

Implementation Steps

Data Import Functionality



This document describes what is required to enable and implement Data Import.

- [One Time Setup](#)
- [Defining a Category as User Controlled](#)
- [Appendix A: Additional Things To Consider](#)

After these to-do's have been completed, Stratum.Viewer users can add user controlled data by clicking Data Import in the Analyst Tools group from the main menu in the top panel of Stratum, selecting an import file, and use the provided mapping window to select the target for the imported data. Complete information about import file setup, mapping, and so on are in the Data Import section of Viewer online help.

Important – Read First

General Verifications To Complete

Verify your Stratum implementation meets the following server, software, and Viewer Impersonation Account requirements.

1. The Stratum.Server application for the implementation must be on a Windows SQL server. Data Import is not available for implementations running Stratum.Server on an IBM i Server.
2. Stratum.Connector and Stratum.Viewer must be at version 7.1 or greater. If they are not, obtain the necessary software and upgrade as you have in the past using the separate Viewer / Connector install/upgrade guides.
3. The Stratum.Viewer implementation must have a valid license for the Stratum Analyst Hub. If you don't have the application, contact your Silvon Sales Representative at (800) 874-5866 or email us at info@silvon.com.
4. Verify that you have proper authority defined for the Viewer Impersonation Account. Details about the required authority are in the "Installation Requirements" document.

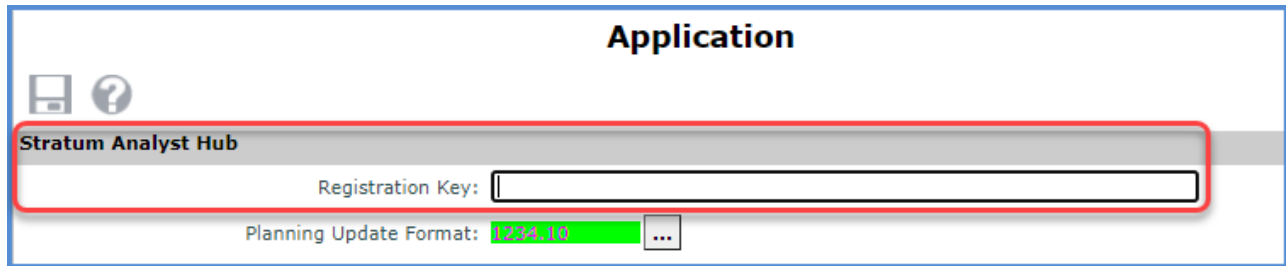
Considerations For User Controlled Categories

Version 7.1 is the initial release of User Controlled categories. The scope of the project was to allow the user the ability to import data from an Excel Spreadsheet that would then be available in views. The assumption is that all updates to the data will happen outside of Stratum and then the data would be reimported from the Excel file. Following are some limitations that currently exist for User Controlled Categories.

1. Planning Updates are currently not available for User Controlled Categories.
2. Data Copy currently does not support User Controlled Categories as a Source or a Target for a data copy.
3. Stratum Server commands are NOT compatible with User Controlled Categories. This includes Change Sets and Data Clear.

