

# Centage Data Modeler

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**centage**

# Data Modeler

- The data modeler holds to client's structure, actuals and report hierarchies
- The data modeler will sync up to the clients ERP software for consistency across the financial systems and reporting

**centage™ PLANNING MAESTRO™**

## DATA MODELER

Leverage your data for intelligent modeling

**CONNECT**

**Connect to your data**

Select the data you wish to model. Watch Data Modeler present business structures from the latest version of your data.

Select Profile...

[Manage Profiles >](#)

**MODEL**

**Model data the way you view your business**

Split or combine your business structures to assemble dimensions. Define hierarchies to create multiple views of your business.

[Manage Base Structures](#)

[Manage Dimensions](#)

**DEPLOY**

**Deploy data for planning or analysis**

Choose the dimensions to include, select which data to use, then deploy in Planning Maestro or Analytics Maestro.

[Deploy Data Model](#)

# Manage Profile

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Fab ▼ **Connected ▶**

[Manage Profiles >](#)



**FAB Company**

Name  
FAB Company

Description (Optional)  
FAB Company

Source Database Synopsis

Base Structures	Version	Version
Account Group	:	Account Group
Account Number	:	Account Number
Dimension	:	Segment1, Segment2, Segment3

GL Sources  
FAB

Available Data  
Summary : FAB P1 2014 to P12 2018

- The Manage Profiles > icon on the upper left margin will open the profile area
- This is where Centage creates the connection to the ERP software or the GL Source for the CIF file load. This should not be changed after initial set up.

# Connecting to the Profile

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- Manage Base Structures
- Manage Dimensions



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# Model

- The Model section holds the Base Structures and the Dimensions
- Clicking on the icon in the main Data Modeler window or in the upper left margin (that correlates with the icon on the main menu) will lead into the area.
- All report views will be built in the Manage Dimensions area

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# Base Structures




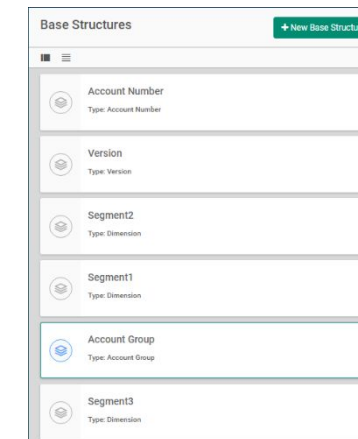
**MODEL**

Model data the way you view your business







Split or combine your business structures to assemble dimensions. Define hierarchies to create multiple views of your business.

 **Manage Base Structures**

 **Manage Dimensions**

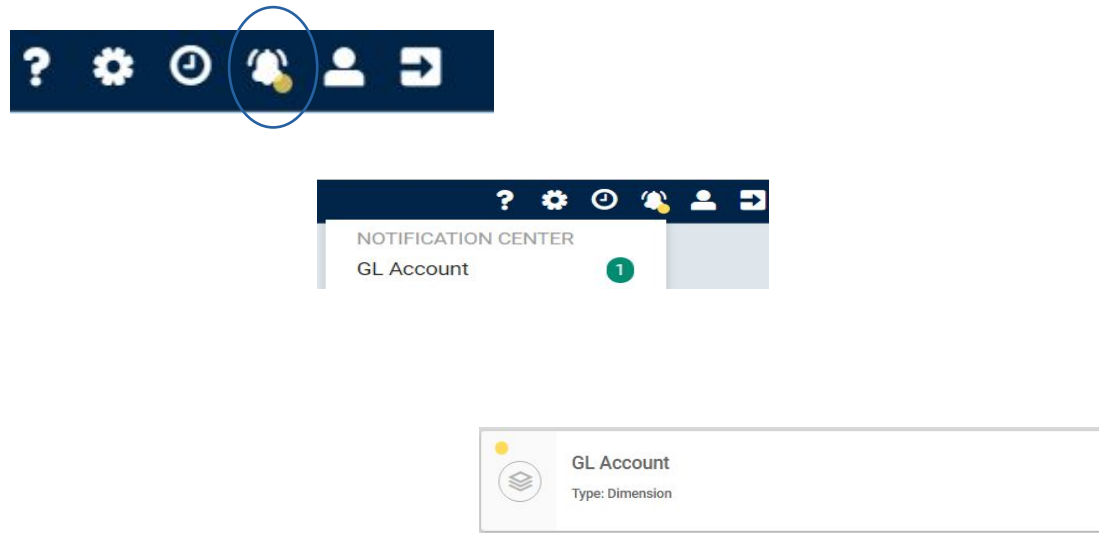



Base Structures + New Base Structure

-  Account Number  
Type: Account Number
-  Version  
Type: Version
-  Segment2  
Type: Dimension
-  Segment1  
Type: Dimension
-  Account Group  
Type: Account Group
-  Segment3  
Type: Dimension

