects data for the SSRS report	<p><b>Selects Uncategorized and Categorized properties from 2 source tables – embedded in SSRS report.</b></p> <ul style="list-style-type: none"> <li>• Select Uncategorized properties from:                             <ul style="list-style-type: none"> <li>○ <b>Rpt.TaxRollForwardDetail</b> with additional data via Joins from:                                     <ul style="list-style-type: none"> <li>• MAFixedAsset.TaxRollForwardPropertyCategory</li> <li>• MAFixedAsset.TaxRollForwardDetailOverride</li> <li>• MAFixedAsset.TaxAssetTypeMap</li> </ul> </li> </ul> </li> <li>• Select Categorized properties from:                             <ul style="list-style-type: none"> <li>○ <b>MAFixedAsset.TaxRollForwardPropertyCategory</b> with additional data via Joins from:                                     <ul style="list-style-type: none"> <li>• rpt.TaxRollForwardDetail</li> <li>• MAFixedAsset.TaxRollForwardCategory</li> <li>• MAFixedAsset.TaxRollForwardDetailOverride</li> <li>• MAFixedAsset.TaxAssetTypeMap</li> </ul> </li> </ul> </li> <li>• Select Overridden properties from:                             <ul style="list-style-type: none"> <li>○ <b>MAFixedAsset.TaxRollForwardDetailOverride</b> with additional data via joins from:                                     <ul style="list-style-type: none"> <li>• rpt.TaxRollForwardDetail</li> <li>• MAFixedAsset.TaxRollForwardCategory</li> <li>• MAFixedAsset.TaxRollForwardCategory</li> <li>• MAFixedAsset.TaxRollForwardPropertyCategory</li> <li>• MAFixedAsset.TaxAssetTypeMap</li> </ul> </li> </ul> </li> </ul>	Script rewritten – update this to reflect the new logic, using Tax Roll Forward Detail as the primary table to force balance it to the main RF report

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
Rpt (embedded in rpt)	rpt.TaxRollForwardRangeSummary_Report_Select UAT ONLY.sql			rpt.TaxRollForwardMonthSummary  and MAFixedAsset.TaxRegisterAccount	Selects data for the SSRS report	<p><b>Selects and calculates (summations) of /17 fields for the SSRS report.</b></p> <ul style="list-style-type: none"> <li>• Selects from rpt.TaxRollForwardMonthSummary, with additional data via join from:                             <ul style="list-style-type: none"> <li>○ MAFixedAsset.TaxRegisterAccount</li> <li>○ Sums 17 fields</li> <li>○ Provides data for the SSRS report.</li> </ul> </li> </ul>	
	MAFixedAsset.TaxRollForwardDetailSearchable_Insert			rpt.TaxRollForwardDetail	MAFixedAsset.TaxRollForwardAccount  MAFixedAsset.TaxRollForwardProperty  MAFixedAsset.TaxRollForwardEntity  MAFixedAsset.TaxRollForwardSegment  MAFixedAsset.TaxRollForwardReference  MAFixedAsset.TaxRollForwardDate  MAFixedAsset.TaxRollForwardDetailSearchable  [MAFixedAsset].[TaxRollForwardDetailOverrideFlatUI]	MAFixedAsset.TaxRollForwardDetailSearchable_Insert  MAFixedAsset.TaxRollForwardAccount  MAFixedAsset.TaxRollForwardProperty  MAFixedAsset.TaxRollForwardEntity  MAFixedAsset.TaxRollForwardSegment  MAFixedAsset.TaxRollForwardReference  MAFixedAsset.TaxRollForwardDate  MAFixedAsset.TaxRollForwardDetailSearchable  [MAFixedAsset].[TaxRollForwardDetailOverrideFlatUI]	

Type	SP Name	Lines of code	Called by Process name	Source Table(s)	Target Table(s)	Functional Summary of the SP	Note
					MAFixedAsset.TaxRollForwardDate  MAFixedAsset.TaxRollForwardDetailSearchable  [MAFixedAsset].[TaxRollForwardDetailOverrideFlatUI]		