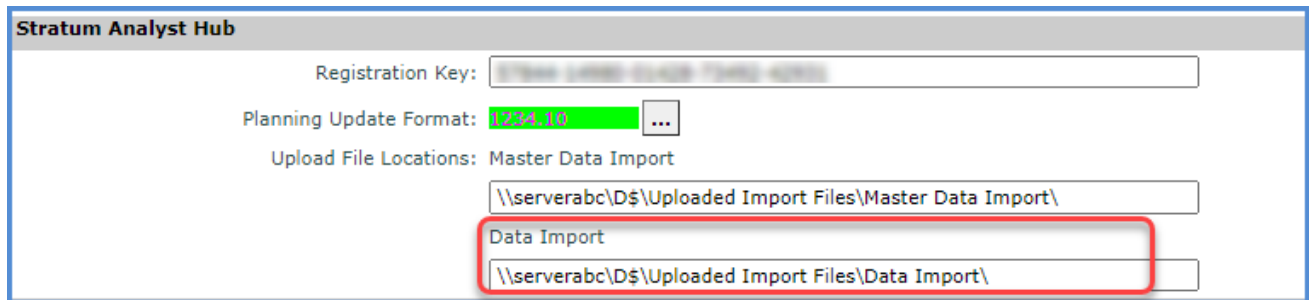
One -Time Setup

1. A registration key for the Stratum Analyst Hub must be specified in the Stratum Analyst Hub section of the Viewer Application window. If you don't have the Stratum Analyst Hub, contact your Silvion Sales Representative at (800) 874-5866 or email us at info@silvon.com.



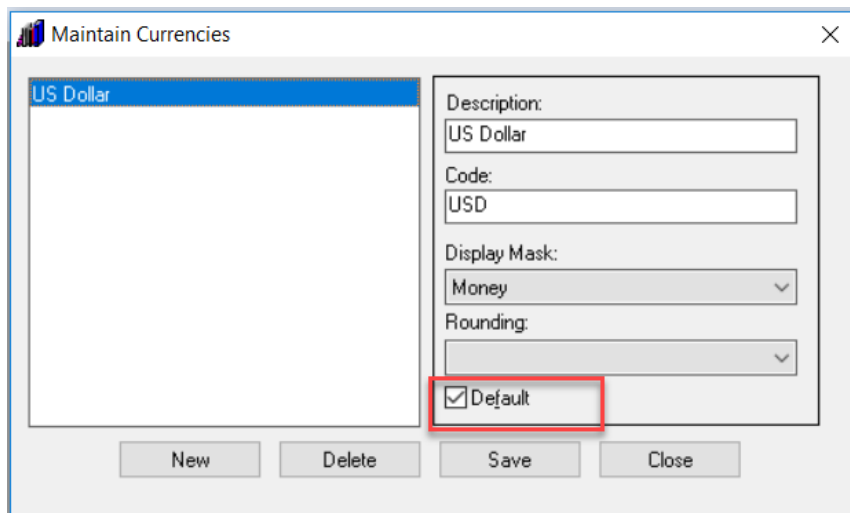
The screenshot shows the 'Application' window. At the top, there is a title bar with a file icon and a question mark icon. Below the title bar, the 'Stratum Analyst Hub' section is highlighted with a red box. This section contains a 'Registration Key' field and a 'Planning Update Format' field set to '1234.10' with a dropdown arrow.

2. Specify an Upload File Location for Data Import using the Stratum Analyst Hub section of the Application window. Copies of import data files are uploaded to this location.



This screenshot shows the 'Stratum Analyst Hub' section of the Application window. It includes the 'Registration Key' field, the 'Planning Update Format' set to '1234.10', and the 'Upload File Locations' section. Under 'Upload File Locations', there are two fields: 'Master Data Import' and 'Data Import'. The 'Data Import' field is highlighted with a red box and contains the UNC path '\\serverabc\D\$\Uploaded Import Files\Data Import\'.

- a. When specifying the location, use the full UNC path format \\host-name\share-name\file_path\ and include a backslash mark \ as the final character. For example: \\serverabc\D\$\User Controlled Data\Uploaded Import Files\
 - b. The location must be one that exists already and one to which your implementation's Viewer Impersonation account has access rights.
3. If your import file does not include currency data, Data Import will use the default currency code defined in Stratum Admin. Verify that it is defined appropriately for your implementation.

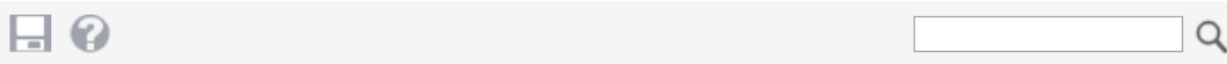


The screenshot shows the 'Maintain Currencies' dialog box. On the left, there is a list box with 'US Dollar' selected. On the right, there are fields for 'Description' (US Dollar), 'Code' (USD), 'Display Mask' (Money), and 'Rounding'. The 'Default' checkbox is checked and highlighted with a red box. At the bottom, there are buttons for 'New', 'Delete', 'Save', and 'Close'.

