

Profitbase AS

Profitbase Planner

Configuration and Operation
Driver based module

Profitbase

24.06.2023

Version 3.4

Content

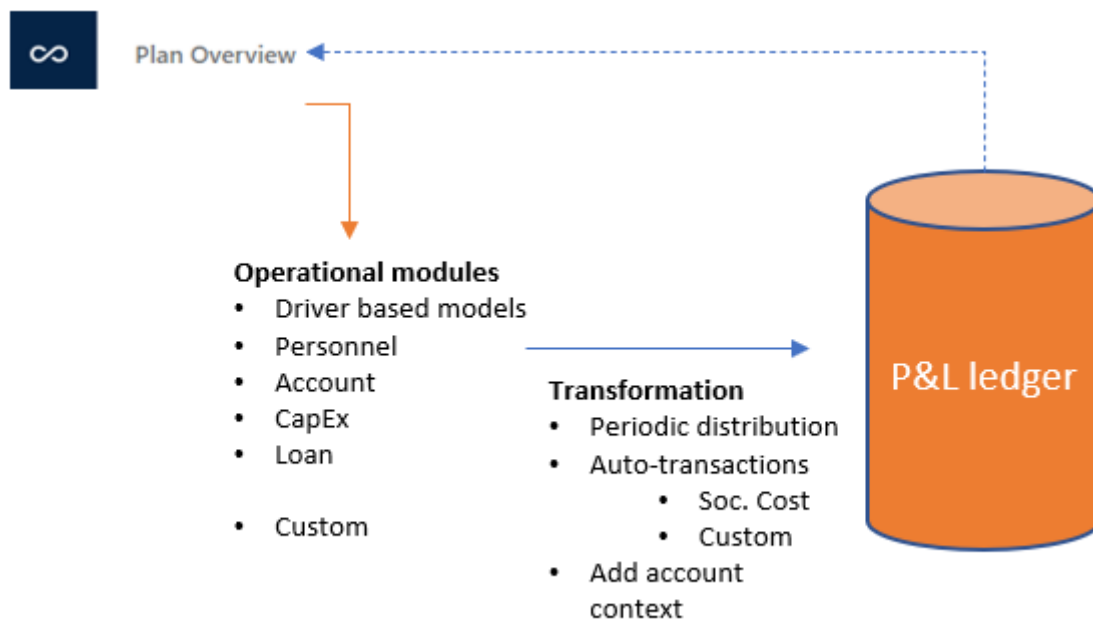
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19.05.2021	2.0	TN	Revised for Planner v5
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1 Abstract, intended audience and pre-requisites

The Profitbase Planner Configuration and Operation series consists of several documents dealing with the configuration and operation of individual Planner modules and functions.

Planner modules are operational input modules that contributors to the plan processes use to prepare the Profit & Loss (P&L) of their respective areas of responsibility. Different modules will typically cover parts of the P&L such as sales, personnel, cost, etc.



The modules are accessed from the Plan overview workbook of a given version and the input provided by the contributors are transformed into P&L transactions and fed back to the Plan overview workbook resulting in a P&L work-in-progress overview.

The intended audience of this document is implementation partners configuring the solution initially and solution administrators responsible for operating it thereafter.

This document assumes that a Profitbase Planner solution has been deployed and that access to this solution is given to the reader.

2 Common functionality

Changes made to input sheets are not saved automatically. To save changes, click the “Save” button. The “Save” button will remain disabled until a change has been made.

To undo all unsaved changes, click the “Refresh” button.

To undo the last of a series of unsaved changes, click the Ctrl and Z keys simultaneously.

To insert new rows to an input sheet, right-click in the sheet and select one of the available options:

- Insert row
- Insert row below
- Insert copy of row

To delete a row from an input sheet, right-click the row in question and select:

- Delete row

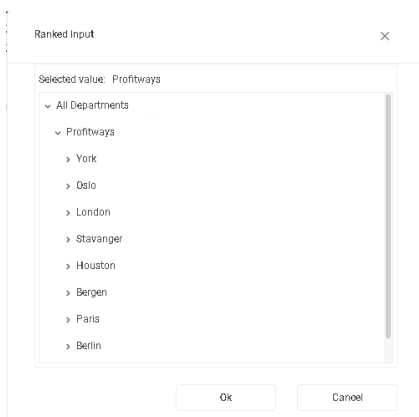
Inserting and deleting rows can be controlled as part of the configuration, see [Control row context menu options \(right-click\)](#).

Please note, that although the row is no longer visible in the input sheet, the change must be committed using the “Save” button or undone using the “Refresh” button.

In input sheets, editable fields are distinguished from non-editable fields by fill color, editable fields have by default a white fill color.

In setting tables, a so-called ranked input concept is often used for the dimensional context. Ranked input allows for a high-level selection of dimensional nodes and gives the opportunity to alter the rank or specificity between rows.

A ranked input cell can be set through the ranked input selector by clicking the cell value (cell will display 3 dots if no value is set):



The ranked input selector will display the dimensional hierarchy and allows for the selection of a high-level dimensional node. The selection of a high-level node implies that the setting applies to all sub-ordinate nodes.

Select node and click “OK”.

Click “Cancel” to leave the selector without selecting.

In a table containing multiple rows, the rank or specificity of individual rows can be altered by moving the row up (decrease specificity) or down (increase specificity) by right-click the row in question and selecting:

- Move up
- Move down

The less specific the setting is, row should be high up in the table. The more specific the setting is, the further down in the table the row should reside.

3 Principle of operation

Driver based models

The driver-based module uses as the name suggests a driver-based principle.

Multiple models consisting of measures may be defined. Common to all models is the definition of one of the measures as the driving measure for that model.

Product sales

Sales main driver

Stavanger (NOK) Sales

	Product	Market	Measure	FctActL12M	Act.YTD 2020	For YTG 2020	2020	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20	Jul 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 20	
1	Total		\$	937	847	955	1 802	120	111	108	123	985				273	307	171	205	
2	Profitways DIVision Core	Norway	Sales qty	\$	652	562	578	1 140	120	111	108	123	100	0	0	0	165	186	103	124
3	Profitways DIVision Core	European Union	Sales qty	\$	23	23	377	400	0	0	0	0	23	0	0	0	108	121	67	81
4	Profitways EDM*	Norway	Sales qty	\$	35	35	0	35	0	0	0	0	35	0	0	0	0	0	0	0
5	Profitways EDM*	European Union	Sales qty	\$	56	56	0	56	0	0	0	0	56	0	0	0	0	0	0	0
6	Profitways OutBack	Norway	Sales qty	\$	78	78	0	78	0	0	0	0	78	0	0	0	0	0	0	0
7	Profitways OutBack	European Union	Sales qty	\$	89	89	0	89	0	0	0	0	89	0	0	0	0	0	0	0
8	Profitways OutBack	U.S.A.	Sales qty	\$	4	4	0	4	0	0	0	0	4	0	0	0	0	0	0	0

Examples of driving measures may be Sales quantity, Sales volume, FTE (Full Time Equivalents) and so on.

Click the \$ icon to view the P&L transactions generated from the row in question.

Additional measures make up the detail model and may take direct input, be lookups to assumptions and calculations of other measures.

Click the icon for the row in question to view the detailed model.

Measures will render as rows of the model, for example:

Product sales

Stavanger (NOK) Sales

Details

Profitways DIVision Core - European Union - Project A - Consolidation sales effort

Measure	Act LY	Actuals L12M	Act.YTD 2021	Plan YTG 2021	2021	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	Comment
1																		
2	Sales qty	0	0	0	1 000	1 000	200	175	150	125	100	75	50	25	25	25	25	
3	Sales price	0	0	0	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	
4	Increasing freight per unit	0	0	0	8 000.00	8 000.00	8 000.00	8 000.00	8 000.00	8 000.00	8 000.00	8 000.00	8 000.00	8 000.00	8 000.00	8 000.00	8 000.00	
5	Incoming Freight	0	0	0	8 000 000	8 000 000	1 600 000	1 400 000	1 200 000	1 000 000	800 000	600 000	400 000	200 000	200 000	200 000	200 000	
6	Commission %	0	0	0	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	
7	Commission	0	0	0	1 900 000	1 900 000	380 000	332 500	285 000	237 500	190 000	142 500	95 000	47 500	47 500	47 500	47 500	
8	Sales income	0	0	0	183 900 000	183 900 000	36 780 000	32 182 500	27 585 000	22 987 500	18 390 000	13 792 500	9 195 000	4 597 500	4 597 500	4 597 500	4 597 500	
9	Cogs %	0	0	0	67.0 %	67.0 %	67.0 %	67.0 %	67.0 %	67.0 %	67.0 %	67.0 %	67.0 %	67.0 %	67.0 %	67.0 %	67.0 %	
10	Cogs	0	0	0	123 213 000	123 213 000	24 642 600	21 962 275	18 481 950	15 401 625	12 321 300	9 240 975	6 160 650	3 080 325	3 080 325	3 080 325	3 080 325	
11	Outgoing Freight	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	Discount %	0	0	0	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	
13	Discount	0	0	0	-3 800 000	-3 800 000	-760 000	-665 000	-570 000	-475 000	-380 000	-285 000	-190 000	-95 000	-95 000	-95 000	-95 000	
14	Gross margin	0	0	0	56 887 000	56 887 000	11 377 400	9 955 225	8 533 050	7 110 875	5 688 700	4 266 525	2 844 350	1 422 175	1 422 175	1 422 175	1 422 175	
2	3015 - Income Accessories				198 612 000	39 722 400	34 757 100	29 791 000	24 826 500	19 861 200	14 895 900	9 930 600	4 965 300	4 965 300	4 965 300	4 965 300		
3	3075 - Rebilled advertising expenses				2 052 000	410 400	359 100	307 800	256 300	205 200	153 900	102 600	51 300	51 300	51 300	51 300		

For details on how to set up a model, refer to [Define models](#).

Measures to which a **distribution function** is associated is identified by the  icon.

Note that it is possible to click the icon to view the distribution and any default distribution if it exists.

