

Profitbase AS

Profitbase Planner

Data Requirements

Profitbase

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1 Planner Data Requirements

This document defines the minimum dimension, report and transaction data that is required to run the Planner solution as well as optional data required depending on the Planner functionality used.

It also describes how external data can be imported to Profitbase Planner.

The intended audience of this document is implementation partners configuring the solution initially and establishing integrations with external sources. The reader is expected to be familiar with Planner capabilities and functionality.

Planner is deployed with initial (demo-only) data that will make Planner functional upon deployment and that may act as examples for data that is required. This applies to all data described in this document.

Planner is self-contained with respect to dimensions and some fact data in the sense that these can be input and maintained in Planner. In practice, however, some of the dimensions and ledger transaction data will typically be imported from external sources.

Planner dimensions may be maintained in the “dimensions” workbook within a specific version:

Legal Entity	Legal Entity	Legal Entity	Legal Entity	Hierarchy level 3	Hierarchy level 2	Hierarchy level 1	Comments	Modify Type
ID	Name	ID	Name	ID	Name	ID		
1	Aco	Aco	NOK	EUR	Main	Admin Aco		UPDATE
2	Bco	Bco	EUR	Main	Admin Bco			UPDATE
3	Cco	Cco	GBP	Main	Admin Cco			UPDATE
4	ElimG	Elim ABC Group	NOK	Elimination	Elim ABC Group	ElimG	Elim ABC Group	UPDATE
5	plElim	Elimination	NOK	Elimination	Elimination	plElim	Elimination	UPDATE
6	pfo	Profiteways Focus AS	NOK	Main	Focus Stavanger	pfo	Profiteways Focus AS	UPDATE
7	pro	Profiteways AS	NOK	Main	Stavanger	pro	Profiteways AS	UPDATE

The currency exchange rates may be maintained in the “Currency Exchange Rates and Calendar” workbook:

Dataset	From Currency	To Currency	From Date	Value	High	Low	Comments
1	NOK	NOK	01/01/2021	1.00000	1.00000	1.00000	Forecast
2	NOK	NOK	01/02/2021	1.00000	1.00000	1.00000	Forecast
3	NOK	NOK	01/03/2021	1.00000	1.00000	1.00000	Forecast
4	NOK	NOK	01/04/2021	1.00000	1.00000	1.00000	Forecast
5	NOK	NOK	01/05/2021	1.00000	1.00000	1.00000	Forecast
6	NOK	NOK	01/06/2021	1.00000	1.00000	1.00000	Forecast
7	NOK	NOK	01/07/2021	1.00000	1.00000	1.00000	Forecast
8	NOK	NOK	01/08/2021	1.00000	1.00000	1.00000	Forecast
9	NOK	NOK	01/09/2021	1.00000	1.00000	1.00000	Forecast

Fact data may be maintained in the “Source fact data” workbook within a specific version:

Department	Departm	Employee	ProjectName	ActivityName	Dim1Name	Dim2Name	Dim3Name	Dim4Name	Counterpart	Current FTE	Current monthly salary	Bonus	Overtime	Free Car	Training	Misc3	Misc4	Misc5
1	York	001-0								0	25,000	1,000	250	100	150	200	250	300
2	York	001-1								1	25,000	1,000	250	100	150	200	250	300
3	York	001-10								10	25,000	1,000	250	100	150	200	250	300
4	York	001-11								11	25,000	1,000	250	100	150	200	250	300
5	York	001-12								12	25,000	1,000	250	100	150	200	250	300
6	York	001-13								13	25,000	1,000	250	100	150	200	250	300

Similarly, fixed assets may be maintained in the “Finance Settings” workbook within a specific version:

Import	Legal Entity	Departm.	Text	Account	AssetCost	Deprec. accum.	StartDate	Deprec. %	ResidualValue	Declining	Y1 = full year	Acc. Deprec.	CAccount	Disp. date	Curr.Foreign
<input type="checkbox"/>	Profitways AS	York	Test1	1205 - Computer A	1,000,000		02/01/2020	30.00%		<input type="checkbox"/>	<input type="checkbox"/>	8010 - Deprecation Fixed assets	1287 - Accumulated depreciation		NOK
<input type="checkbox"/>	Profitways AS	Stavanger	Test2	1205 - Computer A	2,000,000		02/01/2021	40.00%		<input type="checkbox"/>	<input type="checkbox"/>	8010 - Deprecation Fixed assets	1287 - Accumulated depreciation		NOK
<input type="checkbox"/>	Profitways AS	Oslo	Test3	1205 - Computer A	4,000,000		05/01/2021	10.00%		<input type="checkbox"/>	<input type="checkbox"/>	8010 - Deprecation Fixed assets	1287 - Accumulated depreciation		NOK
<input checked="" type="checkbox"/>	Profitways AS	Stavanger	My test asset	1205 - Computer A	10,000,000		10/27/2020	2.00%		<input type="checkbox"/>	<input type="checkbox"/>	8010 - Deprecation Fixed assets	1287 - Accumulated depreciation		NOK
<input checked="" type="checkbox"/>	Profitways AS	Stavanger	My test asset 2	1205 - Computer A	300,000		04/10/2020	20.00%		<input type="checkbox"/>	<input type="checkbox"/>	8010 - Deprecation Fixed assets	1287 - Accumulated depreciation		NOK

Best practice *during* an implementation- and setup-phase, is to establish dimensional and transactional data *within* Planner while at the same time identifying, developing and testing appropriate integrations in time for production start.