Defining User Controlled Categories – From An Existing Category

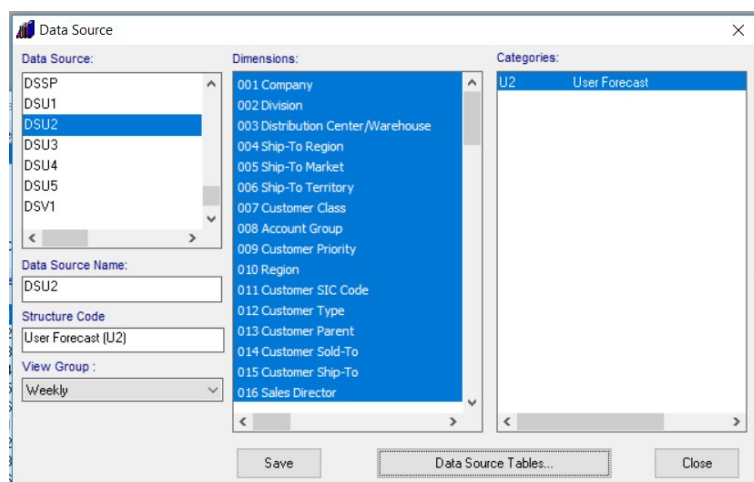
1. **Define the Category as User Controlled** – The list of categories that appear in Viewer's Category list window are the categories that currently exist in the Stratum AS Database AND that have an Import Calendar.

Note: You must be a View or Security Administrator to access Category from the Manage Things group that's in the main menu of the top panel of Stratum.

Category		
		
Name ▲	Data Controlled By	Data Table
Actual Sales	Corporate ▼	
Budget	Corporate ▼	
Cart Activity	Corporate ▼	
Deductions - Open	Corporate ▼	
Forecast	Corporate ▼	
Inventory	Corporate ▼	
User Budget	User ▼	mtu1transaction47
User Forecast	User ▼	mtu2transaction47
User POS	User ▼	mtu3transaction47

Note: When a category is defined as User Controlled, it's data will be stored in the new fact tables and the Connector will only look at those fact tables when building the AS cube. If a category had data in the Stratum Server header / detail files prior to being user controlled, that data will remain in the header /detail files. However, that data will not be included in the Stratum Cube once the category is defined as User Controlled.

2. If your category does not appear in this list, check the following:
 - a. Verify that you have an Import Calendar defined for the category's structure code.
 - b. Verify that the category's Measure Group has been selected in Connector's Measure Group Selection.
 - c. If your Category list page is empty, you most likely did not run a full process since upgrading Connector and Viewer to version 7.1 or greater. You will need to run a full process in order for any categories to appear in this window.
3. **Verify Your category is Defined as The Only Category For its Structure Code** – If it is not, then select a different category or change the definition of the selected category. Unpredictable results may occur when multiple categories exist in a single structure code.



4. **Stratum Import Calendars** – Import Calendars are used to set the year and bucket for each Data Import transaction. If an Import Calendar entry is not found for a transaction date, then your Data Import will fail. Verify that an appropriate Import Calendar has been defined for Structure Codes associated with each user controlled category. Make sure you create enough years into the future.

Note: A Connector Post Process is needed for Data Import to see any changes / addition made to the Import Calendar.

Structure Code	Year	Bucket	Ending Date
U2 - User Forecast/5/64/00	2016	1	01/05/2019
	2017	2	01/12/2019
	2018	3	01/19/2019
	2019	4	01/26/2019
	2020	5	01/31/2019
	2021	6	02/02/2019
	2022	7	02/09/2019
		8	02/16/2019
		9	02/23/2019
		10	02/28/2019
		11	03/02/2019
		12	03/09/2019

5. **Stratum ViewGroup Bucket Mappings** – ViewGroup bucket mappings are used by Viewer to determine the year and period associated with each transaction date (Year|Bucket). If a bucket mapping is not found for a transaction date (Year|Bucket), then your Data Import will fail. Verify that appropriate bucket mappings have been defined for the ViewGroup associated with the user controlled category. Make sure you create enough bucket mapping years into the future.