- The Base Structures are the financial dimensions coming into Centage from the ERP software or CIF Files
- Clicking on the icon in the Base Structure window will open the base structures as listed
- The Base Structures should be maintained on the ERP side or CIF File load; the changes will come through to Centage as the file is updated


# Adding a New Structure



- When new data is loaded from the ERP (scheduled or manual) or CIF File, there is a notification icon/light that will appear in the upper right-hand side of the screen if there are new structures.
- If the notification bell is clicked on, the Notification menu will open to show the notification messages
- When in the Base Structure area, the base structures that have new information will be highlighted by a yellow dot in the left-hand margin of the Base Structure menu
- All new structures must be **accepted** into the plan through the Base Structures before being able to use/act on them.
- If the new structure is an Account Number, an **Account Group** must be assigned in the Manage Dimensions.
- All hierarchies will be updated in the Manage Dimensions area of the Data Modeler.

# Aliasing Base Structures

If a structure needs to be renamed or aliased (from the original value), it can be assigned the new value in the Base Structure screen



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Split or combine your business structures to assemble dimensions. Define hierarchies to create multiple views of your business.

**Manage Base Structures**

**Manage Dimensions**



Base Structures + New Base Structure

- Account Number  
Type: Account Number
- Version  
Type: Version
- Segment2  
Type: Dimension
- Segment1  
Type: Dimension
- Account Group  
Type: Account Group
- Segment3  
Type: Dimension



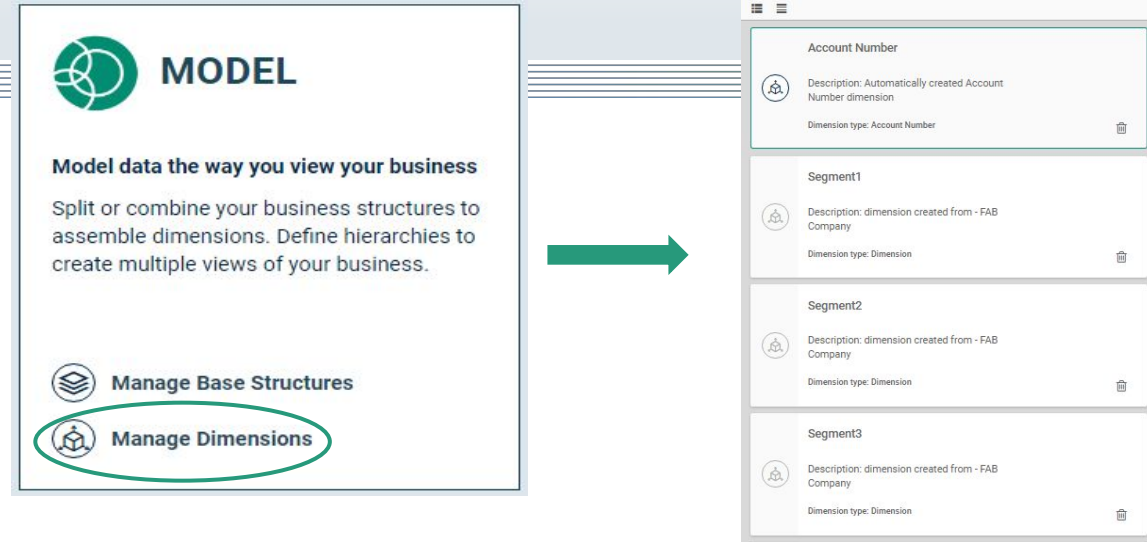
Segment1 Detail View

Import from Excel Export to Excel

#	Name	Description	New Name	New Description	Exclude	Status	GL Status	Action...
1	000	000			<input type="checkbox"/>	Active		
2	100	Administration		Admin	<input type="checkbox"/>	Active		
3	200	Accounting			<input type="checkbox"/>	Active		
4	300	Sales			<input type="checkbox"/>	Active		
5	400	Service/Installation		Installation	<input type="checkbox"/>	Active		
6	500	Consulting/Training			<input type="checkbox"/>	Active		
7	600	Purchasing/Receiving			<input type="checkbox"/>	Active		
8	999	999			<input type="checkbox"/>	Active		



# Manage Dimensions



- The Dimensions are the base structures from the ERP with additional attributes, i.e. Account Groups on Account Numbers
- Clicking on the dimension in the list view window (left side) will open the Dimension listing (right side)
- Each Dimension has an area for Definition, Members, Attributes, Hierarchies and Security
  - Definition; defines what the dimension is
  - Members; is the dimension in list form
  - Attributes; additional property/tag that can be applied to a regular dimension
  - Hierarchies; where all report views or filters are built
  - Security; each dimension can have security parameters that can be applied to users

# Manage Dimensions

**MODEL**

Model data the way you view your business

Split or combine your business structures to assemble dimensions. Define hierarchies to create multiple views of your business.