Distribution key														
Sales qty (Profitways DIVision Core - Norway)														
Default value														
Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21			
6.7 %	6.7 %	8.3 %	10.0 %	10.0 %	8.3 %	8.3 %	8.3 %	8.3 %	8.3 %	8.3 %	8.3 %			
Effective value														
Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	Source		
6.7 %	6.7 %	8.3 %	10.0 %	10.0 %	8.3 %	8.3 %	8.3 %	8.3 %	8.3 %	8.3 %	8.3 %	Default		
													Use default	Close

A year-total input is automatically spread to the plan months of that particular year. The total is spread according to the monthly distribution function tied to the product and market as follows:


- If a specific monthly input has been made by the user, the distribution inherent in the monthly values is used as a distribution key.
- If not, then if a central distribution key is tied to the account, this distribution will be used
- If none of the above applies, the total is spread evenly over the plan months

Please refer to [Distribution keys](#) for details on distribution keys.

Measures that are **lookup to assumptions** are identified by the  icon.

Note that it is possible to click the icon to view the assumption values and to override the assumption values and reset to the default if overridden if the model allows.

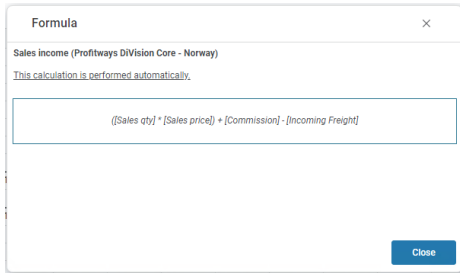
Assumption															
Sales price (Profitways DIVision Core - Norway)															
Default value															
2021	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21			
190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000			
Effective value															
2021	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	Source		
190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	190 000	Default		
													Override	Use default	Close


An overridden assumption is marked by a blue left border indication: 

Please refer to [Assumptions](#) for details on assumptions.

Measures that are **calculations** are identified by the  icon.

Note that it is possible to click the icon to reveal the formula and a formula description if set:



A formula that is not executed automatically but requires the click on the “Recalculate” button is marked with a red left border indication: 

Please refer to [Define calculations](#) for details on calculations.

Dimensionality

The basic dimensionality of the driver based module is department, product, and market. Extra dimensionality may be added:

- Supplier
- Project
- Activity
- Counterpart
- Dimensions Dim1 to Dim4

For details on defining dimensionality, refer to [Define dimensionality](#).

Historical references

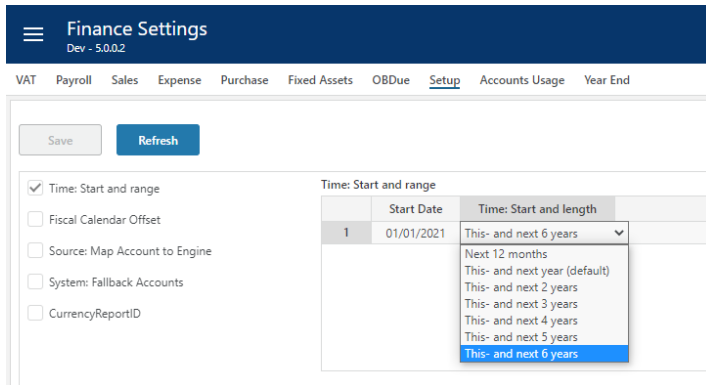
The models are preset with the last 12 months of actuals.

In addition to the above, up to 5 historic reference columns may be added as needed.

For details on defining historical reference columns, refer to [Define historical reference columns](#).

Planning horizon

The planning time horizon is controlled in the Finance Settings workbook:



This time horizon applies to all input modules.

Long-term planning (beyond this year and next year) allows for a year-total input only. When saving the plan, the long-term year-totals are automatically distributed to months using the distribution that is relevant to the next year's plan for the corresponding dimensionality.

Note that there is also a period filter setting that you may want to consider if you change the plan horizon. The period filter setting control which period filter will be available and which one will be the default, please refer to [Period filters](#).

Plan roll forward actions

Source data

The input module will be updated with source data when rolling forward.

Any new combinations that exist in the driver source fact data will automatically be processed into the input module and their last 12 months actuals updated.

Please refer to [Data management](#) for details.

Long term plan

If long-term planning is done, the year-total for next-year+1 will be distributed to monthly values using next-year's distribution when rolling over to a new year.

4 Model configuration

Driver based models are configured in the "Driver based modelling" workbook and the "Models" page.

Forecast • Planner DEVELOPMENT 5.4.1 | Driver based modelling profitbase

Measure

Save Refresh New... Open Edit... Apply... Process Delete... Check calc. Published

Search
Product sales
Consulting

(ForecastSalesWorkbook) - Product sales

Input model Assumptions Output Advanced - engine interface

Measure	Description	Driver	Input	Assumption	Calc.	Set	Calc. order	Total across periods	Rollup	Format	Style	Sorting	Set plan proposal	Comment	Ext. file
1	SalesQty	Sales qty	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		10	no		
2	SalesUnitPrice	Sales price	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Number, no decimals		20			
3	FreightInPerUnit	Incoming freight per unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Number, 2 decimals		30			
4	FreightIn	Incoming freight	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals		31			
5	CommissionPct	Commission %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		32			
6	Commission	Commission	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals		34			
7	Sales	Sales income	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals	BookOverline	38			
8	CostOfGoodsSoldPct	Cost %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		40			
9	CostOfGoodsSold	Cost	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals	BookOverline	50			
10	FreightOut	Outgoing freight	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		60	no		
11	SalesDiscountPct	Discount %	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		65			
12	SalesDiscount	Discount	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals		66			
13	GrossMargin	Gross margin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals	BookOverline	70			

Dimensions

Dimension/Column	Visible	Mandatory	Visible as filter	Filter selection mandatory
1	ActivityID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	CPRangeID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Dim1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Dim2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Dim3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Dim4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	MarketID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8	ProductID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Column selection

Column Name	Description	Visible	Comments
1	L1QM	Actual L1QM	
2	YTD	Act. YTD	
3	MDR	Plan YTD	

Deviation columns

Column Name	Description	Formula	Visible drivers	Format drivers	Visible details	Format details	Comment
1	Deviation1	Test1	[TY]2	<input type="checkbox"/>	Number, 1 decimal	<input type="checkbox"/>	Number, 1 decimal
2	Deviation2	Test2	[TY]2	<input type="checkbox"/>	Number, 1 decimal	<input type="checkbox"/>	Number, 1 decimal

Hit ref. columns

Column Name	Dataset ID	From Date	To Date	Description	Description EN	Description NO	Visible	
1	Historic1	Actual	01/01/2022	12/31/2022	Actual LY	Actual LY	Fak. i for	<input checked="" type="checkbox"/>

Multiple input models can be created and published to users. Select a model in the filter-list on the far left to activate buttons and display content.

Input models

Select the "Input model" tab.

Forecast • Planner DEVELOPMENT 5.4.1 | Driver based modelling

Models Measure

Save Refresh New... Open Edit... Apply... Process Delete... Check calc. Published

Search
Product sales
Consulting

(ForecastSalesWorkbook) - Product sales

Input model Assumptions Output Advanced - engine interface

Measure	Measure	Description	Driver	Input	Assumption	Calc.	Set	Calc. order	Total across
1	SalesQty	Sales qty	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum
2	SalesUnitPrice	Sales price	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average
3	FreightInPerUnit	Incoming freight per unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average
4	FreightIn	Incoming freight	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum
5	CommissionPct	Commission %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average

Create a new input model

To create a new model, click the "New ..." button.

In the following dialogue, enter a model id and a model default name.

New ✕

Create new model

ID (a-z, 0-9) Name

Copy from existing model

Copy model and settings Copy data

If relevant, select an existing model to copy from and select whether to copy only the model and settings or the input data as well.

Click “Confirm”.

The new model is created and displays in the filter list at the far left.

[Process an input model](#)

Processing a model will re-generate any P&L transactions from the model. This should be done if changes have been made to the model, its assumptions or output processing definitions such as account mapping.

Processing is done by clicking the “Process” button.

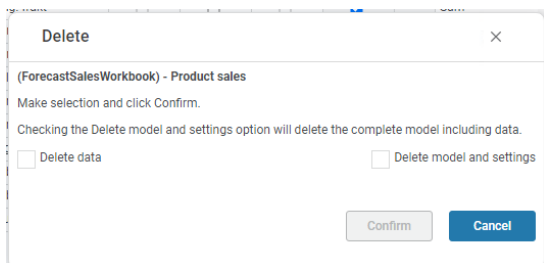
Note that processing is a potentially time-consuming operation depending on the amount of input data associated with the model.

[Delete an existing input model](#)

An input model can be deleted by clicking the “Delete ...” button.

In the following dialogue, select from the following options:

- “Delete data” - deletes any input data associated with the model
- “Delete model and settings” – deletes the complete model, its settings, and any associated input data.



Note that deleting a model is a potentially time-consuming operation depending on the amount of input data associated with the model and the model will be processed to delete any associated P&L transactions.

[Publish an input model](#)

To publish a model, check the “Published” checkbox and click the “Save” button.

Conversely, to set a model offline, uncheck the “Published” checkbox and click the “Save” button.

A model that is not published, will not be editable by users accessing the model from the “Plan Overview” workbook.

Product sales
Dev - 5.0.0.2

Drivers

Department

0

Period Measure

< Back Save Refresh Periods

The model is not accessible or does not exist!

It is, however, possible to open an unpublished model from the “Open” button:

Forecast • Planner DEVELOPMENT 5.4.1 | Driver based modelling

Models Measure

Save Refresh New... **Open** Edit... Apply... Process Delete... Check calc. Published

(ForecastSalesWorkbook) - Product sales

Search

Product sales

Input model Assumptions Output Advanced - engine interface

Edit input model properties

Select the model to edit in the filter list at the far left.

The input models are defined in the following screen:

Budget • 2022 | Driver based modelling

Models Measure

Save Refresh **Open** Apply... Process Delete... Check calc.