Associated with this document is therefore an excel template that may be used to paste dimensional and transaction data into Planner ([Planner Data Requirements - import template](#)).

Please note that dimensions use hierarchies (structures) and that these will vary from solution to solution and may therefore differ from (*add to*) the minimum content described herein.

This applies in particular to the Department dimension that may contain a hierarchy that consists of more levels than the default dimension deployed with Planner. Extending a dimension's hierarchy will involve *adding* columns and attributes to the dimensional tables (schema) and *extending* existing dimensional hierarchies. Such *structural* dimension management is done in Profitbase InVision designer:

The screenshot shows the Profitbase InVision Designer interface. The main window displays the 'Department' dimension schema. A yellow warning banner at the top states: "This object is currently not checked out for edit. Any changes you make, will not be saved." Below this, the 'SCHEMA' tab is active, showing a table of columns with their data types, key status, and nullability.

ColumnName	Data Type	Is Key	Allow Null
DepartmentID	nvarchar(50)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DepartmentID_Name	nvarchar(100)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LegalEntityID	nvarchar(50)	<input type="checkbox"/>	<input type="checkbox"/>
LegalEntityID_Name	nvarchar(100)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DataSourceID	nvarchar(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ModifyType	varchar(10)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL1ID	nvarchar(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL1ID_Name	nvarchar(100)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL2ID	nvarchar(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL2ID_Name	nvarchar(100)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL3ID	nvarchar(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL3ID_Name	nvarchar(100)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL4ID	nvarchar(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL4ID_Name	nvarchar(100)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL5ID	nvarchar(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL5ID_Name	nvarchar(100)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL6ID	nvarchar(50)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DepartmentL6ID_Name	nvarchar(100)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please note that any changes made using the designer, will have to be re-implemented following an upgrade of Profitbase Planner.

2 Minimum data requirements

The following are the *minimum* data requirements and limits the use of *input* modules to the Account, CapEx and Loan modules only. For use of other modules, please refer to [Optional data requirements – depending on functionality used](#)

Required (minimum) dimensions are:

- [Legal Entity dimension](#) – this is the formal company structure.

This structure also needs to include entities that is used for elimination when intercompany transactions occur and one want to record intercompany transactions.

The Legal Entity dimension is typically imported from an external source.

- [Department dimension](#) – this is the structure within each Legal Entity used for providing plan input and get actual accounting transactions.

The department structure must contain the Legal Entity level and thus the LegalEntityID column.

All transactions must contain Legal Entity and Department.

The Department dimension is typically imported from an external source.

- [Account dimension](#) – this is the structure that is used to determine the type of transactions relative to a finance fiscal regime.

Planner requires a common (corporate) account dimension for all companies in the solution.

The Account dimension is typically imported from an external source.

- [Report Setup](#) – setup of one or more reports containing report lines that map to ranges of accounts. The report setup is maintained in Planner.

The Planner input models are initiated from the Plan overview workbook that make use of a report named INPUT.

This report does exist when Planner is deployed, but must be adapted to each customer's needs and the report lines that the INPUT report comprises of must be mapped to ranges of the customer's account dimension.

In addition to the INPUT report, other reports exist and is used for reporting purposes (Finance Reports workbook). They should also be adapted and mapped to ranges of the customer's account dimension.

- [Currency dimension](#) – define the currencies used.

The Currency dimension is typically maintained in the solution.

- [Time dimension](#) – contains calendar with days, months and years

The time dimension is generated within the solution.

Required Transaction (fact) data:

- [Ledger fact](#) - Actual (and other historic datasets if relevant) finance accounting transaction from general ledger.

Note that ledger fact data is not a pre-requisite per se, as input to the Planner account module can be made without any historical data present simply by adding input rows manually for the relevant departments and accounts.

Ledger fact data may be introduced post production start. In most cases, however, ledger data is included at or before production start.

Ledger fact data is typically imported on a regular basis from an external source.

- [Currency Exchange rates](#).

Exchange rates for historic data should be the same as the ERP system.

2.1 Legal Entity Dimension

The following information content is required:

#	Column name	Description	Mandatory / Optional	Comment
1	LegalEntityID	ID for the Legal entity	M	Primary Key Company Code
2	LegalEntityID_Name	Name of legal entity	M	
4	FunctionalCurrencyID	Home currency for this Legal Entity	M	
5	OperationTypeID	Type of legal entity (Main Elimination)	M	

6	DefaultDepartmentID	Default department used for situations where a department is not normally given, such as opening balances	O	
7	LegalEntityL3ID	ID for hierarchical level 3	M*	See comment on hierarchy below
8	LegalEntityL3ID_Name	Name for hierarchical level 3	M*	See comment on hierarchy below
9	LegalEntityL2ID	ID for hierarchical level 2	M*	See comment on hierarchy below
10	LegalEntityL2ID_Name	Name for hierarchical level 2	M*	See comment on hierarchy below
11	LegalEntityL1ID	ID for hierarchical level 1	M*	See comment on hierarchy below
12	LegalEntityL1ID_Name	Name for hierarchical level 1	M*	See comment on hierarchy below

* Must be filled in, but can be padded as explained in [Legal entity dimension hierarchy](#).

It is important that Legal Entity IDs of the dimensions corresponds to the IDs used for actual general ledger data.