Manage Base Structures

**Manage Dimensions**



Dimensions + New Dimension

- Account Number
  - Description: Automatically created Account Number dimension
  - Dimension type: Account Number
- Segment1
  - Description: dimension created from - FAB Company
  - Dimension type: Dimension
- Segment2
  - Description: dimension created from - FAB Company
  - Dimension type: Dimension
- Segment3
  - Description: dimension created from - FAB Company
  - Dimension type: Dimension



Account Number

Definition **Members** Attributes Hierarchies Security

+ New Member + New Attribute Import from Excel Export to Excel

- Definition; defines what the dimension is
- Members; is the dimension in list form
- Attributes; additional property/tag that can be applied to a regular dimension
- Hierarchies; where all report views or filters are built
- Security; each dimension can have security parameters that can be applied to users

# Assigning Account Groups in Account Number Dimension

Account Number

Definition Members Attributes Hierarchies Security

+ New Member + New Attribute Import from Excel Export to Excel

Name	Description	Actions...	Exclude	Account Group
000-1100-00	Cash - Operating Account		<input type="checkbox"/>	Cash
000-1101-00	Cash in Bank - Canada		<input type="checkbox"/>	Cash
000-1102-00	Cash in Bank - Australia		<input type="checkbox"/>	
000-1103-00	Cash in Bank - New Zealand		<input type="checkbox"/>	
000-1104-00	Cash in Bank - Germany		<input type="checkbox"/>	
000-1105-00	Cash in Bank - United Kingdom		<input type="checkbox"/>	Asset
000-1106-00	Cash in Bank - South Africa		<input type="checkbox"/>	Accounts Receivable
000-1107-00	Cash in Bank - Singapore		<input type="checkbox"/>	Accumulated Amortization
000-1110-00	Cash - Payroll		<input type="checkbox"/>	Accumulated Depreciation
000-1120-00	Cash - Flex Benefits Program		<input type="checkbox"/>	Allowance for Doubtful Accounts
000-1130-00	Petty Cash		<input type="checkbox"/>	Cash
000-1140-00	Savings		<input type="checkbox"/>	Construction In Process
000-1190-00	Cash Suspense		<input type="checkbox"/>	Deferred Cost
000-1200-00	Accounts Receivable		<input type="checkbox"/>	Intangible Asset
000-1205-00	Sales Discounts Available		<input type="checkbox"/>	Intercompany Accounts Receivable
000-1210-00	Allowance for Doubtful Accounts		<input type="checkbox"/>	Inventories
000-1220-00	Credit Card Receivable		<input type="checkbox"/>	
000-1220-01	Credit Card Receivable-AmericaCharge		<input type="checkbox"/>	
000-1220-02	Credit Card Receivable-Retail		<input type="checkbox"/>	

- Each General Ledger (GL) account must have an associated Account Group attached
- The Account Groups are the financial intelligence of each account within Centage
- The Account Group column has a pre-defined drop-down menu to choose from
- The screen can be exported and imported from excel for ease of use or assignment
- The Account Group assignment will dictate where each GL account will be visible, therefore budgeted in the system
  - i.e. Revenue Account Group is only visible in the Revenue module
- Reports can be run by Account Groups, however Centage allows for custom report builds in the Hierarchy area of Dimension

# What is a Hierarchy?

The screenshot displays the 'Dimensions' panel on the left and the 'Account Number' hierarchy configuration on the right. The 'Dimensions' panel lists several dimensions: Account Number, Segment1, Segment2, Segment3, and Version. The 'Account Number' dimension is selected, and its hierarchies are shown in a table.

Hierarchies	Description	Based On	Default	Actions
search	search	search	all	
Account Group (Master)	Full List of Account Group	Attribute - Account Group		
Account Number (Master)	Full list of Account Number members	Dimension Member - Account Number		
Account Type (Master)	Custom built in hierarchy for Account Type	Attribute - Account Type		
Account Type Group (Master)	Custom built in hierarchy for Account Type Group	Attribute - Account Type Group		
Balance Sheet	Custom built in hierarchy for Balance Sheet	Attribute - Account Group		
Cash Flow (Master)	Custom built in hierarchy for Cash Flow	Attribute - Cash Flow		
FAB Income Statement	FAB Income Statement	Dimension Member - Account Number		
Income Statement	Custom built in hierarchy for Income Statement	Attribute - Account Group		
Indirect Cash Flow	Custom built in hierarchy for Indirect Cash Flow	Attribute - Cash Flow		