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## Appendix 1 – Architecture and Technical Standards and Code Structure

This section was authored by Brian Swift, the developer of the Data Workbench

### General Guidelines

#### Database

- By definition, all tables in the DataWorkbench application are either a copy or configuration data.
- Database Name: DataWorkbench
- Database Schema:
  - App (App is used for configuration)
  - Etl (Etl is used for receiving file data)
  - Rpt (Rpt is used for report tables)
- Each mini-application should be stored in a separate sche ma.
- Database schema should have a standard naming convention for each application. This should be in a camelCase like MiniApplication “MA” + Application Name (MAFixedAsset)
- Future design should include API calls with the source system.
- It is acceptable to authenticate at application level and use the windows account for database access. When using API call, will need to use impersonation to access database.
- Data should be accessed via the Data Warehouse whenever possible rather than accessing Yardi Replica directly.

#### Talend

Please refer to Appendix 2 for detailed descriptions of the Talend ETL functions.

- Outbound data should be in Talend ESB and avoid batch outs.
- Talend should be set-up in a separate environment from Data Workbench.

#### Application

- Application should handle errors so that if a dependent application goes down then workbench application goes down gracefully.
- If the application cache of Active Directory data is culled or empty, it should be restored by the application seamlessly.
- Visual Studio should be set-up in a way to be able to create branches to be used in various environments.
- Application should use the same color coding for environments as Yardi and CRM

PROD	<span style="display:inline-block; width:15px; height:15px; background-color:#002060;"></span>	#002050
UAT	<span style="display:inline-block; width:15px; height:15px; background-color:#C00000;"></span>	#C00000
QA	<span style="display:inline-block; width:15px; height:15px; background-color:#FFB300;"></span>	#FBB117
DEV	<span style="display:inline-block; width:15px; height:15px; background-color:#468499;"></span>	#468499

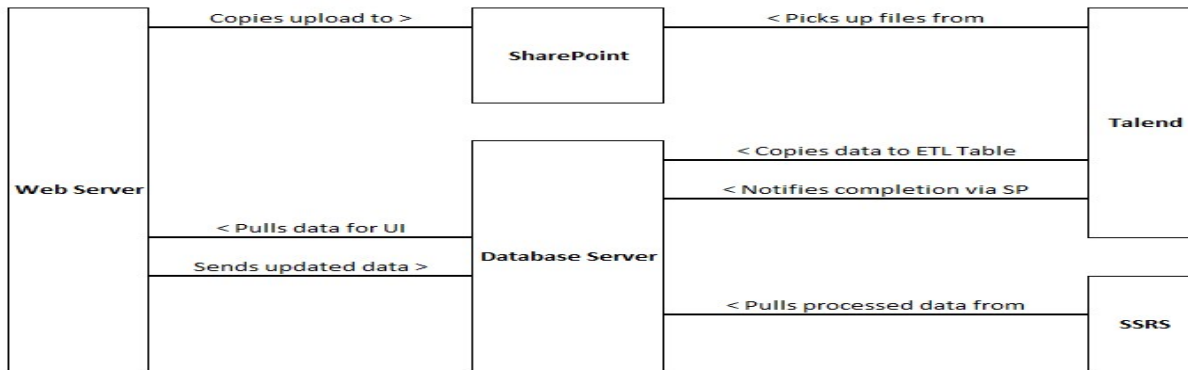
- Application should be supported by at least following browser type - IE, Chrome, Firefox. However, each mini-application may have its own browser type requirements such as Safari for iPad. Currently Safari is not part of AH4R regression test.
- For file upload, the files are to be saved in the SharePoint site - <https://sp.ah4r.com/sites/DataWorkBench>. Audit requires that the application keeps log of what file was uploaded and keep a version if updated files are uploaded.

**General Best Practice**

- Use DNS values in the application, not IP addresses.
- MUST have error handling; don't have unhandled errors
- For each application - the upload should be separated. It should be configurable in a location. The files will be on Share folder (SharePoint).