Please note that any non-visual characters such as as carriage return, line feed and so on should not be used for dimension member ids nor descriptions.

For details on how to switch from the Planner-internal source to an external source, please refer to [Legal Entity dimension](#).

2.1.1 [Legal entity dimension hierarchy](#)

The legal entity dimension hierarchy by default consists of 4 levels, including the actual legal entity, in the following order:

- Hierarchy level 1
- Hierarchy level 2
- Hierarchy level 3
- Legal entity

This is reflected in the positioning of the columns from left (lowest level, i.e. Legal entity) to right (highest level, i.e. Hierarchy level 1).

Note that all levels must be filled in, but padding - that is repeating - levels from one level to the next should be used if the actual hierarchy does not contain all levels, as shown in the example below:

The screenshot shows a software interface with a dark blue header 'Dimensions and Currency exchange rates'. Below the header is a navigation bar with tabs: Exchange Rate Daily, Exchange Rate Monthly, Legal Entity (selected), Department, Account, Product, Market, Supplier, Employee, Asset Group, Dim1 .. Dim4. The main area contains a table with columns: Legal Entity, Legal Entity Name, Curr.Func., Operation Type, Default Department, Hierarchy level 3 (ID, Name), Hierarchy level 2 (ID, Name), and Hierarchy level 1 (ID, Name). The table has three rows. The third row shows 'pro' in the Legal Entity column, and 'pro Profitways AS' in both the Hierarchy level 3 and Hierarchy level 2 columns, illustrating padding.

In the example, Legal entity Profitways is padded - repeated - to Hierarchy levels 3 and 2. This means that Planner renders the hierarchy skipping Hierarchy levels 3 and 2 so that when expanding level 1, the legal entity level is displayed as shown in the left margin where Profitways holding (Hierarchy level 1) expands directly to Profitways (Legal entity).

The number of hierarchical level can be changed, but has to be done using the Profitbase InVision designer and will require re-implementation after a Planner upgrade.

2.2 Department Dimension

The following describes the minimum data required for the Department dimension, representing the Legal Entity and Department levels.

In practice, the Department dimension will typically contain *additional* hierarchical levels and thus additional columns.

#	Column name	Description	Mandatory / Optional	Comment
1	DepartmentID	Department identifier	M	Primary key
2	DepartmentID_Name	Name for department	M	
3	DepartmentL6ID	ID for hierarchical level 6	M*	See comment on hierarchy below
4	DepartmentL6ID_Name	Name for hierarchical level 6	M*	See comment on hierarchy below

5	DepartmentL5ID	ID for hierarchical level 5	M*	See comment on hierarchy below
6	DepartmentL5ID_Name	Name for hierarchical level 5	M*	See comment on hierarchy below
7	DepartmentL4ID	ID for hierarchical level 4	M*	See comment on hierarchy below
8	DepartmentL4ID_Name	Name for hierarchical level 4	M*	See comment on hierarchy below
9	LegalEntityID	ID of the legal entity	M	All departments must be tagged with their legal entity id.
10	LegalEntityID_Name	Name of the legal entity	M	See comment on hierarchy below
11	DepartmentL3ID	ID for hierarchical level 3	M*	See comment on hierarchy below
12	DepartmentL3ID_Name	Name for hierarchical level 3	M*	See comment on hierarchy below
13	DepartmentL2ID	ID for hierarchical level 2	M*	See comment on hierarchy below
14	DepartmentL2ID_Name	Name for hierarchical level 2	M*	See comment on hierarchy below
15	DepartmentL1ID	ID for hierarchical level 1	M*	See comment on hierarchy below
16	DepartmentL1ID_Name	Name for hierarchical level 1	M*	See comment on hierarchy below

* Must be filled in, but can be padded as explained in [Department dimension hierarchy](#).

Please note that the LegalEntityIDs should be different from the DepartmentIDs. If such cases of equality exist, the best practice would be to prefix the source DepartmentIDs with LegalEntityID before making use of them in Planner. For example, if both a LegalEntityID and a DepartmentID

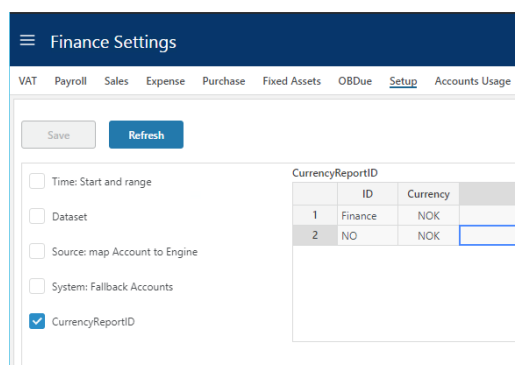
equals 'pro', best practice would be to rename the DepartmentID to 'pro.pro' thus making it unique.

It is important that DepartmentIDs of the dimension corresponds to the IDs used for actual general ledger data.

Please note that any non-visual characters such as carriage return, line feed and so on should not be used for dimension member ids nor descriptions.

There may be cases where the Department dimension consists of members where a legal entity's functional currency cannot be established, for example a country level or similar.

In order to associate a currency with such members, those may be added to the "CurrencyReportID" setting in the Finance Settings workbook:



Example (ref. image above): assume that the department dimension contains a member "NO" that is not associated with a legal entity. To associate this member to the reporting currency NOK, this association can be done as shown in row #2 in the above image. When selecting this member in the organizational filter of relevant workbooks amounts will be converted to NOK.