Search

Product sales

Consulting

(ForecastSalesWorkbook) - Product sales

Input model Assumptions Output Advanced - engine interface

Measure	Measure	Description	Description EN	Description MD	Driver	Input	Assumption	Calc	Set	Calc. order	Total across periods	Rollup	Format	Style	Sorting	Set plus proposal	Comment	Build from items	Hot text source
1	SalesQty	Sales qty	Sales qty	Ahead single entries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		10			<input type="checkbox"/>	
2	SalesPrice	Sales price	Sales price	Estimate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average	Average	Number, no decimals		20			<input type="checkbox"/>	
3	FreightPerUnit	Incoming freight per unit	Incoming freight per unit	Ung. freight per unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average	Average	Number, 2 decimals		30			<input type="checkbox"/>	
4	Freight	Incoming freight	Incoming freight	Ung. freight	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		40			<input type="checkbox"/>	
5	Commission%	Commission %	Commission %	Commission %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		50			<input type="checkbox"/>	
6	Commission	Commission	Commission	Commission	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		55			<input type="checkbox"/>	
7	Sales	Sales revenue	Sales revenue	Estimate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		60			<input type="checkbox"/>	
8	CostOfGoodsSold%	Cost %	Cost %	Variable %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		65			<input type="checkbox"/>	
9	CostOfGoodsSold	Cost	Cost	Variable	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		70			<input type="checkbox"/>	
10	FreightOut	Outgoing freight	Outgoing freight	Ung. freight	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		80			<input type="checkbox"/>	
11	SalesDiscount%	Discount %	Discount %	Robot %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		85			<input type="checkbox"/>	
12	SalesDiscount	Discount	Discount	Robot	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		90			<input type="checkbox"/>	
13	GrossMargin	Gross margin	Gross margin	Businessplan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		95			<input type="checkbox"/>	

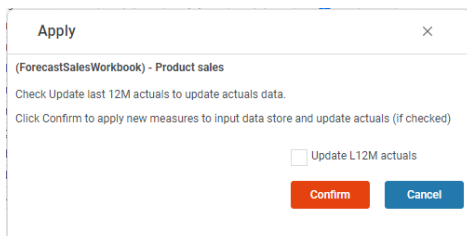
Column	Description
Measure	The MeasureID. Mandatory. Select from list. For details on adding a new measure, refer to Define measures .
Description	The measure's default description. Translations can be added in the Translations tab.
Driver	The measure is the driver (checked). Note that while a single driver per model is most common, more than one measure per model can actually be a driver.
Input	The measure is open for input (checked) or not (unchecked). Note that if the measure is also a lookup (checked), the measure will not be open for input until the user has chosen to override the default lookup assumption value.
Lookup	The measure attains its value from a lookup assumption. For details on maintain assumption settings, refer to Assumptions . Note that if the measure is also open for input (checked), the user will have the opportunity to override the default lookup assumption value. A lookup measure will be read-only if not open for input.
Calc	Read-only indicator that the measure is calculated (checked) or not (unchecked). A measure that is a calculation is read-only. Note that calculations are performed in the sequence indicated by the Sorting column.
Calc. order	For back-end (sql) calculations, the default order of calculation is the sorting, i.e. that it is assumed that no measure with a low sorting rely on a calculation with a higher sorting (further down in the model). If this is not the case, the Calc order may be used to override this sequence.
Set	Action link that open a calculation pop-up in which calculation formulae and optional verbal calculation explanations are maintained. For details on defining calculations, refer to Define calculations .
Total across periods	Defines how year-totals are calculated from the monthly values (Sum Average). Select from list. Note that the average is an arithmetic average.
Rollup	Defines how the measure is to be rolled up to aggregate organizational levels (Sum Average). Select from list. Note that the average is an arithmetic average.

Format	The number display format. Select from list.
Style	The style of the measure row. Select from list.
Sorting	Sort sequence. Controls the display order and also the default calculation sequence.
Comment	Optional comment.
Excl. from trans.	Input models are diverse and often contain measures that are not relevant as transactions, for example pure visual calculations. To avoid irrelevant measures from being processed as transactions, check the “Excl. from trans.” Column for the measures in question.
Hist. fact source	Displays the source of the historic facts for the measure. Default is empty meaning it is manually input in the Source data workbook. Alternatively: <ul style="list-style-type: none"> - Driver based external fact (imported from external source) - General ledger external fact (based on a selection of ledger data) - Actualized driver based plan data (based on plan input for periods that are actualized as the plan rolls forward) <p>The Hist. fact source for a measure is defined in the Measures tab (see Define measures).</p>
Ovr. Calc. hist. cols.	Historic reference columns are by default calculated based on periodic values. If for example the periodic values are percentages, this may not be desirable. An override calculation may be provided if this is the case.

To delete a measure from a model, right-click the measure and select one of the options:

- Delete from data – the measure will remain in the model, but any input data associated with it will be deleted.
- Delete from model (incl data) – the measure is deleted from the model and so is the input data associated with it.

Unless the changes made are minor (change style or format), the model changes should be applied. This is done by clicking the “Apply ...” button that will reveal a dialogue in which one can opt for updating any historical reference content by checking the “Update L12M actuals”:



If the changes made also will reflect on the P&L transactions produced, the model should also be processed. This is done by clicking the “Process ...” button.

Define calculations

Access the calculation pop-up by clicking the “Set” action link for a measure in the input model setup to reveal the following dialogue:

There are two types of calculations:

- Cell-calculations: simple arithmetic calculations (+ - * /) between measures of a model. These calculations are performed automatically, as-you-type, when editing data in the input model.

Note that when defining the cell-calculation formula, the measures are defined by the measure id enclosed in square brackets, for example [SalesQty] * [SalesUnitPrice].

- Button-click calculations: more complex calculations involving for example conditionals. Such calculations are defined as sql statements and will not calculate automatically, as-you-type, when editing data in the input model. These calculations will require the click of a button to execute, specifically the “Recalculate” button.
 - o For button-click calculations it is possible to set a periodic offset on the calculation, for example if measure a for a period should be calculated based on measures b and c for an offset period (+ or -). This offset can extend to the last 12 month actual periods.

Note that the entire calculation will be performed based on values on the relevant offset period. So for example if the offset was -1, the calculated value for measure a for period 2 will be based on measures b and c for period (2-1) = 1.

A measure defined to be a button-click calculation can also be hidden by un-ticking the Visible check-box.

In the calculation dialogue, one can also enter more elaborate descriptions using the “Calculation description” fields.

Note that the calculations that are button-click, are indicated with a red left border and that the calculation formula (cell-calculation only) and calculation description will be displayed when clicking the calculation symbol.

The screenshot shows a 'Sales details' window with a table of financial metrics. A 'Formula' dialog box is open over the 'Commission' row (row 7). The dialog displays the formula: $(Sales\ qty * [Sales\ price] * [Commission\ %])$. The table data is as follows:

Measure	Fct.Act.12M	Act.YTD 2020	Fct.YTD 2020	2020	Jan 20	20	Nov 20	Dec 20	Comment	
Sales qty	#	652	562	578	1 140	123	186	103	124	
Sales price	€	0	0	185 000	185 000	0	0 000	190 000	190 000	
Incoming freight per unit	€	0	0	0	0	0	0	0	0	
Incoming Freight	€	0	0	0	0	0	0	0	0	
Commission %	€	0	0	1.0 %	1.0 %	0	1.0 %	1.0 %	1.0 %	
Commission	€	0	0	1 063 107	1 063 107	0	8 414	196 107	235 329	
Sales income	€	0	0	107 373 821	107 373 821	0	9 843	19 806 821	23 768 186	
Costs %	€	0	0	67.0 %	67.0 %	0	67.0 %	67.0 %	67.0 %	
Costs	€	0	0	71 949 460	71 949 460	0	6 615	13 270 570	15 924 684	
Outgoing Freight	#	0	0	0	0	0	0	0	0	
Discount %	€	0	0	2.0 %	2.0 %	0	2.0 %	2.0 %	2.0 %	
Discount	€	0	0	-2 126 214	-2 126 214	0	-8 829	-392 214	-470 657	
Gross margin	€	0	0	33 307 147	33 307 147	0	9 313 066	10 477 200	6 144 037	7 372 844

Make sure to validate that the calculations used actually work before publishing the model. This can be done using the “Check calc.” button:

The screenshot shows the 'Driver based modelling' interface with a 'Check calc.' button highlighted in yellow. The interface includes a header with a hamburger menu, the title 'Driver based modelling', and a version number 'Dev - 5.0.0.2'. Below the header are tabs for 'Models', 'Measure', 'Measure fact data', and 'Dimension data'. A row of buttons includes 'Save', 'Refresh', 'New...', 'Open', 'Apply...', 'Process', 'Delete...', and 'Check calc.'.

Any errors will be reported and must be corrected. The following shows a no-errors situation:

The screenshot shows a 'Validation results' dialog box with the text 'No errors found' highlighted in yellow. The dialog also contains a placeholder for an 'Error Message'.

Define dimensionality

The dimensionality of a model is defined in the following table:

Models Measure

Save Refresh New... Open Edit... Apply... Process Delete... Check calc. Published

(ForecastSalesWorkbook) - Product sales

Input model Assumptions Output Advanced - engine interface

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Measure

	Measure	Description	Driver	Input	Assumption	Calc.	Set	Calc. order	Total across
1	SalesQty	Sales qty	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum
2	SalesUnitPrice	Sales price	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average
3	FreightInPerUnit	Incoming freight per unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average
4	FreightIn	Incoming Freight	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum
5	CommissionPct	Commission %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average
6	Commission	Commission	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum
7	Sales	Sales Income	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum
8	CostOfGoodsSoldPct	Cogs %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average
9	CostOfGoodsSold	Cogs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum
10	FreightOut	Outgoing Freight	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum
11	SalesDiscountPct	Discount %	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average
12	SalesDiscount	Discount	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum
13	GrossMargin	Gross margin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum

Dimensions

	DimensionColumn	Visible	Mandatory	Visible as filter	Filter selection mandatory
1	ActivityID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	CPLegalEntityID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Dim1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Dim2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Dim3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Dim4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	MarketID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	ProductID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The Department dimension is always mandatory whereas the Product and Market dimensions are default and normally mandatory in any model. Product and/or Market can, however, be omitted.