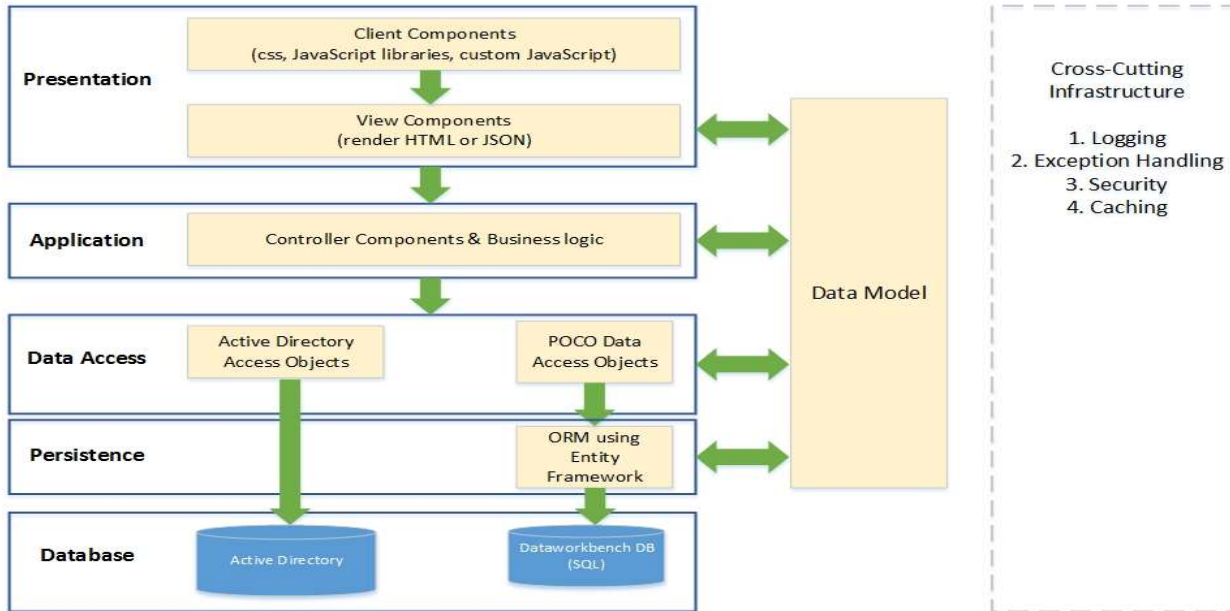
**Environment**

**Overview**



**Architecture**

Data Workbench Application Layered Architecture Diagram



**Functionality**

**Login**

Log in of the user is handled by Windows Authentication. If the user is using Internet Explorer, the user is seamlessly logged on without having to enter a username and password. If using Chrome, their credentials will be requested when the first log in.

**Permissions**

While Roles are managed through Active Directory, permissions assigned to those roles are stored in the database and can be managed through the site UI.

The table in the database that stores this mapping is app.RoleActivity. The layout of this table is as follows:

**app.RoleActivity**

RoleActivityId. This is an IDENTITY field, and the primary key for the table.

ActiveDirectoryGroup. This is the full name of the active directory group that represents the role being given permission. Note: you need to include the domain, AH4R, as part of the value. Example: AH4R\DWB\_FA\_RF\_Exceptions\_Updater

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ControllerName. This is the name of the controller that contains the action that the role will be allowed to call. Example: TaxRollForwardDetails

MethodName. This is the name of the controller action that is being run. Example: Update

CreateDate. This is the date which this record was created.

### **Workflow**

Workflow is stored in the database and maintained through the site UI. This consists of managing what status a particular record is in (stored as part of the record itself), as well as what statuses that a record is allowed to be moved into given its current status, based on the role that the user is in.

Processes which require workflow should have a status ID field which has a foreign key reference to the app.Status table described below. It is recommended to have an associated log table which stores the previous statuses that a record has been through, as well as the capture the user, time, and key values at the point in time of change.