For details on how to switch from the Planner-internal source to an external source, please refer to [Department dimension](#).

2.2.1 Department dimension hierarchy

The department dimension hierarchy by default consists of 8 levels, including the actual department and the legal entity, in the following order:

- Hierarchy level 1
- Hierarchy level 2
- Hierarchy level 3
- Legal entity
- Hierarchy level 4
- Hierarchy level 5
- Hierarchy level 6
- Department

This is reflected in the positioning of the columns from left (lowest level, i.e. Department) to right (highest level, i.e. Hierarchy level 1).

Note that all levels must be filled in, but padding - that is repeating - levels from one level to the next level up should be used if the actual hierarchy does not contain all levels, as shown in the example below so long as the department level contains actual departments and the legal entity level contains actual legal entities.

Dimensions and Currency exchange rates

Exchange Rate Daily Exchange Rate Monthly Legal Entity Department Account Product Market Supplier Employee Asset Group Dim1... Dim4

Save Refresh Publish

Profitways

- ▼ All Departments
 - ▼ Profitways Holding
 - ▼ Elimination
 - ▼ Profitways
 - ▼ Germany
 - ▼ France
 - ▼ Norway
 - Bergen
 - Oslo
 - Stavanger
 - Trondheim
 - ▼ United Kingdom
 - ▼ United States
 - ▼ Profitways Focus AS

Hierarchy level 6	Department		Hierarchy level 5		Hierarchy level 4		Legal Entity		Hierarchy level 3		Hierarchy level 2		Hierarchy level 1		Modify Type
	Departm.	Departm. Name	ID	Name	ID	Name	ID	Name	Legal Entity	Legal Entity Name	ID	Name	ID	Name	
1	001	York	001	York	001	York	US	United States	pro	Profitways	pro	Profitways	pro	Profitways Holding	UPDATE
2	002	Oslo	002	Oslo	002	Oslo	NO	Norway	pro	Profitways	pro	Profitways	pro	Profitways Holding	UPDATE
3	003	London	003	London	003	London	UK	United Kingdom	pro	Profitways	pro	Profitways	pro	Profitways Holding	UPDATE
4	004	Stavanger	004	Stavanger	004	Stavanger	NO	Norway	pro	Profitways	pro	Profitways	pro	Profitways Holding	UPDATE
5	005	Houston	005	Houston	005	Houston	US	United States	pro	Profitways	pro	Profitways	pro	Profitways Holding	UPDATE
6	2	Bergen	2	Bergen	2	Bergen	NO	Norway	pro	Profitways	pro	Profitways	pro	Profitways Holding	UPDATE
7	3	Paris	3	Paris	3	Paris	FR	France	pro	Profitways	pro	Profitways	pro	Profitways Holding	UPDATE
8	5	Berlin	5	Berlin	5	Berlin	DE	Germany	pro	Profitways	pro	Profitways	pro	Profitways Holding	UPDATE
9	6	Trondheim	6	Trondheim	6	Trondheim	NO	Norway	pro	Profitways	pro	Profitways	pro	Profitways Holding	UPDATE

In the example, department Stavanger is padded - repeated - to Hierarchy levels 6 and 5. This means that Planner renders the hierarchy skipping Hierarchy levels 5 and 6 so that when expanding level 4, the department level is displayed as shown in the left margin where Norway (Hierarchy level 4) expands directly to Stavanger (Department).

The same applies to Legal entity that is padded - repeated - to Hierarchy level 3 and 2 so that when expanding Hierarchy level 1 (Profitways holding), the legal entity level is displayed (Profitways).

The number of hierarchical level can be changed, but has to be done using the Profitbase InVision designer and will have to be re-implemented post a Planner upgrade. Legal entity does not have to be a level in the hierarchy, but it has to be present in the table and filled in.

2.3 Account Dimension

#	Column name	Description	Mandatory / Optional	Comment
1	AccountID	ID of the Account	M	
2	AccountID_Name	Description for the Account	M	
3	AccountID_Name_NO	Description for the Account in Norwegian	O	

4	AccountID_Name_EN	Description for the Account in English	O	
6	SignFactor	Tells the sign for the transaction. E.g. expenses recorded as positive number gives SignFactor 1 while sales recorded as negative numbers gives SignFactor -1	M	
7	AccTypeID	Grouping account for Profit&Loss and Balance	M	Profit&Loss type = PL Balance type = BAL
8	AllowInput	True/false Marks the accounts that will be allowed plan input	M	
9	AccountGroupL1ID	ID for hierarchical level 1 (highest level)	M	See comment on hierarchy below
10	AccountGroupL1ID_Name	Description for hierarchical level 1 (highest level)	M	See comment on hierarchy below
11	AccountGroupL1ID_Name_EN	Description for hierarchical level 1 in English	O	
12	AccountGroupL1ID	Description for hierarchical level 1 in Norwegian	O	
13	AccountGroupL2ID	ID for hierarchical level 2	M	See comment on hierarchy below
14	AccountGroupL2ID_Name	Description for hierarchical level 2	M	See comment on hierarchy below
15	AccountGroupL2ID_Name_EN	Description for hierarchical level 2 in English	O	
16	AccountGroupL2ID_Name_NO	Description for hierarchical level 2 in Norwegian	O	

17	AccountGroupL3ID	ID for hierarchical level 3 (level above account)	M	See comment on hierarchy below
18	AccountGroupL3ID_Name	Description for hierarchical level 3 (level above account)	M	See comment on hierarchy below
19	AccountGroupL3ID_Name_EN	Description for hierarchical level 3 in English	O	
20	AccountGroupL3ID_Name_NO	Description for hierarchical level 3 in Norwegian	O	

It is important that AccountIDs of the dimension corresponds to the IDs used for actual general ledger data.