Column	Description
DimensionColumn	The dimension column id. Preset.
Visible	Indicates whether dimension is visible (checked) or not (unchecked) in the input sheet of the model.
Mandatory	Indicates whether user must select a value from the dimension drop down when adding a row (checked) or not (unchecked) to the input sheet of the model.
Visible as filter	Some of the dimensions are available for selection as input filters (slicers). Indicates whether dimension is also an input filter (checked) or not (unchecked).
Filter selection mandatory	Indicates whether it is mandatory to set a value for the filter (checked) or not (unchecked)
Comment	Optional comment

The dimensions are shared between models. If a dimension drop-down list of a certain model should not display a certain member, it can be excluded for that model by clicking the action link in the "DimensionColumn" column to reveal the following dialogue:

Dimension item exclusion

(Sales2) - Consulting - ProductID

	Dimension item to exclude
1	Profitways DIVision Core
2	Profitways EDM ³
3	Profitways OutBack

Save Close

Add dimension members to excluded and click the “Save” button.

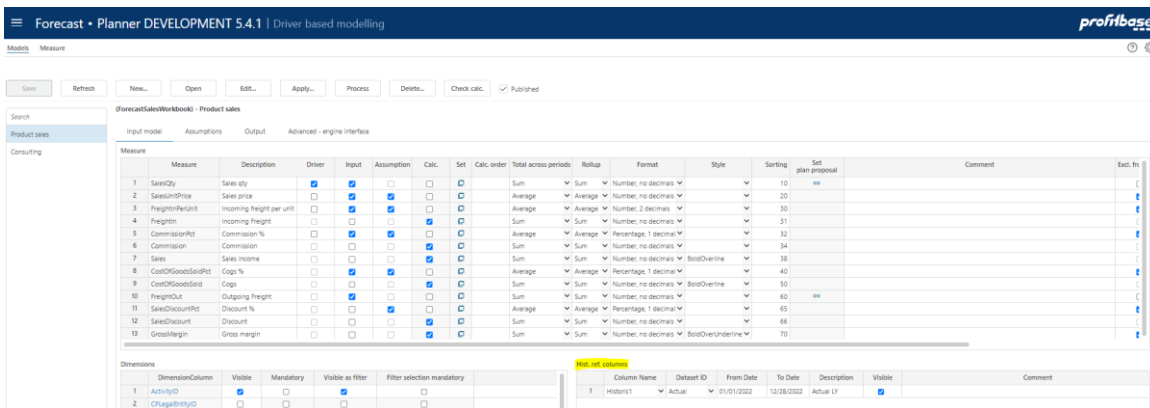
For details on dimension management, please refer to [Data management](#).

Note on CPLegalEntityID (counterparty): this dimension is available in all modules, but it is only the Sales (IC) and Loans (IC) financial engines that creates counter transactions. Providing counterparty information to transactions that are not handled by the mentioned financial engines will NOT have it’s counter transactions automatically posted. Hence, when enabling this dimension, make sure that is understood by the client. Accounts piped through the Sales (IC) engine are set up in the Finance Settings workbook and the Account to engine mapping configuration.

Define historical reference columns

The last 12 months of actuals will be included for measures where historical data exists.

There is a preset number of historical reference columns to choose from. The historic reference columns of a model is defined in the following table:



Column	Description
Column Name	The internal historical reference column id, Historic1, Historic2, Historic3, Historic4 and Historic5. Select from the drop-down list.
DatasetID	The dataset origin for the historical reference data. Select from the drop-down list.
From Date	The start date for the historical reference data
To Date	The end date for the historical reference data
Description	The column default name. Translations can be added in the Translations tab.
Visible	Indicates that the column is visible in the input sheet for the model or not (checked unchecked)

For maintaining source fact data, please refer to [Data management](#).

Define deviation columns

There is a preset number of deviation (calculated) columns to choose from. The deviation columns of a model is defined in the following table:

Forecast • Planner DEVELOPMENT 5.4.1 | Driver based modelling profitbase

Models Measure

Save Refresh New... Open Edit... Apply... Process Delete... Check calc. Published

Search

Product sales

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ForecastSalesWorkbook - Product sales

Input model Assumptions Output Advanced - engine interface

Measure	Description	Driver	Input	Assumption	Calc.	Set	Calc. order	Total across periods	Rollup	Format	Style	Sorting	Set plus proposal	Comment	Exc. fr
1	SalesQty	Sales qty	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		10	<input type="checkbox"/>		
2	SalesUnitPrice	Sales price	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average	Average	Number, no decimals		20	<input type="checkbox"/>		
3	FreightInPerUnit	Incoming freight per unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average	Average	Number, 2 decimals		30	<input type="checkbox"/>		
4	FreightIn	Incoming Freight	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		31	<input type="checkbox"/>		
5	CommissionRate	Commission %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		32	<input type="checkbox"/>		
6	Commission	Commission	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		34	<input type="checkbox"/>		
7	Sales	Sales income	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals	BooOverline	38	<input type="checkbox"/>		
8	CostOfGoodsSoldPerUnit	Cost %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		40	<input type="checkbox"/>		
9	CostOfGoodsSold	Cost	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals	BooOverline	50	<input type="checkbox"/>		
10	FreightOut	Outgoing Freight	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		60	<input checked="" type="checkbox"/>		
11	SalesDiscountRate	Discount %	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		65	<input type="checkbox"/>		
12	SalesDiscount	Discount	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals		66	<input type="checkbox"/>		
13	GrossMargin	Gross margin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals	BooOverUnderline	70	<input type="checkbox"/>		

Dimensions

DimensionColumn	Visible	Mandatory	Visible as filter	Filter selection mandatory
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Column selection

Column Name	Description	Visible	Comments
1	L12M Actuals L12M	<input type="checkbox"/>	
2	YTD Act. YTD	<input type="checkbox"/>	

Hit ref columns

Column Name	Dataset ID	From Date	To Date	Description	Visible	Comment
1	Historic1	01/01/2022	12/31/2022	Actual LY	<input checked="" type="checkbox"/>	

Deviation columns

Column Name	Description	Formula	Visible drivers	Format drivers	Visible details	Format details	Comment
1	Deviation1	Test1	<input type="checkbox"/>	Number, 1 decimal	<input type="checkbox"/>	Number, 1 decimal	
2	Deviation2	Test2	<input type="checkbox"/>	Number, 1 decimal	<input type="checkbox"/>	Number, 1 decimal	

Column	Description
Column Name	The internal deviation column id, Deviation1, Deviation2.
Formula	See * below
ColumnName_Description	The column's default name. Translations can be added in the Translations tab.
Visible drivers	Indicates that the column is visible in the driver page or not (checked unchecked)
Format drivers	The number format that the calculated deviation will display in the driver page, select from drop down list.
Visible details	Indicates that the column is visible in the driver details (pop up) page or not (checked unchecked)
Format details	The number format that the calculated deviation will display in the details (pop up), select from drop down list.

*

There are several internal columnids that can be referenced in the formulae:

- **Historic1** to **Historic5** – historic reference columns, requires that historic reference columns are configured.
- **YTD** – Year to date (Actuals)
- **ROY** – Rest of year plan (rest of first plan year, that is from plan start to the end of first plan year)
- **TY** – This year (first full plan year, comprised of YTD actuals and ROY plan)
- **NY** – Next year plan (second full plan year)
- **L12M** – Last 12 months (Actuals)
- **N12M** – Next 12 months plan (first 12 months of plan)
- **NYPlus1** – Third full plan year, requires that long term planning is used.
- **NYPlus2** – Fourth full plan year, requires that long term planning is used.
- **NYPlus3** – Fifth full plan year, requires that long term planning is used.
- **NYPlus4** – Sixth full plan year, requires that long term planning is used.
- **NYPlus5** – Seventh full plan year, requires that long term planning is used.

Please note that the internal columnids should be enclosed in [] and that + (plus), - (minus), * (multiplication) and / (division) mathematical operators can be used, for example:

- [NY] – [TY]

If, for example the deviation column is to show This year's budget – Last year's budget, and the two are stored in columns Historic1 and Historic2 respectively, the formula would be:

- [Historic1] – [Historic2]

Select / unselect optional columns

A set of columns are optional related to actuals last 12 months, year to date and plan rest of year. The columns can be named (default name, see [Translations](#) for translations) and selected / unselected individually per model:

The screenshot shows the 'Measure' configuration interface for 'Product sales'. It includes a table of measures with columns for Measure, Description, Driver, Input, Assumption, Calc., Set, Calc. order, Total across periods, Rollup, Format, Style, Sorting, Set plan proposal, Comment, and Ext. No. Below this are sections for 'Dimensions' and 'Columns selection'.

Measure	Description	Driver	Input	Assumption	Calc.	Set	Calc. order	Total across periods	Rollup	Format	Style	Sorting	Set plan proposal	Comment	Ext. No.
1	SalesQty	Sales qty	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		10	<input type="checkbox"/>		
2	SalesUnitPrice	Sales price	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Number, no decimals		20	<input type="checkbox"/>		
3	FreightInPerUnit	Incoming freight per unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Number, 2 decimals		30	<input type="checkbox"/>		
4	FreightIn	Incoming Freight	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		31	<input type="checkbox"/>		
5	CommissionPct	Commission %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		32	<input type="checkbox"/>		
6	Commission	Commission	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		34	<input type="checkbox"/>		
7	Sales	Sales income	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals	Bold/Outline	38	<input type="checkbox"/>		
8	CostOfGoodsSoldPct	Cogs %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		40	<input type="checkbox"/>		
9	CostOfGoodsSold	Cogs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals	Bold/Outline	50	<input type="checkbox"/>		
10	FreightOut	Outgoing Freight	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		60	<input checked="" type="checkbox"/>		
11	SalesDiscountPct	Discount %	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Average	Average	Percentage, 1 decimal		65	<input type="checkbox"/>		
12	SalesDiscount	Discount	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals		66	<input type="checkbox"/>		
13	GrossMargin	Gross margin	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Sum	Sum	Number, no decimals	Bold/Outline	70	<input type="checkbox"/>		

Translations

Translations are added in the Translations tab of the Input Settings and Administration workbook.

The screenshot shows the 'Translations' tab in the 'Input Settings and Administration' workbook. It features a table with columns for ModuleExtensionID, ItemID, LangID, and LangText. The 'ItemID' column contains various measures and deviation items.