### **app.Status**

The following is the definition of the app.Status table, which is a lookup table storing the list of possible statuses. If a status necessary for your process does not exist in this table, you should add it. The layout of this table is as follows:

StatusId. This is an IDENTITY field, and the primary key for the table. This is the field to which you should tie your FK reference from your table.

DisplayName. This is the friendly name of the status as it needs be represented on a record which is already in that status. Example: Updated.

SelectionName. This is the friendly name of the status as it needs to be displayed if the user is selecting it from a list of prospective statuses to move a record into. Example: Update.

CreateDate. This is the date which this record was created.

### **app.RoleActivityStatus**

The following is the definition of the app.RoleActivityStatus table. The purpose of this table is to maintain the mapping of workflows. This table is used to tie a specific entry in the RoleActivity table to what status it is allowed to operate on and what status that role can then move the record into via this action. So, for example: The AH4R\DWB\_FA\_RF\_Exceptions\_Updater role, when operating on the Update method of the TaxRollForwardDetails controller, is allowed to move a record from the Created status to the Updated status. The layout of this table is as follows:

RoleActivityStatusId. This is an IDENTITY field, and the primary key for the table.

RoleActivityId. This is a foreign key reference to the RoleActivityId field in the app.RoleActivity table.

CurrentStatusId. This is a foreign key reference to the StatusId field in the app.Status table. This value stores the status that the business record must match (the starting status).

NextValidStatusId. This is a foreign key reference to the StatusId field in the app.Status table. This value stores the status that the business record can be moved into by this action (the ending status).

CreateDate. This is the date which this record was created.

Note, it is possible that a role can be allowed to choose from multiple statuses to move into. In this case, multiple records would exist in this table. Example: The AH4R\DWB\_FA\_RF\_Exceptions\_Approver role, when operating on the Approve method of the TaxRollForwardDetails controller, is allowed to move a record from

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the Updated status to the Approve status (record 1). The AH4R\DWB\_FA\_RF\_Exceptions\_Approver role, when operating on the Approve method of the TaxRollForwardDetails controller, is also allowed to move a record from the Updated status to the Rejected status (record 2).

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## Appendix 2 – ETL Specifications

This section describes how files that are uploaded and named by Data Workbench to a specified SharePoint location are processed via Talend ETL into staging tables in the Data Workbench data base. From there, the process sequence picks up the file and processes it into data tables within Data Workbench..

### Tax RollForward

a. Sharepoint Location:

<https://sp.ah4r.com/sites/DataWorkBench/ layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Documents%2FTaxRollForwardManualDetail&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%7B127DF20C%2D1108%2D4B30%2D9438%2D13056A1DFF55%7D>

b. File Naming Convention: TaxRollForwardManualDetail-X-XXXXXXXXXXXX

File Name should start with TaxRollForwardManualDetail then append with current time.

c. Upload Sheet Naming Convention: No specification for Sheet name but file should contain only 1 sheet required to be uploaded.

d. File Schema:

- Columns should be in order.
- Column name should be fixed as per the schema below.
- Column data type should be as per the schema below.
- Date column format should be yyyy-MM-dd

e. Stored procedure triggered after data load : etl.TaxRollForwardManualDetailImport\_Complete(FileName)

Property	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		7	0
Account	<input type="checkbox"/>	Integer	<input checked="" type="checkbox"/>		7	0
Cost_Center	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		0	0
Due_To_From	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		0	0
OrgSource	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		0	0
ImSource	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		0	0
CAPEX	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		0	0
Date	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>	"yyyy-MM-dd"	28	0
Debit	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Credit	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Net	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Month	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>	"yyyy-MM-dd"		
Control	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			0
Refer	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		46	0
Refer_2	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		3	0
Description	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		46	0
Remarks	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		51	0
CreatedOn	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>	"yyyy-MM-dd"	28	0
CreatedBy	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		10	0