Note: A Connector Full Process is needed for Data Import to see any changes / addition made to ViewBucket Mappings.

ViewSetItem	ViewYear	Start	End	Start Date	End Date
January	2022	1	1	01/01/2022	01/31/2022
February	2022	2	2	02/01/2022	02/28/2022
March	2022	3	3	03/01/2022	03/31/2022
April	2022	4	4	04/01/2022	04/30/2022
May	2022	5	5	05/01/2022	05/31/2022
June	2022	6	6	06/01/2022	06/30/2022
July	2022	7	7	07/01/2022	07/31/2022
August	2022	8	8	08/01/2022	08/31/2022
September	2022	9	9	09/01/2022	09/30/2022
October	2022	10	10	10/01/2022	10/31/2022
November	2022	11	11	11/01/2022	11/30/2022

6. Data Import – You are now ready to import data.

- Data Import is only available to View and Security administrators.
- If you wish to provide this functionality to a Casual or Advanced user, you need to send them a user link that's comprised of your Viewer implementation's URL, then a forward slash, and then the text `DataImportListWindow.aspx`. Here's an example URL format:
<http://server-xyz:55001/DataImportListWindow.aspx>

Data Mapping						
Use this preview of your import file to tell us how to treat data during the import. Click the Configuration button if the preview layout doesn't match the import file layout or you want to map to different data than what's provided in the preview lists.						
Import Option: Add <input type="button" value="Validate"/> <input type="button" value="Configuration"/>						
Preview of rows 1 - 100						
Ignore	Dimension	Ignore	Dimension	Ignore	Dimension	Ignore
▼	▼	▼	▼	▼	▼	▼
▼	Division	▼	Region	▼	Customer Parent	▼
TDate	Division	Div Long Description	Region	Rgn Long Description	Distribution Channel	DsChn Long D
10/1/2017	F	Foodservice Division		330 East	DIR	Direct
11/1/2017	F	Foodservice Division		330 East	DIR	Direct
12/1/2018	F	Foodservice Division		330 East	DIR	Direct
1/1/2018	F	Foodservice Division		330 East	DIR	Direct
2/1/2018	F	Foodservice Division		330 East	DIR	Direct
3/1/2018	F	Foodservice Division		330 East	DIR	Direct
4/1/2018	F	Foodservice Division		330 East	DIR	Direct
5/1/2018	F	Foodservice Division		330 East	DIR	Direct
6/1/2018	F	Foodservice Division		330 East	DIR	Direct
7/1/2018	F	Foodservice Division		330 East	DIR	Direct
8/1/2018	F	Foodservice Division		330 East	DIR	Direct
9/1/2018	F	Foodservice Division		330 East	DIR	Direct
10/1/2017	F	Foodservice Division		330 East	DIR	Direct
11/1/2017	F	Foodservice Division		330 East	DIR	Direct
12/1/2018	F	Foodservice Division		330 East	DIR	Direct
1/1/2018	F	Foodservice Division		330 East	DIR	Direct
2/1/2018	F	Foodservice Division		330 East	DIR	Direct
3/1/2018	F	Foodservice Division		330 East	DIR	Direct
4/1/2018	F	Foodservice Division		330 East	DIR	Direct

Appendix A: Additional Things To Consider

Previous Levels

- Stratum Previous Level Definitions** – Verify previous level definitions are valid and complete. For example, there are no circular references.