ModuleExtensionID	ItemID	LangID	LangText
1	Product sales Commission	English	Commission
2	Product sales CommissionPct	English	Commission %
3	Product sales CostOfGoodsSold	English	Cogs
4	Product sales CostOfGoodsSoldPct	English	Cogs %
5	Product sales Deviation1	English	Test1
6	Product sales Deviation2	English	Test2
7	Product sales ForecastSalesWorkbook	English	Product sales
8	Product sales FreightIn	English	Incoming Freight
9	Product sales FreightInPerUnit	English	Incoming freight per unit
10	Product sales FreightOut	English	Outgoing Freight
11	Product sales GrossMargin	English	Gross margin
12	Product sales L12M	English	Actuals L12M
13	Product sales ROY	English	Plan YTG
14	Product sales Sales	English	Sales income
15	Product sales SalesDiscount	English	Discount
16	Product sales SalesDiscountPct	English	Discount %
17	Product sales SalesQty	English	Sales qty
18	Product sales SalesUnitPrice	English	Sales price
19	Product sales YTD	English	Act. YTD

Select the model as the Input module and the language of choice.

Edit the Lang Text column of an item or add an item. The available ItemID are typically the various column and measure ids such as Deviation1, etc.

Define measures

A set of measures is included when Planner is deployed. New measures may be added as needed.

Measures are defined in the “Measure” page:

Column	Description
Measure	Measure id. Mandatory. <ul style="list-style-type: none"> - Attempts to use special characters when adding a new measure (non a-z, 0-9) will result in an error message. - Attempts to delete a measure that is in use in models and/or assumptions and settings will result in an error message
Description	Default measure name. Optional. The name will typically be set when adding the measure to a model.
In use	Mandatory, default checked. Indicates whether measure is in use (checked) or not (unchecked). A measure that is not in use, will not be available for selection when adding measures to a model.
Is assumption	Mandatory, default unchecked. Indicates whether measure is an assumption (checked) or not (unchecked). A measure that is not an assumption, will not be available for selection when defining assumptions.
Has currency	Mandatory, default unchecked.
Total across periods	Mandatory, default Sum. Select from list. The value is used for calculating rest of year and next year totals correctly for lookup values (assumptions).
Format	Mandatory, default “Number, no decimals”. Select from list. The value is used for displaying lookup values (assumptions) in the correct format when defining assumptions.
Can have plan proposal	Plan proposals can be made for any measure of type input in each model that also has a check in this column. Default is checked (true).
Hist. fact source	Defines where a measure’s historical values are sourced from. The following options exist: <ul style="list-style-type: none"> - (none): any historical values are input manually in the Source Data workbook. This is the default setting. - Driver based external fact: any historical values are fetched from the driver external fact table (EPM datamart). This source is normally the target for import from external sources using the Data import & export workbook. - General ledger external fact: any historical values are sourced from the finance general ledger table. A link to a pop-up to map accounts to this measure in the “Map acc.” column if this option is selected. - Actualized driver-based plan data: When rolling forward, the data that is actualized is kept and can be used as a source for historical values. Actualized data for the last 12 months are kept in the actualized driver-based plan data source.
Map acc.	Link to pop-up where general ledger accounts can be mapped to as source for historical values to the specific measure. The link will only appear if “General ledger external fact” is selected as the “hist. fact source” for measure.
Comment	Optional comment.
Owned by	“\$System” for measures that initially came with the system. The user id for the user that added the measure for measures added to the solution post-deployment.

Attach module to input report

The module can be attached to the action link button of one or more report lines of the “Plan Overview” report:

Plan Overview
Dev - 5.0.0.2

Department: Stavanger

Period: 2021

Workflow Status: Not Started

Report	Act LY	Actuals 12M	Act.YTD 2021	Plan YTG 2021	2021	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	
Sales	14 532 711	0	270 370 782	270 370 782	45 462 896	40 548 896	35 634 896	30 720 896	25 806 896	20 892 896	15 978 896	11 064 896	11 064 896	11 064 896	11 064 896	11 064 896	11 064 896	
Other Revenue	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Operating Income	14 532 771	0	270 370 782	270 370 782	45 462 896	40 548 896	35 634 896	30 720 896	25 806 896	20 892 896	15 978 896	11 064 896	11 064 896	11 064 896	11 064 896	11 064 896	11 064 896	
Cost of Goods	0	0	133 070 040	133 070 040	28 814 006	23 287 257	19 960 306	16 613 755	13 207 004	9 980 233	6 653 502	3 238 751	3 238 751	3 238 751	3 238 751	3 238 751	3 238 751	
Other Direct Cost	0	1 372 876	8 640 000	8 640 000	1 718 000	1 513 000	1 296 000	1 080 000	864 000	640 000	422 000	216 000	216 000	216 000	216 000	216 000	216 000	
Gross Profit	13 160 695	0	128 660 742	128 660 742	17 120 890	15 749 641	14 378 392	13 007 143	11 635 894	10 264 645	8 893 396	7 522 147	7 522 147	7 522 147	7 522 147	7 522 147	7 522 147	
Gross Profit %	90.6 %	0	47.6 %	47.6 %	37.7 %	38.8 %	40.3 %	42.3 %	45.1 %	49.1 %	55.7 %	68.0 %	68.0 %	68.0 %	68.0 %	68.0 %	68.0 %	
Payroll	18 408 385	0	298 404 468	298 404 468	26 685 067	27 679 149	26 685 067	27 212 976	28 207 058	27 212 976	27 212 976	27 212 976	-2 336 784	27 212 976	27 212 976	28 207 058	27 212 976	
Other Personnel Cost	1 450 436	0	33 203 679	33 203 679	2 865 114	2 914 326	2 865 114	2 897 233	2 946 445	2 897 233	2 897 233	2 897 233	2 897 233	2 897 233	2 897 233	2 897 233	2 897 233	
Personnel Cost	17 868 821	0	331 608 147	331 608 147	29 550 181	30 593 475	29 550 181	30 110 209	31 153 503	30 110 209	30 110 209	-1 853 947	30 110 209	30 110 209	31 153 503	30 110 209	31 153 503	
Other Operating Expenses	5 750 275	0	-198 158 000	-198 158 000	-39 678 300	-34 715 895	-29 750 786	-24 785 878	-19 820 369	-14 855 461	-9 890 352	-4 929 489	-4 930 841	-4 932 192	-4 933 543	-4 934 895	-4 936 247	
Depreciation and Amortization	544 100	0	916 667	916 667	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333	83 333
Operating Expenses	6 294 375	0	-197 241 333	-197 241 333	-39 678 300	-34 632 561	-29 667 453	-24 702 544	-19 737 236	-14 772 127	-9 807 019	-4 846 156	-4 847 507	-4 848 858	-4 850 210	-4 851 561	-4 852 913	
Operating Profit	-11 000 501	0	-5 706 072	-5 706 072	27 249 010	19 788 727	14 495 664	7 599 279	219 627	-5 073 436	-11 409 793	13 422 251	-17 740 554	-17 739 203	-18 781 146	-17 736 500	-17 736 500	

To attach the module to a report line, go to the “Setup” page of the “Input settings and administration” workbook:

Forecast - Planner DEVELOPMENT 5.4.1 | Input Settings and Administration

Account settings Personnel settings Payroll settings Driver based settings Setup Translations

Save Refresh Execute Operation

When multi department input on a row limit must be set. Consider setting mandatory filters and not to auto-load input sheet on filter change.

Input modules

Input module	Published	Description	New	Delete	Delete (act. = 0)	Ch. dim.	Ch. dim. (act. =)	Multi-dept. input	Input row limit	Auto load on filter chg	Auto submit data	Comment
1 Profitbase EPM Account Workbook	<input checked="" type="checkbox"/>	Account	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2 Profitbase EPM Personnel Workbook	<input checked="" type="checkbox"/>	Personnel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3 Profitbase EPM Cash Workbook	<input checked="" type="checkbox"/>	Cash	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4 Profitbase EPM Loan Workbook	<input checked="" type="checkbox"/>	Loan	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Input module report line map

Department	Report Line ID	Input module	Comment
1 All Departments	Sales	Product sales	
2 Aie avdelinger	Cost of Goods	Product sales	
3 Aie avdelinger	Salary	Personnel	
4 Aie avdelinger	Depreciation	Cash	
5 Stavanger	Inventory Purc	Purchase inventory	
6 ABC Group	Sales	Account	

Account - dimensions
 Account - column selection
 Account - Historic Reference Columns
 Account - deviation columns
 Personnel - dimensions
 Personnel - Column setup
 Personnel attribute values
 Input module report line map
 Base settings
 Period filters

Column	Description
Department	Source department. Ranked input. Mandatory. Through the use ranked input (high level selection), different modules may attach to a given report line for different part of the department dimension (organization).
Report Line ID	Report line to which input module is to attach. Select from list. Mandatory.
Input module	Input module to attach. Select from list. Mandatory.

Period filters

The input module contains a period filter in which (time) periods can be selected. The content of this filter can be configured in the “Period filters” table found in the “Setup” page in the “Input Settings and Administration” workbook:

Input Settings and Administration
Dev - 5.0.0.2

Settings Payroll Settings Setup

Save Refresh

Account - dimensions
 Account - Historic Reference Columns
 Account - deviation columns
 Personnel - dimensions
 Personnel - Column setup
 Base settings
 Period filters
 Input filters

Period filters

	Period filter	Visible	Default	Sorting	Comment
1	2021	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	This fiscal year
2	2022	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	Next fiscal year
3	Jan 2021 - Dec 2022	<input type="checkbox"/>	<input type="checkbox"/>	3	Next 12 months
4	2021 - 2022	<input type="checkbox"/>	<input type="checkbox"/>	4	This fiscal year and next fiscal year
5	2023 - 2027	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5	Beyond next fiscal year

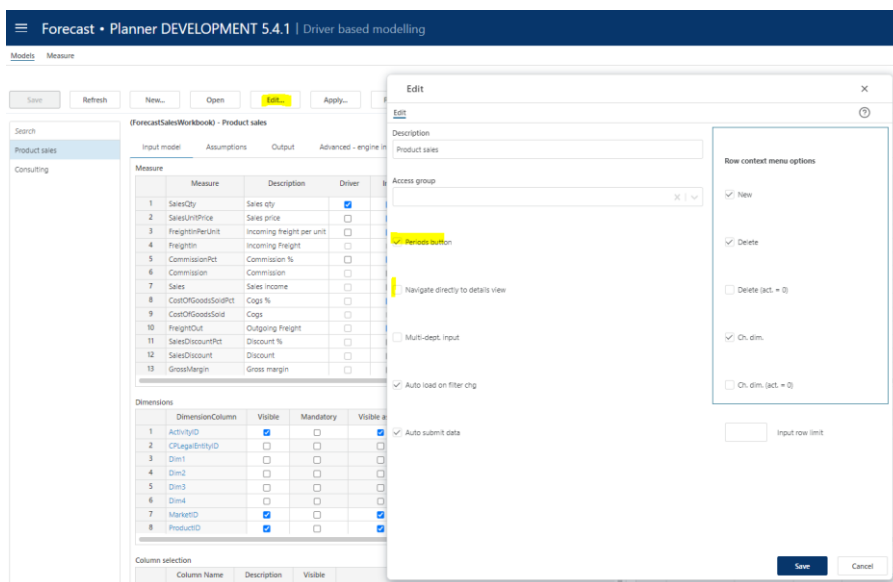
Note that this configuration is global to all input module workbooks and the “Plan Overview” workbook.