Please note that any non-visual characters such as as carriage return, line feed and so on should not be used for dimension member ids nor descriptions.

Planner requires a common (corporate) account dimension for all companies.

For details on how to switch from the Planner-internal source to an external source, please refer to [Account dimension](#).

2.3.1 [Account dimension hierarchy](#)

The account dimension hierarchy is used for defining Finance settings and not for reporting (see [Report setup](#) for details on reporting dimensions).

When defining settings that relate to account, dimensional levels may be selected using the so-called high level or ranked input selector:

Finance Settings

VAT Payroll Sales Expense Purchase Fixed Assets OBDue Setup Accounts Usage

Save Refresh

VAT %

VAT DueTerm

Legal Entity	Dataset	Account	From Date	Value	Comments
All Legal entities	All Datasets	300 - 300	01/01/1990	25.00 %	
All Legal entities	All Datasets	3015 - Income Accessories	01/01/1990		

Ranked Input

Selected value: 300 - 300

- ▼ All Accounts
- > 1 - Assets
- > 2 - Equity and liabilities
- > 3 - Operating income
- ▼ 300 - 300
 - > 301 - 301
 - > 3010 - Income Spareparts
 - > 3015 - Income Accessories
 - > 3016 - License income 3rd Party B
 - > 3017 - License income Product B
 - > 3018 - License income 3rd Party C

Ok Cancel

This ability to select higher dimensional levels enables fewer settings to be made that cater for all underlying accounts. When designing this hierarchy, the main consideration should therefore be the granularity most suitable for defining finance settings.

The account hierarchy consists by default of 3 levels, L1, L2 and L3 of which L1 is the highest level and L3 is the lowest level, immediately above the account level.

2.4 Report setup

The Reports defined in the report setup are used for reporting in Planner.

The report setup is maintained in Planner in the Report Setup workbook.

Report Setup

Reports Setup Report View Report Data Account

Save Refresh Mapping Check Publish

Report

Filter

Clear

Report ID	Report	Report Line ID	Report Line	Formula	Graph Series	Format	Style	NO: Report Line	EN: Report Line	Sign Factor	IncludeAccountsExp
1	INPUT	Input	IP010 Sales		S1	Number, no decimals		Salg	Sales	-1	3000-3010,3011-3020,3075-3080
2	INPUT	Input	IP020 Other Revenue			Number, no decimals		Andre inntekter	Other Revenue	-1	3300-3998,3999
3	INPUT	Input	IP030 Operating Income	IP010 - IP020		Number, no decimals	Bold/Overline	Inntekter totalt	Operating Income		
4	INPUT	Input	IP040 Cost of Goods		S2	Number, no decimals		Varekost	Cost of Goods	1	4000,4001-4098,4099
5	INPUT	Input	IP050 Other Direct Cost		S3	Number, no decimals		Andre direkte kostnader	Other Direct Cost	1	4100-4999
6	INPUT	Input	IP060 Gross Margin	IP030-IP040-IP050	S4	Number, no decimals	Bold/Overline	Bruttofortjeneste	Gross Profit		
7	INPUT	Input	IP081 Gross Margin %	(IP030-IP040-IP050)/IP030		Percentage, 1 decimal	Bold	Bruttofortjeneste %	Gross Profit %		
8	INPUT	Input	IP070 Payroll		S5	Number, no decimals		Lønn	Payroll	1	5000-5049
9	INPUT	Input	IP100 Other Personnel Cost			Number, no decimals		Andre personalkostnader	Other Personnel Cost	1	5050-5999
10	INPUT	Input	IP110 Personnel Cost	IP070+IP100		Number, no decimals	Bold/Overline	Personalkostnader totalt	Personnel Cost		
11	INPUT	Input	IP120 Other Operating Expenses		S6	Number, no decimals		Driftsutgifter	Other Operating Expenses	1	6100-7999
12	INPUT	Input	IP130 Depreciation and Amortization		S7	Number, no decimals		Avskrivninger	Depreciation and Amortization	1	6000-6099
13	INPUT	Input	IP140 Operating Expenses	IP120+IP130		Number, no decimals	Bold/Overline	Driftsutgifter totalt	Operating Expenses		
14	INPUT	Input	IP150 Operating Profit	IP060-IP110-IP140	S8	Number, no decimals	Bold/Overline/Underline	Driftresultat	Operating Profit		

Any number of reports can be created containing any number of report lines that will *either*:

1. Map to a range of account (ref. column "IncludeAccountsExp")
 - Ranges of accounts are specified comma-separated, for example 3000-3005, 3011-3014 that evaluates to:
 - 3000, 3001, 3002, 3003, 3004, 3005, 3011, 3012, 3013 and 3014