**Tax Book Difference**

- a. Sharepoint Location:  
[https://sp.ah4r.com/sites/DataWorkBench/\\_layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Documents%2FTaxBookDifference&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%7B127DF20C%2D1108%2D4B30%2D9438%2D13056A1DFF55%7D](https://sp.ah4r.com/sites/DataWorkBench/_layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Documents%2FTaxBookDifference&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%7B127DF20C%2D1108%2D4B30%2D9438%2D13056A1DFF55%7D)
- b. File Naming Convention: TaxBookDifference-X-XXXXXXXXXXXX  
 File Name should start with TaxBookDifference then append with current time.
- c. Upload Sheet Naming Convention: No specification for Sheet name but file should contain only 1 sheet required to be uploaded.
- d. File Schema:
  - Columns should be in order.
  - Column name should be fixed as per the schema below.
  - Column data type should be as per the schema below.
  - Date column format should be yyyy-MM-dd
- e. Stored procedure triggered after data load : etl.TaxBookDifferenceImport\_Complete(FileName)

Column	Key	Type	<input checked="" type="checkbox"/> N..	Date Pattern (Ctrl+ Spac...	Length	Precision
PropertyID	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		0	0
EntityId	<input type="checkbox"/>	Integer	<input checked="" type="checkbox"/>		5	0
EntityCode	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		5	0
Account	<input type="checkbox"/>	Integer	<input checked="" type="checkbox"/>			0
Description	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			0
PlacedInServiceDate	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>	"yyyy-MM-dd"		0
Amount	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		25	10
State	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			0
PostMonth	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			0

**TaxDeloitteDepreciation**

- a. Sharepoint Location:  
<https://sp.ah4r.com/sites/DataWorkBench/layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Documents%2FTaxDeloitteDepreciation&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%7B127DF20C%2D1108%2D4B30%2D9438%2D13056A1DFF55%7D>
- b. File Naming Convention: TaxDeloitteDepreciation-X-XXXXXXXXXXXX  
 File Name should start with TaxDeloitteDepreciation then append with current time.
- c. Upload Sheet Naming Convention: No specification for Sheet name but file should contain only 1 sheet required to be uploaded.
- d. File Schema:
  - Columns should be in order.
  - Column name should be fixed as per the schema below.
  - Column data type should be as per the schema below.
  - Date column format should be yyyy-MM-dd
- e. Stored procedure triggered after data load : etl.TaxDeloitteDepreciationImport\_Complete(FileName)



Column	Key	Type	<input checked="" type="checkbox"/> N..	Date Pattern (Ctrl+Spac...	Length	Precision
Schedule	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
PropNo	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Original_Book_System_ID_latest	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Original_Tax_System_ID_latest	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Asset_ID	<input type="checkbox"/>	Integer	<input checked="" type="checkbox"/>			
Location_State_latest	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Asset_Group_latest	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Asset_Type	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Asset_Status	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Description_per_Dep_Sched	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Description	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Acquisition_Date	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>	"yyyy-MM-dd"		
Year_in_Service	<input type="checkbox"/>	Integer	<input checked="" type="checkbox"/>			
PIS_Month	<input type="checkbox"/>	Integer	<input checked="" type="checkbox"/>			
Federal_Tax_Fact_Pattern_Life	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Federal_Tax_Fact_Pattern_Method	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Federal_Tax_Fact_Pattern_Convention	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			
Federal_Tax_Cost_Beginning_Balance	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Federal_Tax_Cost_Additions	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Federal_Tax_Cost_Disposals	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Federal_Tax_Cost_Transfers_Out	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Federal_Tax_Cost_Ending_Balance	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Federal_Tax_Depr_In_Period	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Federal_Tax_Depr_Net_Book_Value	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Total_Cost	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Transfers_Out	<input type="checkbox"/>	BigDecimal	<input checked="" type="checkbox"/>		18	2
Jurisdiction	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			