Column	Description
Period filter	Available filters, preset.
Visible	Makes filter visible (checked) or not visible (unchecked)
Default	Makes it the default period filter
Sorting	Controls the sorting in the filter drop down
Comment	Optional comment

Edit...

Clicking the Edit.. button reveals a pop-up with the option to edit the name (default name, see [Translations](#) for translations), as well as:

Period button and navigation



The Periods button is default visible and active. To hide and make inactive, un-tick the “Periods button” option.

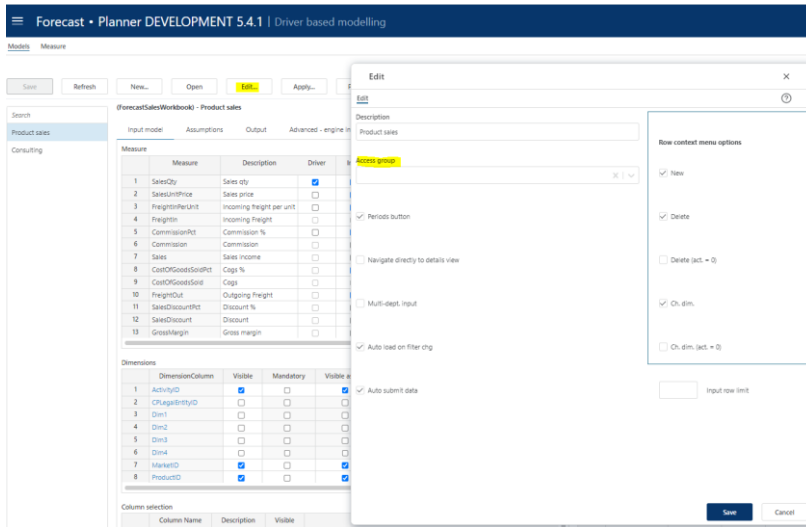
By default, the drivers view is loaded and displayed when selecting in the Department dimension. The details view can be viewed per driver combination by clicking the go-to-details icon on the driver-row in question.

In circumstances where there is always just one driver row per department (all non-department dimensions have the default empty member, i.e. #), the “Navigate directly to details view” can be ticked thereby taking the user directly to the details view. This option is by default un-ticked.

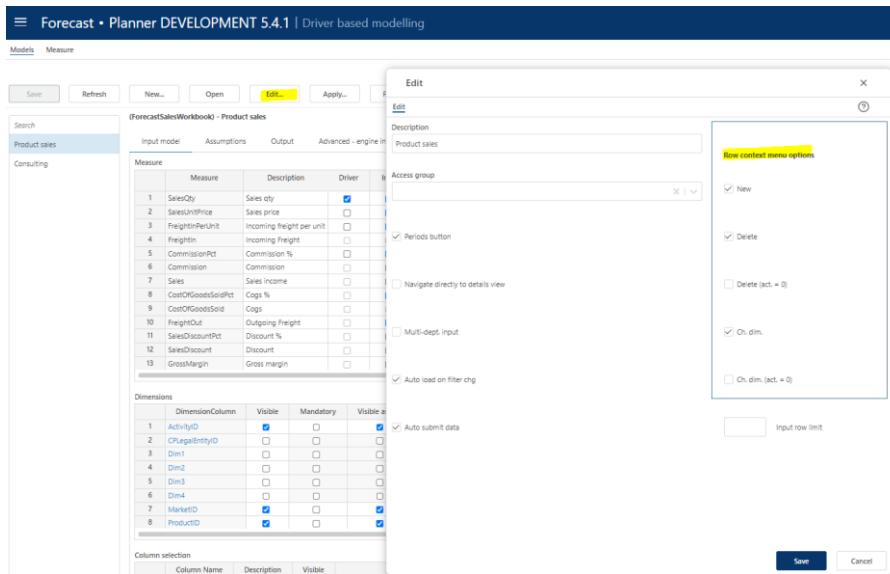
Limit access to specific models

By default, the access set up for the Driver based workbook applies to all driver-based models as they all share the same workbook.

If needed, access to an individual model can be limited to a specific access group of the Default category by clicking the Edit button:



Control row context menu options (right-click)

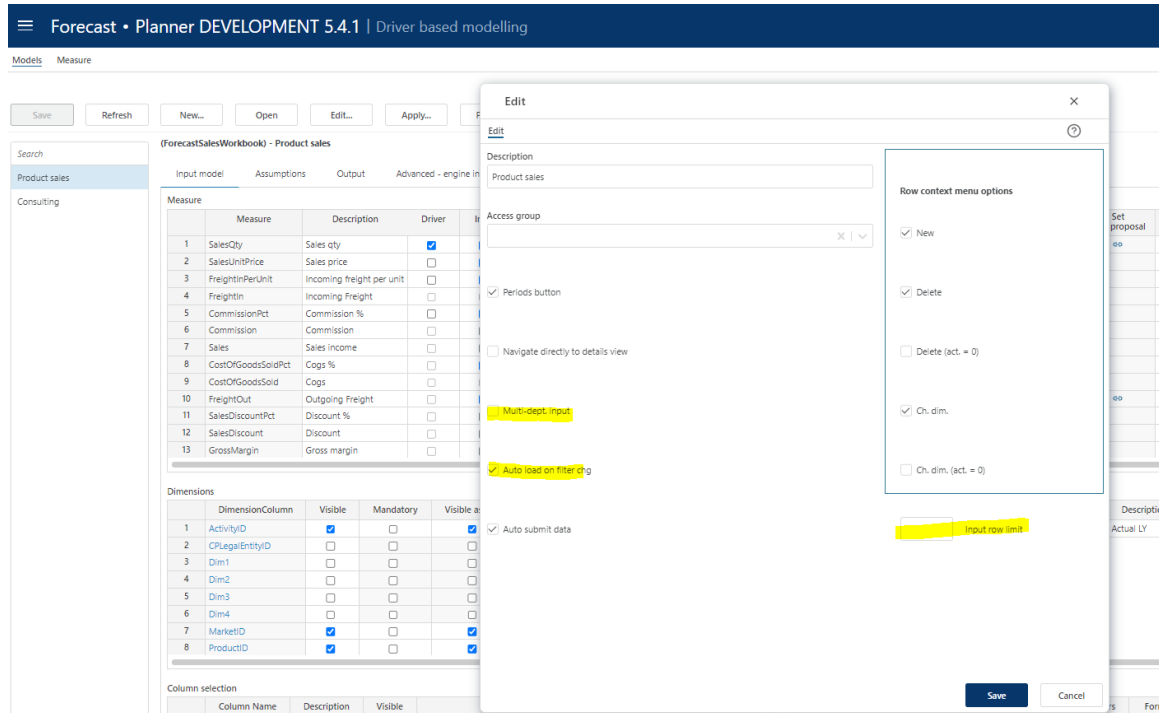


Some of the row context menu options can be controlled:

Column	Description
Row context menu options (right-click)	
New	Insert new row and Insert copy of row is allowed (true) or not allowed (false). Default is true.
Delete	Delete row is allowed (true) or not allowed (false). Default is true.
Delete (act. = 0)	Delete row is allowed only if row contains no actuals (true). Available for selection only if "Delete" is true.
Ch. dim.	Change dimensionality is allowed (true) or not allowed (false). Default is true.
Ch. dim. (act. = 0)	Change dimensionality is allowed only if row contains no actuals (true). Available for selection only if "Ch. dim." is true.

Multi-department input

By default, input is only allowed at the lowest departmental level. In certain situations, this may not be desirable if for example users act on multiple departments. For this reason, multi-department input is used:



Column	Description
Multi-dept. input	Input only allowed at lowest department level input is the default (false). If set to true, input can (given that access control allows) be given at higher-level nodes of the department dimension. NOTE: when multi-department input is no (true), other filter should be used to narrow down the data set operated on.
Input row limit	Max. row limit returned that allows input. If row limit is reached, data is limited, and a warning is given to say that data set must be narrowed down to allow input. When multi-department input is set to true, a row limit must be set.
Auto load on filter chg.	By default, data is loaded automatically on filter change (true). When multi-department input is used, it may be desirable to first set all filters and then load the data. If this is the case, set this option to false. End user will have to use the Refresh button to load data.

Auto submit data

By default, data is submitted (i.e. processed through to the Plan Overview) once saving the data. By unchecking this option, a Submit button is displayed and the Save action will only save the input data and a manual click on the Submit button is required to actually submit the data through to the Plan Overview.

5 Settings

Driver based models are configured in the “Driver based modelling” workbook and the “Models” page.