- A reporting view and filter that can be built in ANY dimension in Centage
- Hierarchies can assist in grouping together elements of a dimensions for reporting
- Hierarchies translate from Centage to Analytics Maestro
- How to build a Hierarchy [How to Build a Hierarchy](#)

# Where can a Hierarchy be created and used?

- ANY dimension in Centage
- To organize and group lists with in a dimension; Create sub-totals with in a dimensional report
- Account Number hierarchies will create financial reporting, such as P&L and Balance Sheet

The screenshot displays the Centage PLANNING MAESTRO interface. On the left, the 'Dimensions' panel shows a list of dimensions: Account Number, Segment1, Segment2, Segment3, and Version. The 'Account Number' dimension is selected. On the right, the 'Account Number' detail view shows a 'Hierarchies' tab with a table of defined hierarchies.

Hierarchies	Description	Based On	Default	Actions
Account Group (Master)	Full list of Account Group	Attribute - Account Group		
Account Number (Master)	Full list of Account Number members	Dimension Member - Account Number	☑	
Account Type (Master)	Custom built in hierarchy for Account Type	Attribute - Account Type		
Account Type Group (Master)	Custom built in hierarchy for Account Type Group	Attribute - Account Type Group		
Balance Sheet	Custom built in hierarchy for Balance Sheet	Attribute - Account Group		
Cash Flow (Master)	Custom built in hierarchy for Cash Flow	Attribute - Cash Flow		
FAB Income Statement	FAB Income Statement	Dimension Member - Account Number		
Income Statement	Custom built in hierarchy for Income Statement	Attribute - Account Group		
Indirect Cash Flow	Custom built in hierarchy for Indirect Cash Flow	Attribute - Cash Flow		

# To build

Hierarchy ?

+ Add Node  Import from Excel Export to Excel

▼ FAB Income Statement

▼ Net Income

■ Gross Profit

■ Node 3

Name	Gross Profit
Do Not Sum	<input type="checkbox"/>
Sign Display	Reversed ▼
Variance Type	Favorable ▼

- To build the hierarchy folders:
  - While clicked on the Title of the report to the right side of the screen, click the + Add Node button
  - This will add a folder as a child to the report
- To name the folder, click on the ellipsis icon to the far right of the node line
- The folders have a parent/child relationship; they can be moved around and dragged and dropped to reorder if needed
- The sign display can be adjusted for Natural or Reversed based on the line's requirement
  - P&L, any folder that holds Revenue accounts are typically reversed sign displays
  - Balance Sheet, any folder in the Liabilities/Equity are typically reversed sign display

# Load the structures into the appropriate folder

**FAB Income Statement**

Hierarchy Name: FAB Income Statement

Description: FAB Income Statement

Type: Dimension Member

Available Members

Name	Description	Account Group
300-6170-00	Repairs & Maintenance - Sal...	Operating Expenses
300-6180-00	Rent Expense - Sales	Operating Expenses
300-6190-00	Utilities Expense - Sales	Operating Expenses
300-6500-00	Postage/Freight - Sales	Operating Expenses
300-6510-00	Telephone - Sales	Operating Expenses
300-6520-00	Travel - Sales	Operating Expenses
300-6530-00	Meals/Entertainment - Sales	Operating Expenses
300-9010-00	Square Footage-Sales	Operating Expenses
300-9020-00	Employee Count-Sales	Operating Expenses
300-9030-00	Fixed Assets- Computer Ca...	Operating Expenses
999-9999-99	Transfer Suspense Account	Operating Expenses

Hierarchy

+ Add Node

filter tree

Import from Excel

Export to Excel

- FAB Income Statement
  - Net Income
    - Gross Profit
    - Operating Expenses
      - Personnel Costs
      - Utilities/Repair & Maintenance
      - SG&A**
      - Depreciation
      - Insurance
      - Interest
      - Misc. Income/Expense
      - Gain/(Loss) Currency Translation
    - Taxes

- Select the accounts in the “Available Members” area of the screen (can use Shift or Control to choose more than one line);
- Ensure the Folder is highlighted in the report for the destination of the accounts
- Click the Double arrows pointed to the right to move the items

**DEPLOY**

**Deploy data for planning or analysis**

Choose the dimensions to include, select which data to use, then deploy in Planning Maestro or Analytics Maestro.

**Deploy Data Model**

Deploy Data + New Deployment

Fab	<span>Deploy</span>
Fab	

Type: PLAN  
Current Deployment Status: Succeeded

- The plan needs to be deployed to push all Data Modeler data to the balance of the software
- The Actuals can be checked or uncheck prior to deploying
- Once deployed, all structures and reports can be seen in Centage
- If using Analytics, the cube will also need to be deployed

Once the Data Modeler has been built or modified –  
Deploy Plan