Dimension Maintenance

Dimensions:

001 Co

002 Div

003 DC/WH

004 SRgn

005 SMkt

006 STerr

007 CClas

008 AGrp

009 CPrtY

010 Rgn

011 SIC

012 CType

013 CPnt

014 SldTo

015 ShpTo

016 SDir

017 RepBr

018 Planr

019 Buyer

020 ComCd

021 PGrp

022 PCatR

023 PCat

Level Number:

014

Seq:

Short Desc:

SldTo

Medium Desc:

Sold-To

Long Desc:

Customer Sold-To

Key Field Length:

10

Master File Security:

☐

Default Value:

?

Planning Default Value:

%

Dimension Group

Deduction Mgmt

e-Business

Manufacturing

Marketing

Organization

Procurement

Product

Online/Current

Previous Levels:

001 Co

002 Div

003 DC/WH

004 SRgn

005 SMkt

006 STerr

007 CClas

008 AGrp

009 CPrtY

010 Rgn

011 SIC

012 CType

013 CPnt

015 ShpTo

016 SDir

017 RepBr

018 Planr

019 Buyer

020 ComCd

021 PGrp

022 PCatR

023 PCat

024 PFam

025 PType

026 PBrnd

027 PClas

028 pshCl

New

Delete

Save

Field Definition

Close

- **Stratum Previous Level Data** – Previous level data defined in Stratum is used to disperse imported data to previous levels not included as part of the import. If previous level data is not found, then the dimension's default value will be used.

Steps For Adding A Category To Stratum

If you need to add a new Category, then add it as you would a Corporate Controlled category:

1. {Optional} Create a new low-level DSL. If one already exists that meets your requirement, then use an existing DSL. From Database Install, select File and select DSL.
2. Add new Structure Code. In Database Install, select Installation and Structure Code. Make sure and select type, enter number of buckets, and select the same dimensions.

Code	Description	Buckets	Type
SP	Spends	64	Weekly-SparsePeriodic
U1	User Budget	12	Periodic
U2	User Forecast	64	Weekly-SparsePeriodic

Structure Code:

Description:

Type: Buckets:

Dimensions:

- 1 Company
- 2 Division
- 3 Distribution Center/Warehouse
- 4 Ship-To Region
- 5 Ship-To Market
- 6 Ship-To Territory
- 7 Customer Class
- 8 Account Group
- 9 Customer Priority
- 10 Region
- 11 Customer SIC Code
- 12 Customer Type
- 13 Customer Parent
- 14 Customer Sold-To
- 15 Customer Ship-To
- 16 Sales Director

Select All

New Delete Save Close

3. Define DSL data tables for new Structure Code. In Database Install/Installation/Define tables, highlight the structure code, enter a year, and scroll to the new DSL. Then select perform. For User Controlled Data, you only need to create the DSL data tables for a single year.
4. Create DSL data tables for new Structure Code. In Database Install/Installation/Create tables, highlight the structure code and select create tables. The job is complete once you see the message "Table Creation Complete for Structure Code."
5. Create Category for new Structure Code. In Administration/File/Categories, select new, enter a 2 digit (numeric/alpha) in Category, select datasource (structure code created in step 2 above), and select the values to be included.

Note: Verify that your category is defined as the only category for its structure code. If it is not, then select a different category or change the definition of the selected category. Unpredictable results may occur when multiple categories exist in a single structure code.

Category Maintenance

Categories:

- U2 User Forecast
- U3 User POS
- U4 UCD 4 Basic Day
- U5 UCD 5 Basic Mn
- V1 Purch Vndr Cnts
- V1CV Purch Vndr CntC

Category Details:

Category: U2 Calculated: ☐ Planning: ☐

Descriptions: U2 User Forecast

User Forecast

Data Source: DSU2 Lowest DSL: 910

Associate Values

Selected Values

- U1 Amt 1
- U2 Amt 2
- U3 Amt 3
- U4 Amt 4
- U5 Unit 1
- U6 Unit 2
- U7 Unit 3
- U8 Unit 4

Seq: 5039

Short Desc: UCD 1

Med Desc: UCD Amt 1

Long Desc: UCD Amt 1

Viewgroup:

Display Mask: Money { \$###,###,###,##0.00 }

New Save Delete Expression Print Print Preview Close

- Attach a corresponding view group to the data source. In Administration/File/Data Source, highlight Datasource (structure code created in step 2 above) and select Viewgroup.