Measure	Description	Driver	Input	Assumption	Calc.	Set	Calc. order	Total across periods	Rollup	Format	Style	Sorting	Set plan proposal	Comment	Ext. No
1	SalesQty	Sales qty	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals		10	☑		
2	SalesUnitPrice	Sales price	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Average	Average	Number, no decimals		20			
3	FreightInCost	Incoming freight per unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Average	Average	Number, 2 decimals		30			
4	FreightIn	Incoming Freight	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals		31			
5	CommissionPct	Commission %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Average	Average	Percentage, 1 decimal		32			
6	Commission	Commission	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals		34			
7	Sales	Sales income	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals	BooOverline	38			
8	CostOfGoodsSoldPct	CoGS %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Average	Average	Percentage, 1 decimal	BooOverline	40			
9	CostOfGoodsSold	CoGS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals	BooOverline	50			
10	FreightOut	Outgoing Freight	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals		60	☑		
11	SalesDiscountPct	Discount %	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Average	Average	Percentage, 1 decimal		65			
12	Discount	Discount	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals		66			
13	GrossMargin	Gross margin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Sum	Sum	Number, no decimals	BooOverUnderline	70			

Multiple input models can be created and published to users. Select a model in the filter-list on the far left to activate buttons and display content.

Note that the most common settings (as outlined below) may also be maintained in the “Input Settings and Administration” workbook that may be convenient to avoid giving users access to model setup:

Measure	Departm.	Product	Market	Activity	Project	Currency	Jan 22	Feb 22	Mar 22	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23
1	SalesUnitPrice	All Products	ProfAnlys Division Care	All Markets	All	NOK	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000

Assumptions

Assumptions are lookup value and should exist for any measure that is defined as a lookup. For a measure to be eligible for assumptions, it must be defined as an assumption measure, see [Define measures](#) for details.

Assumptions are maintained in the “Assumptions” tab:

The screenshot shows the Profitbase EPM Planner 5.1.1.0 interface. At the top, it displays 'Forecast - DEVELOPMENT - EPM Planner 5.1.1.0 | Driver based modelling' and the Profitbase logo. Below the header, there are tabs for 'Measures', 'Measure fact data', and 'Dimension data'. A sidebar on the left contains 'Product sales' and 'Consulting' sections. The main area shows a table with columns for 'Measure', 'Department', 'Product', 'Market', 'Activity', 'Project', 'Currency', and a series of monthly/quarterly values from Jan 22 to May 23. The table contains 10 rows of data with various numerical values.

Select a measure from the dropdown list. The currently existing assumptions will display. Maintain assumption values as needed. To see the effect of any change, click Save and the Process for the model in question.

Assumptions are common across models.

Column	Description
Measure	Measure to which the assumption is attached. Automatically set based on filter dropdown selection. Mandatory.
Department	Source department. Ranked input. Mandatory.
Product	Source product. Ranked input. Mandatory. Note that if the Product dimension is not visible in the model, any relevant assumption must be defined for the All product level.
Market	Source market. Ranked input. Mandatory. Note that if the Market dimension is not visible in the model, any relevant assumption must be defined for the All market level.
Activity	Source activity. Ranked input. Mandatory. Note that if the Activity dimension is not visible in the model, any relevant assumption must be defined for the All activities level.
Project	Source project. Ranked input. Mandatory. Note that if the Project dimension is not visible in the model, any relevant assumption must be defined for the All projects level.
Currency	Currency for assumption values. Mandatory for measures that have currency, see Define measures for details. Note that if there exist legal entities having different home currencies, assumptions must exist for each of the currencies, i.e. there will be no currency conversion when the lookup is done. For legal entity A with home currency EUR, it is expected that an assumption set with currency EUR exists for the lookup to return values.
Monthly period columns	Numeric lookup values for individual months. Column headings will be dynamic and will change as plan rolls forward.
NY Plus 1– NY Plus 5 columns	Numeric lookup values for years beyond next year. Column headings will be dynamic and will change as plan rolls forward. Applicable if long-term planning is done.

Please note that the assumption table will roll forward in time in accordance with the plan rolling forward.

Distribution keys

Distribution keys are specified by the combination of the department, product, and market dimensions.

The dimensional values are selected using the ranked input selector. For details on using the ranked input selector and making rank changes between rows, please refer to [Common functionality](#) for details.

As a general rule-of-thumb, it is advisable not to use too specific distribution keys.

Distribution keys are maintained in the “Output” tab:

Models Measure Measure fact data Dimension data

Save Refresh New... Open Apply... Process Delete... Check calc.

Product sales (ForecastSalesWorkbook) - Product sales Edit... Published

Consulting

Input model Assumptions **Output** Advanced - engine interface

Distribution keys							Jan 22	Feb 22	Mar 22	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22
1	Departm.	Product	Market	Activity	Project	Measure	1	1	1	1	1	1	1	1	1	1	1	1
1	Alle avdelinger	All Product	All Markets	All Activities	All Projects	Sales qty	1	1	1	1	1	1	1	1	1	1	1	1
2	Alle avdelinger	Profitways DIVision Core	All Markets	Omsetningsøkning	Project group 1	Sales qty	1	2	1	12	1	2	1	2	1	2	1	2
3	Alle avdelinger	All Product	All Markets	All Activities	All Projects	Outgoing Freight	1	1	1	1	1	1	1	1	1	1	1	1

Column	Description
Department	Source department. Ranked input. Mandatory
Product	Source product. Ranked input. Mandatory. Note that if the Product dimension is not visible in the model, any relevant assumption must be defined for the All product level.
Market	Source market. Ranked input. Mandatory. Note that if the Market dimension is not visible in the model, any relevant assumption must be defined for the All market level.
Activity	Source activity. Ranked input. Mandatory. Note that if the Activity dimension is not visible in the model, any relevant assumption must be defined for the All activities level.
Project	Source project. Ranked input. Mandatory. Note that if the Project dimension is not visible in the model, any relevant assumption must be defined for the All projects level.
Measure	Source measure. Select from list. Mandatory.
Monthly distribution key weight (heading dynamic)	Numeric values. Mandatory. When distributing a year-total value over monthly periods, the weight given to a specific month is its distribution key weight divided by the sum of the distribution key weights for all the months for that year.
Comments	Optional comment. Note that if a comment is added, the contributor will see the comment when viewing the distribution key of an input row.

Measure to account mapping

For every model, any measure that is expected to generate a P&L transaction must be mapped to an account.

The measure to account mapping is maintained in the “output” tab:

Models Measure Measure fact data Dimension data

Save Refresh New... Open Apply... Process Delete... Check calc.

Product sales (ForecastSalesWorkbook) - Product sales Edit... Published

Consulting

Input model Assumptions **Output** Advanced - engine interface

Distribution keys

	Departm.	Product	Market	Activity	Project	Measure	Jan 22	Feb 22	Mar 22	Apr 22	M
1	Alle avdelinger	All Product	All Markets	All Activities	All Projects	Sales qty	1	1	1	1	
2	Alle avdelinger	Profitways DIVision Core	All Markets	Omsetningsøkning	Project group 1	Sales qty	1	2	1	12	
3	Alle avdelinger	All Product	All Markets	All Activities	All Projects	Outgoing Freight	1	1	1	1	

Acc. mapping -> P&L transaction

	Department	Product	Market	Activity	Project	Measure -> P&L transaction	Account
1	Alle avdelinger	All Product	All Markets	Alle	Alle	Sales income	3015 - Income Accessories
2	Alle avdelinger	All Product	All Markets	Alle	Alle	Cogs	4010 - Cost of Spareparts Sold
3	Alle avdelinger	All Product	All Markets	Alle	Alle	Commission	3075 - Rebilled advertising expenses
4	Alle avdelinger	All Product	All Markets	Alle	Alle	Outgoing Freight	4090 - Freight cost on goods sold
5	Alle avdelinger	All Product	All Markets	Alle	Alle	Incoming Freight	4290 - Freight, Customs, etc.
6	Alle avdelinger	All Product	All Markets	Alle	Alle	Discount	3080 - Discounts
7	Alle avdelinger	Profitways DIVision Core	All Markets	Omsetningsøkning	Project group 1	Sales income	3020 - Services

Column	Description
Department	Source department. Ranked input. Mandatory.
Product	Source product. Ranked input. Mandatory. Note that if the Product dimension is not visible in the model, any relevant assumption must be defined for the All product level.
Market	Source market. Ranked input. Mandatory. Note that if the Market dimension is not visible in the model, any relevant assumption must be defined for the All market level.
Activity	Source activity. Ranked input. Mandatory. Note that if the Activity dimension is not visible in the model, any relevant assumption must be defined for the All activities level.
Project	Source project. Ranked input. Mandatory. Note that if the Project dimension is not visible in the model, any relevant assumption must be defined for the All projects level.
Measure	Source measure. Select from list. Mandatory.
Account	The target account, i.e. that account that the generated P&L transaction will be tied to.
Comment	Optional comment

Auto transactions (optional)

Auto-transactions may be used to trigger additional transactions based on user input. For example, the input to a certain account should always generate an additional transaction to another account amounting to 10% of the input or source transaction.

The auto transactions are maintained in the “Output” tab:

The screenshot shows the 'Budget • 2022 | Driver based modelling' interface. The 'Output' tab is active, displaying a table for 'Auto transactions'. The table has columns for Department, Product, Market, Activity, Project, Measure, Value, Operator, Condition, Account, Target department, and Comment. A single rule is visible with the following details:

Department	Product	Market	Activity	Project	Measure	Value	Operator	Condition	Account	Target department	Comment
All Departments	All products	U.S.A.	All activities	All projects	Commission	0.01	*		6430 - Support cost Computers		

Column	Description
Department	Source department. Ranked input. Mandatory
Product	Source product. Ranked input. Mandatory. Note that if the Product dimension is not visible in the model, any relevant assumption must be defined for the All product level.
Market	Source market. Ranked input. Mandatory. Note that if the Market dimension is not visible in the model, any relevant assumption must be defined for the All market level.
Activity	Source activity. Ranked input. Mandatory. Note that if the Activity dimension is not visible in the model, any relevant assumption must be defined for the All activities level.
Project	Source project. Ranked input. Mandatory. Note that if the Project dimension is not visible in the model, any relevant assumption must be defined for the All projects level.
Measure	Source measure. Mandatory. Select from list.
Value	The value and the operator define how the amount of the target transaction will be calculated. In the example above, the amount of the target transaction will be 10% o Numeric value. Mandatory.
Operator	Select from list. Mandatory.
Condition	Optional. Special condition to apply when validating whether to execute the rule or not.