**TaxGroupMap**

- a. Sharepoint Location:  
[https://sp.ah4r.com/sites/DataWorkBench/\\_layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Documents%2FTaxGroupMap&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%7B127DF20C%2D1108%2D4B30%2D9438%2D13056A1DFF55%7D](https://sp.ah4r.com/sites/DataWorkBench/_layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Documents%2FTaxGroupMap&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%7B127DF20C%2D1108%2D4B30%2D9438%2D13056A1DFF55%7D)
- b. File Naming Convention: TaxGroupMap-X-XXXXXXXXXX  
 File Name should start with TaxGroupMap then append with current time.
- c. Upload Sheet Naming Convention: No specification for Sheet name but file should contain only 1 sheet required to be uploaded.
- d. File Schema:
  - Columns should be in order.

- Column name should be fixed as per the schema below.
  - Column data type should be as per the schema below.
  - Date column format should be yyyy-MM-dd
- e. Stored procedure triggered after data load : etl.TaxGroupMapImport\_Complete(FileName)

Column	Key	Type	<input checked="" type="checkbox"/>	N..	Date Pattern (Ctrl+ Spac...
EntityId	<input type="checkbox"/>	Integer	<input checked="" type="checkbox"/>		
EntityCode	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		
EntityName	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		
PropertyList	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		
Portfolio	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		
TaxGroup	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		
Notes	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>		
PostMonth	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>		"yyyy-MM-dd"

**TaxTRSActivity**

- a. Sharepoint Location:

[https://sp.ah4r.com/sites/DataWorkBench/\\_layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Documents%2FTaxTRSActivity&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%7B127DF20C%2D1108%2D4B30%2D9438%2D13056A1DFF55%7D](https://sp.ah4r.com/sites/DataWorkBench/_layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Documents%2FTaxTRSActivity&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%7B127DF20C%2D1108%2D4B30%2D9438%2D13056A1DFF55%7D)

- b. File Naming Convention: TaxTRSActivity-X-XXXXXXXXXXXX

File Name should start with TaxTRSActivity then append with current time.

- c. Upload Sheet Naming Convention: No specification for Sheet name but file should contain only 1 sheet required to be uploaded.

- d. File Schema:

- Columns should be in order.
- Column name should be fixed as per the schema below.
- Column data type should be as per the schema below.
- Date column format should be yyyy-MM-dd

- e. Stored procedure triggered after data load : etl.TaxTRSActivityImport\_Complete(FileName)

Expression	Column
row1.Owner_per_CRM	OwnerPerCRM
row1.Property_ID	PropertyId
row1.Address	Address
row1.City	City
row1.State	State
row1.Unit_Status	UnitStatus
row1.Contributor_Per_Agreement	ContributorPerAgreement
row1.Dwelling_Type	DwellingType
row1.Purchase_Date	PurchaseDate
row1.Transferred_Date	TransferredDate
row1.Initial_Agreement_Type	InitialAgreementType
row1.Back_to_LP_Date	TransferredToLPDate
row1.Secondary_Agreement_Type	SecondaryAgreementType
row1.Sale_Date_Per_Disposition_Report	SaleDate
row1.PostMonth	PostMonth
TalendDate.getCurrentDate()	ImportDate

Column	Key	Type	<input checked="" type="checkbox"/>	N..	Date Pattern (...)	Length	Precisi...	Defa...
OwnerPerCRM	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>				0	
PropertyId	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>				0	
Address	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>				0	
City	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>				0	
State	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>				0	
UnitStatus	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>				0	
ContributorPerAgre...	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>				0	
DwellingType	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>				0	
PurchaseDate	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>		"yyyy-MM-dd"		0	
TransferredDate	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>		"yyyy-MM-dd"		0	
InitialAgreementType	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>				0	
TransferredToLPDate	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>		"yyyy-MM-dd"		0	
SecondaryAgreeme...	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>				0	
SaleDate	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>		"yyyy-MM-dd"		0	
PostMonth	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>		"yyyy-MM-dd"	28	0	
ImportDate	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>		"yyyy-MM-dd"		0	

**TaxRevenueAdjustment**

a. Sharepoint Location:

<https://sp.ah4r.com/sites/DataWorkBench/ layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Docu ments%2FTaxRevenueAdjustment&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%2F127DF20C%2D1108%2D4B30%2D9 438%2D13056A1DFF55%7D>

b. File Naming Convention: TaxRevenueAdjustment-X-XXXXXXXXXXXX

File Name should start with TaxRevenueAdjustment then append with current time.