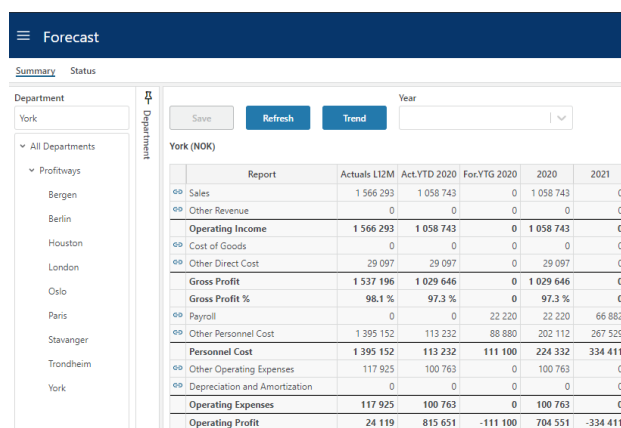
Or

2. Calculate across other report lines (ref. column "Formula")
 - Formulae are specified as arithmetic operations addition (+), subtraction (-), multiplication (*), division (/) between ReportLineIDs, for example IPO10 + IPO20 that evaluates to:
 - The result of report line id IPO10 added to the result of report line id IPO20

Use of normal paranthesis () follow the general rule of paranthesis in arithmetic.

2.4.1 The INPUT report

Reserved for the Plan Overview workbook and acts as a summary and launch site for these.



Report	Actuals L12M	Act.YTD 2020	For.YTG 2020	2020	2021
∞ Sales	1 566 293	1 058 743	0	1 058 743	0
∞ Other Revenue	0	0	0	0	0
Operating Income	1 566 293	1 058 743	0	1 058 743	0
∞ Cost of Goods	0	0	0	0	0
∞ Other Direct Cost	29 097	29 097	0	29 097	0
Gross Profit	1 537 196	1 029 646	0	1 029 646	0
Gross Profit %	98.1 %	97.3 %	0	97.3 %	0
∞ Payroll	0	0	22 220	22 220	66 882
∞ Other Personnel Cost	1 395 152	113 232	88 880	202 112	267 529
Personnel Cost	1 395 152	113 232	111 100	224 332	334 411
∞ Other Operating Expenses	117 925	100 763	0	100 763	0
∞ Depreciation and Amortization	0	0	0	0	0
Operating Expenses	117 925	100 763	0	100 763	0
Operating Profit	24 119	815 651	-111 100	704 551	-334 411

The INPUT report should always be present and set up to map the customer's account dimension.

Note that for the INPUT report, no one account should map to more than one report line.

2.5 Sign factor

Sign factor is relevant in two scenarios

1. *Account* sign factor: a sign factor of -1 tied to an account will:
 - Switch the sign of any historical data
 - Switch the sign of any input data

This would typically apply to income accounts booked with a credit sign that one would like to see and input as a positive amount in an input form.

2. *Report line* sign factor: a report line nets a range of accounts or is a calculation of other report lines.

The report line sign factor indicates whether this net amount should be presented "as is" (sign factor +1) or with the opposite sign (sign factor -1) in this particular report. Note that any report lines that act as calculations of other report lines will perform that calculation based on the values displayed, i.e. after the sign factor has been applied.

2.6 Ledger fact - Actual and other historical transaction datasets

The table below defines the data required for finance general ledger actual data or other datasets such as financial goals or last official financial forecast.

There is no input solution for ledger fact data in Planner, an integration will have to be set up to load data from an external source, ref [Ledger fact](#).

Please note that the ledger fact table contains a number of dimension columns, identified below. For any dimensional column, if used, there id used in the fact transaction must have corresponding id (member) in the dimension.

Please note that any non-visual characters such as carriage return, line feed and so on should not be used for dimension member ids.

For example: a transaction marked with AccountID = 3000 will only make so long as the Account dimension contains a member with ID = 3000.

The following are the mandatory fact columns.

#	Column name	Description	Mandatory / Optional	Comment
1	AccountID	ID corresponding to an item in the Account dimension	M	
2	SYS_DatasetID	Identifier of the transaction dataset, valid values: (Actual Budget Forecast)	M	
3	LegalEntityID	ID corresponding to an item in the Legal Entity dimension	M	Company Code
4	DepartmentID	ID corresponding to an item in the Department dimension	M	
5	TransTypeID	Identifies if the transaction is an opening balance (=0) transaction, a regular transaction (=1) or an elimination transaction (=3), allocation transactions (=4), etc.	M	This "tagging" of transactions is done so that the sum of all give the most complete picture.

6	CurrencyForeignID	Currency code for transactions; e.g. 'NOK', 'SEK', 'EUR', 'USD', 'DKK'.	M	
7	AmountForeign	Transactions amount using at least 2 decimals.	M	The AmountForeign will be converted to the legal entity's functional currency (home currency) in Planner if needed. I.e. transactions for any given legal entity may hold different currencies so long as valid currency exchange rates to and from alle relevant currencies exist in Planner.
8	Transdate	Transaction or booking date.	M	
9	AccTypeID	Classify transaction on account to be 'PL' for profit/loss, 'BAL' for balance transactions. Anything else will not be included in the financial results but may be used for reporting purposes.	M	

In addition to the mandatory information described above, the following dimensional information is optional but may be desirable to include depending on the Planner functionality used and the ability to connect ledger information to these dimensions:

#	Column name	Description	Mandatory / Optional	Comment
1	ProductID	ID <i>corresponding to an item in the Product dimension</i>	O	
2	MarketID	ID <i>corresponding to an item in the Market dimension</i>	O	
3	SupplierID	ID <i>corresponding to an item in the Supplier dimension</i>	O	

4	EmployeeID	ID <i>corresponding to an item in the employee dimension</i>	O	
5	Dim1	ID <i>corresponding to an item in the free dimension #1 (Dim1)</i>	O	
6	Dim2	ID <i>corresponding to an item in the free dimension #2 (Dim2)</i>	O	
7	Dim3	ID <i>corresponding to an item in the free dimension #3 (Dim3)</i>	O	
8	Dim4	ID <i>corresponding to an item in the free dimension #4 (Dim4)</i>	O	
9	ProjectID	ID <i>corresponding to an item in the Project dimension</i>	O	Available from Planner v4.2
10	ActivityID	ID <i>corresponding to an item in the Activity dimension</i>	O	Available from Planner v4.2

For details on how to connect an external source, please refer to [Ledger fact](#).

2.7 Currency Exchange Rates

The *historical* rates are by default fetched from an external source maintained by Profitbase using the operation “Import and Reprocess Exchange Rates”

Filter operations by category

Data Maintenance X | v Add operation Refresh

Operations

Clean Operation History

Generate Time Dimension

Import and Reprocess Exchange Rates

Import and Reprocess Exchange Rates

ExchangeRates

Execute Edit operation

The following currencies are currently handled (additional currencies may be added by contacting Profitbase):

	CurrencyID	CurrencyToID
1	AUD	NOK
2	BGN	NOK
3	BRL	NOK
4	CAD	NOK
5	CHF	NOK
6	CNY	NOK
7	DKK	NOK
8	EUR	NOK
9	GBP	NOK
10	HKD	NOK
11	IDR	NOK
12	INR	NOK
13	JPY	NOK
14	KXN	NOK
15	MYR	NOK
16	NOK	NOK
17	NZD	NOK
18	PHP	NOK
19	PLN	NOK
20	RUB	NOK
21	SEK	NOK
22	SGD	NOK
23	THB	NOK
24	USD	NOK
25	ZAR	NOK

Future exchange rates are managed in the “Currency Exchange Rates and Calendar” workbook and does not require an external source:

Currency Exchange Rates and Calendar profitbase

Exchange Rate Daily Exchange Rate Monthly Setup Workday calendar

Save Refresh Publish

From Currency: NOK To Currency: NOK Year: 2021

Changes and Overrides to Daily Exchange Rates

- Exchange Rate
- Exchange Rate Historical Daily Override

Exchange Rates Daily

Dataset	From Currency	To Currency	From Date	Value	High	Low	Comments
1	NOK	NOK	01/01/2021	1.00000	1.00000	1.00000	Forecast
2	NOK	NOK	01/02/2021	1.00000	1.00000	1.00000	Forecast
3	NOK	NOK	01/03/2021	1.00000	1.00000	1.00000	Forecast
4	NOK	NOK	01/04/2021	1.00000	1.00000	1.00000	Forecast
5	NOK	NOK	01/05/2021	1.00000	1.00000	1.00000	Forecast
6	NOK	NOK	01/06/2021	1.00000	1.00000	1.00000	Forecast
7	NOK	NOK	01/07/2021	1.00000	1.00000	1.00000	Forecast

Note that when adding new rates to currency codes (“Currency” field in image above) that do not exist already, these currency codes are automatically added to the currency dimension.

If *historical* rates are to be fetched from a *customer specific external* source, the following information is required and the steps involved to switch sources from the default source is described in [Currency Exchange rates](#):

#	Column name	Description	Mandatory / Optional	Comment
1	CurrentyID	ID for the currency. 3-letter currency code.	M	
2	ToCurrencyID	Base currency for the exchange rates	M	
2	ExchangeRateDate	'Actual' or 'Budget'	M	
3	DayAverageValue		M	Company Code
4	MonthlyAverageValue		M	
5	MonthlyClosingValue		M	

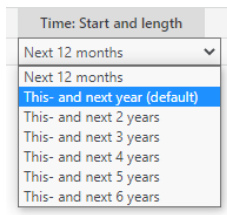
2.8 Time dimension

The time dimension is generated within Planner from the “Finance Settings” workbook within a specific version:



The “Start Date” is established automatically based on the start date of the version.

The “Time: Start and length” is selected from a drop down list of pre-defined options and reflects the planning horizons supported:



Select the option that corresponds to the situation at hand.

The time dimension is automatically re-generated when a new version is rolled forward or initiated.

3 Optional data requirements – depending on functionality used

This section is relevant if the following modules are to be used:

- Personnel
- Driver based
- CapEx
- Fixed Assets

Optional dimensions are:

- Product – mandatory in the Sales modules
- Market – mandatory in the Sales modules
- Project – optional in all modules
- Activity – optional in all modules
- Supplier – optional in the Sales modules
- Asset Group – optional in the CapEx module
- Dim1..Dim4 – optional in all modules
- Employee – mandatory in the Personnel modules

Optional fact data are:

- Personnel fact – current personnel facts such as FTE and monthly salary
- Sales forecast fact – historic data for measures such as Sales Quantity, etc.
- Fixed assets – asset data such as acquisition cost, depreciation rates, etc.