	<p>For example:</p> <ul style="list-style-type: none"> - Month() > 6 indicating that rule will be executed only for transactions with a transaction date with month number greater than 6 (June) - CurrentPeriodValue() > 1000 indicating that rule will be executed if value currently processed is greater than 1000 <p>Operators:</p> <ul style="list-style-type: none"> - Equality: == - Greater than or equal to: >= Greater than: > - Less than or equal to: <= Less than: < - Logical and: && - Logical or:
Account	Mandatory. The account that the target transaction will have.
Target department	Optional. Leave empty if target department should equal the source department. Select from drop down is target department should differ from source department
Comment	Optional comment.

Advanced – engine interface (optional)

Please note that this is an advanced topic that requires in-depth knowledge of the Profitbase Planner financial engines.

All output transactions from the models (i.e. those mapped to an account plus those being produced by auto transaction) will be candidates for processing through the financial engines for balance and cash flow.

By default, all measure values are mapped to the Amount field of the transaction table. The transaction table does, however, contain several additional columns that may be desirable to use in certain circumstances to obtain a specific behavior from the financial engine.

At the same time, some output measures may not be desirable to send through the financial engines and should be explicitly excluded.

This can be done in the “Advanced – engine interface” tab (note: has no effect on what is displayed in the “Plan Overview” workbook):

Models Measure Measure facts (driver) Dimension data

Save Refresh New... Open Apply... Process Delete... Check calc.

Product sales × (ForecastSalesWorkbook) - Product sales Set name... Published

Product sales
Consulting

Input model Assumptions Output **Advanced - engine interface**

P&L trans. - override default mapping of measures to transaction columns. NOTE: applies to P&L transactions from acc. mapping only (not auto transactions)

	Measure -> P&L transaction	Measure	Transaction column	Comment
1	Sales income	Cogs %	CogsPctOvr	
2	Sales income	Sales income	Amount	
3	Sales income	Sales qty	Qty	
4	Discount	Discount	Amount	
5	Discount	Sales qty	Qty	

Exclude measures from engine

	Measure	Exclude from engine completely	Exclude auto trans. only from engine	Comment
1	Cogs	<input type="checkbox"/>	<input type="checkbox"/>	
2	Incoming Freight	<input type="checkbox"/>	<input type="checkbox"/>	

Column	Description
Measure -> P&L transaction	Output P&L transaction stemming from the account mapping. Mandatory. Select from list.
Measure	Model measure to obtain value from. Mandatory. Select from list.
Transaction column	Transaction column to map measure value to. Mandatory. Select from list.
Comment	Optional comment.

Override default mapping of measures to transaction columns

In stead of the default mapping of measure value to transaction table Amount field, the mapping can explicitly set. As shown in the example above, for the output transaction of the Sales income measure:

- measure value from "Cogs %" is mapped to transaction column "CogsPctOvr"
- measure value from "Sales income" is mapped to transaction column "Amount"
- measure value from "Sales Qty" is mapped to transaction column "Qty"

The values are taken from the same model based on equality of dimensions and time.

Exclude measures from engine.

If certain output transactions are to be excluded from the financial engines altogether, this can be achieved in the "Exclude measures from engine" table.

Column	Description
Measure	Measure output from the model either through the account mapping or the auto transactions. Mandatory. Select from list.
Exclude from engine completely	Any output transaction for selected measure will be excluded (checked).
Exclude auto trans. only from engine	Optional selection to single out only auto transactions stemming from selected measure to be excluded from engine.
Comment	Optional comment.

6 Data management

Data management comprises of dimension management and source fact data management.

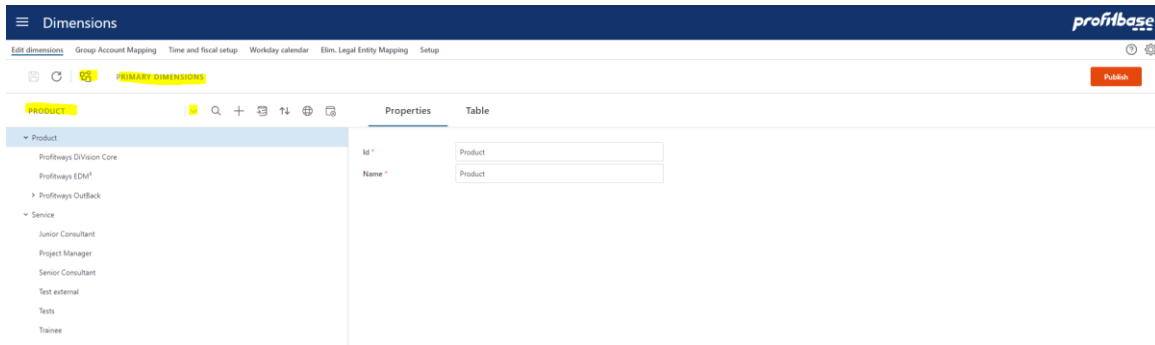
The driver based module uses the department, product, and market dimensions with the optional addition of extra dimensions supplier, project, activity, counterpart and dim1 to dim4.

The driver based source fact data contains the historical data per measure for relevant dimension combinations.

Dimensions

The dimensions available in the driver-based module are Product, Market, Supplier, Activity, Project, and dimensions D1 to Dim4.

Dimensions maintained in the Dimensions workbook, selecting the appropriate dimension:

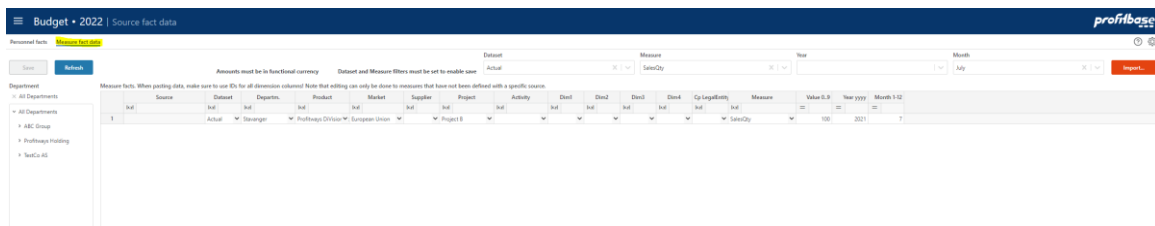


Note that dimensions in Planner are centrally managed (primary dimension) with the option of maintaining version specific copy using the solution picker.

Maintain as appropriate, save the changes, and then click the “Publish” button to publish. Note that when publishing a dimension, the target versions must be selected.

Source fact data

A simple input tool for maintaining historical data is available in the “Source fact data” workbook:



Select a value in the “Dataset” and “Measure” filter at the top and click the “Refresh” button to enable the save button.

Note that only measures that are set up without a specific “Hist. fact source” are available for input here, see [Define measures](#). Measures with a specific “Hist. fact source” set can be viewed but not changed, they are sourced from the configured source.

Add new rows as needed or paste selection. When pasting data, make sure to paste dimension **ids**. A dropdown will evaluate the id against the corresponding dimension and render the dimension **description**. If no description is rendered, just the id, this indicates that the id does not exist in the dimension.

Column	Description
DepartmentID	Department id. Mandatory.
ProductID	Product id. Mandatory.
MarketID	Market id. Mandatory.
ProjectID	Project id. Optional. If no value is provided, the default value # is set
ActivityID	Market id. Optional. If no value is provided, the default value # is set
SupplierID	Supplier id. Optional. If no value is provided, the default value # is set
Dim1	Dim1 id. Optional. If no value is provided, the default value # is set
Dim2	Dim2 id. Optional. If no value is provided, the default value # is set
Dim3	Dim3 id. Optional. If no value is provided, the default value # is set
Dim4	Dim4 id. Optional. If no value is provided, the default value # is set
CPLegalEntityID	Counterpart legal entity id. Optional. If no value is provided, the default value # is set
Value	Numeric

Year yyyy	4-digit year, for example 2020. Mandatory
Month 1-12	Month number, 1-12. Mandatory

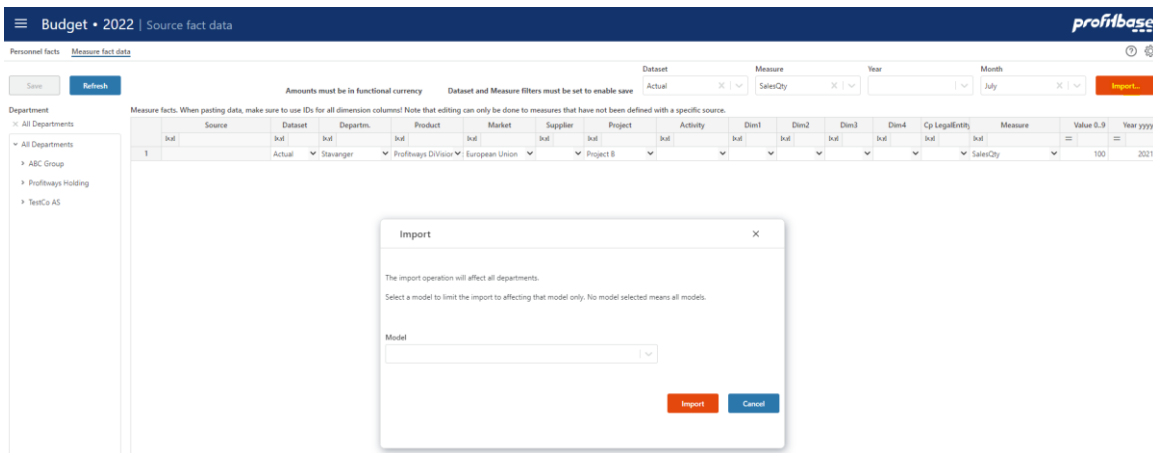
Department, Product, Market, Year and Month are mandatory columns.

Any amounts must be given in the home currency.

Value will default to 0 if no value is provided.

Dimension combinations found in the source and not in the input module for either the last 12 months actuals or any of the (optional) historical reference columns, will automatically be processed into the module on plan rollover.

The input models are updated by clicking the “Import..” button and selecting the appropriate model:



The input models can also be updated manually by clicking the “Apply...” button in the “Models” page of the “Driver based modelling” workbook.