- 
- c. Upload Sheet Naming Convention: No specification for Sheet name but file should contain only 1 sheet required to be uploaded.
  - d. File Schema:
    - Columns should be in order.
    - Column name should be fixed as per the schema below.
    - Column data type should be as per the schema below.
    - Date column format should be yyyy-MM-dd
  - e. Stored procedure triggered after data load : etl. TaxRevenueAdjustment\_Complete(FileName)

The screenshot shows a software interface for defining data columns. At the top, a yellow header bar labeled 'row1' contains a list of column names: Account\_Number, Account\_Description, Property, Segment\_3, Post\_Month, Debit, Credit, Net, Reference, State, Tax\_Group, and Notes. Below this is a 'Schema editor' tab with an 'Expression editor' sub-tab. The main area displays a table with the following columns: Column, Key, Type, a checked checkbox, N.., Date Pattern (Ctrl+Spac..., Length, and Precision.

Column	Key	Type	<input checked="" type="checkbox"/>	N..	Date Pattern (Ctrl+Spac...	Length	Precision
Account_Number	<input type="checkbox"/>	Integer	<input checked="" type="checkbox"/>			7	0
Account_Description	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			46	0
Property	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			7	0
Segment_3	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			7	0
Post_Month	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>		"yyyy-MM-dd"	28	0
Debit	<input type="checkbox"/>	Float	<input checked="" type="checkbox"/>			6	3
Credit	<input type="checkbox"/>	Float	<input checked="" type="checkbox"/>			6	3
Net	<input type="checkbox"/>	Double	<input checked="" type="checkbox"/>			7	3
Reference	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			3	0
State	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			2	0
Tax_Group	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			2	0
Notes	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			0	0

**TaxAssetTypeMap**

- a. Sharepoint Location:

[https://sp.ah4r.com/sites/DataWorkBench/\\_layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Documents%2FAssetTypeMap&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%7B127DF20C%2D1108%2D4B30%2D9438%2D13056A1DFF55%7D](https://sp.ah4r.com/sites/DataWorkBench/_layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FDataWorkBench%2FShared%20Documents%2FAssetTypeMap&FolderCTID=0x0120007DCBA3D577F20449BA50DBAC53395C9A&View=%7B127DF20C%2D1108%2D4B30%2D9438%2D13056A1DFF55%7D)

- b. File Naming Convention: AssetTypeMap-X-XXXXXXXXXX  
File Name should contain AssetTypeMap then append with current time.
- c. Upload Sheet Naming Convention: No specification for Sheet name but file should contain only 1 sheet required to be uploaded.
- d. File Schema:
  - Columns should be in order.
  - Column name should be fixed as per the schema below.
  - Column data type should be as per the schema below.
  - PostMonth column format should be yyyy-MM-dd
- e. Stored procedure triggered after data load : N/A

Insert	
Expression	Column
row1.Account	Account
row1.AssetClass	AssetClass
row1.AssetType	AssetType
row1.PostMonth	PostMonth
TalendDate.getCurrentDate()	ImportDate

Insert								
Column	Key	Type	<input checked="" type="checkbox"/>	N..	Date Pattern ...	Length	Precisi...	Defa...
Account	<input type="checkbox"/>	Integer	<input checked="" type="checkbox"/>				0	
AssetClass	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			0	0	
AssetType	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>			0	0	
PostMonth	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>		"yyyy-MM-d...	28	0	
ImportDate	<input type="checkbox"/>	Date	<input checked="" type="checkbox"/>		"yyyy-MM-d...			