Data Source

Data Source:

- DSSP
- DSU1
- DSU2
- DSU3
- DSU4
- DSU5
- DSV1

Data Source Name: DSU2

Structure Code: User Forecast (U2)

View Group: Weekly

Dimensions:

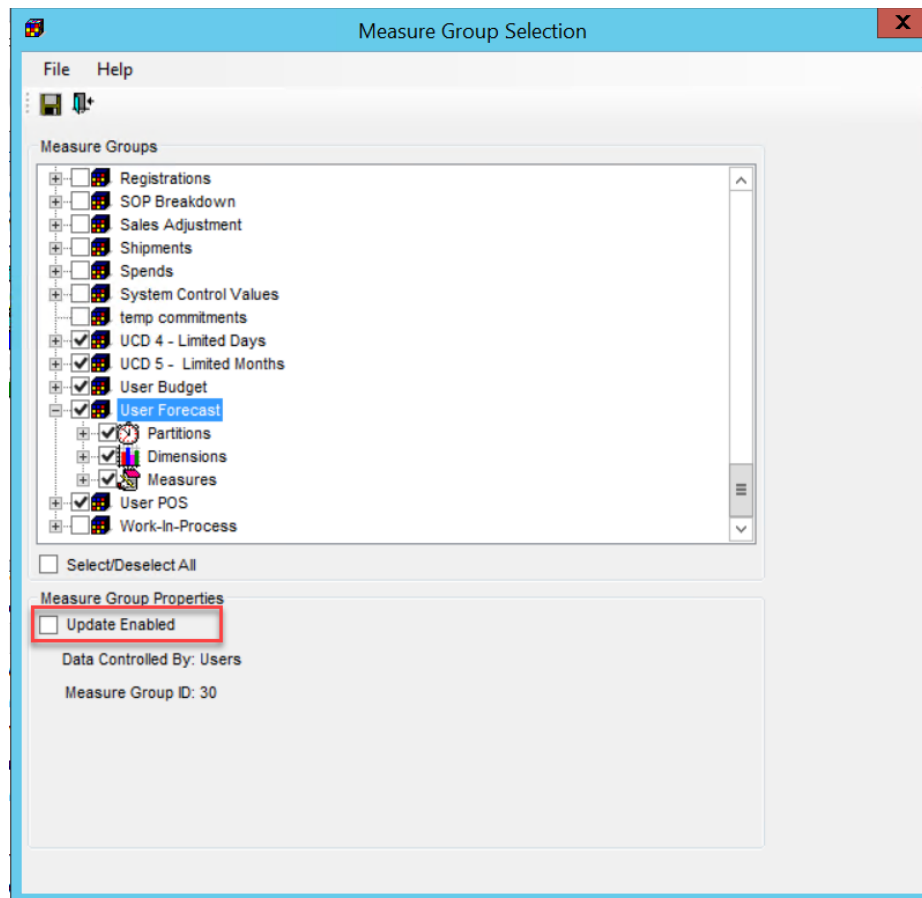
- 001 Company
- 002 Division
- 003 Distribution Center/Warehouse
- 004 Ship-To Region
- 005 Ship-To Market
- 006 Ship-To Territory
- 007 Customer Class
- 008 Account Group
- 009 Customer Priority
- 010 Region
- 011 Customer SIC Code
- 012 Customer Type
- 013 Customer Parent
- 014 Customer Sold-To
- 015 Customer Ship-To
- 016 Sales Director

Categories:

- U2 User Forecast

Save Data Source Tables... Close

- Update/Verify Import Calendar and View buckets mappings.
- In Connector, select the Measure Group for the Category. Then, run a Full Process.



Note: Verify that the Category is not defined as Update Enabled. Planning is not yet supported for User Controlled Categories.