3.1 Dimension data

The following applies to the Product, Market, Supplier, Employee, Dim1..Dim4, Asset Group and (from version 4.2) Project and Activity optional dimensions:

The dimensions are by default maintained in the “Dimensions and Currency Exchange rates” workbook in their respective workbook pages:

id	Project	ProjectID_Name	id	ProjectGroup	ProjectGroup_Name	Last changed	ChangedBy	Modify Type
1	A	Project A	1	Project group 1	Project group 1	01/12/2021		Inserted
2	B	Project B	1	Project group 1	Project group 1	01/12/2021		Inserted
3	C	Project C	2	Project group 2	Project group 2	01/12/2021		Inserted

To maintain this, add data rows manually as required or paste from the relevant excel template, click the “Save” button followed by the “Publish” button.

Please note that deleting dimension members for which input data exists will render those input rows without descriptions but will not affect any input.

The dimensions are by default set up with a group level – columns XYZGroup/XYZGroup_Name for XYZ dimension – this renders as a group level the dimension hierarchy.

#	Column name	Description	Mandatory / Optional	Comment
1	XYZID	The XYZ dimension ID	M	Primary key
2	XYZID_Name	The XYZ dimension ID name	M	
3	XYZGroup	ID for The group level	M	
4	XYZGroup_Name	Name for the Group level	M	

For details on how to switch from the Planner-internal source to an external source, please refer to [All optional dimensions](#).

3.2 Personnel fact

The fact source data contain current FTE and monthly salary data per department/employee combinations:

Department	Departm.	Employee	ProjectName	ActivityName	Dim1Name	Dim2Name	Dim3Name	Dim4Name	Counterpart	Current FTE	Current monthly salary	Bonus	Overtime	Free Car	Training	Misc3	Misc4	Misc5
1	York	001-0								0	25,000	1,000	250	100	150	200	250	300
2	York	001-1								1	25,000	1,000	250	100	150	200	250	300
3	York	001-10								10	25,000	1,000	250	100	150	200	250	300
4	York	001-11								11	25,000	1,000	250	100	150	200	250	300
5	York	001-12								12	25,000	1,000	250	100	150	200	250	300
6	York	001-13								13	25,000	1,000	250	100	150	200	250	300

Note that the personnel modules have a number of optional dimensions and columns that may be included or not. The fact format displayed will display the optional dimensions and columns included with their chosen headings (“Bonus”, “Overtime”, etc in the image above).

#	Column name	Description	Mandatory / Optional	Comment
1	DepartmentID	The department ID	M	
2	EmployeeID	The employee ID	M	Could be the id of an individual employee or that of a group of individuals or function, e.g. “Cleaners”
3	ProjectID	The project ID	O	Available from Planner v4.2. If no value is provided, the default value # is set
4	ActivityID	The activityID	O	Available from Planner v4.2. If no value is provided, the default value # is set
5	Dim1ID	The dim 1 ID	O	Available from Planner v4.2. If no value is provided, the default value # is set
6	Dim2ID	The dim 2 ID	O	Available from Planner v4.2. If no value is provided, the default value # is set
7	Dim3ID	The dim 3 ID	O	Available from Planner v4.2. If no value is provided, the default value # is set
8	Dim4ID	The dim 4 ID	O	Available from Planner v4.2. If no value is provided, the default value # is set
9	FTE	The current FTE position of the employee or group/function at the given department.	M	
10	MonthlySalary	The current monthly salary for a full time FTE for the employee	M	

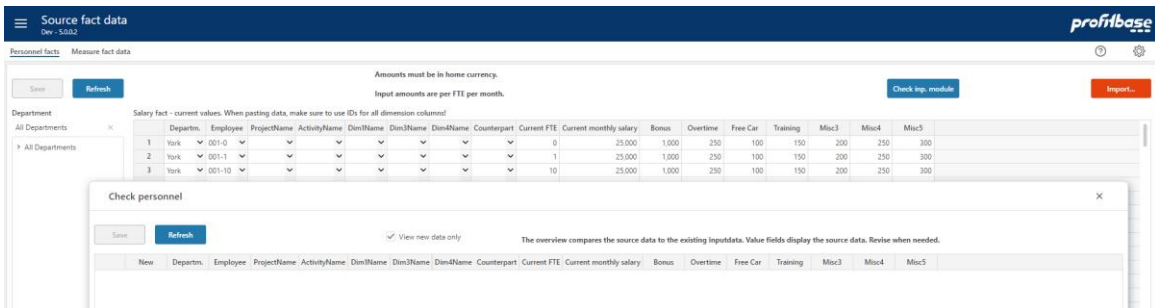
		at the given department.		
11	Bonus	The current monthly benefit for a full time FTE for the employee at the given department.	O	The use of the column is implementation dependant
12	Overtime	The current monthly benefit for a full time FTE for the employee at the given department.	O	The use of the column is implementation dependant
13	Misc1	The current monthly benefit for a full time FTE for the employee at the given department.	O	The use of the column is implementation dependant
14	Misc2	The current monthly benefit for a full time FTE for the employee at the given department.	O	The use of the column is implementation dependant
15	Misc3	The current monthly benefit for a full time FTE for the employee at the given department.	O	The use of the column is implementation dependant
16	Misc4	The current monthly benefit for a full time FTE for the employee at the given department.	O	The use of the column is implementation dependant
17	Misc5	The current monthly benefit for a full time FTE for the employee at the given department.	O	The use of the column is implementation dependant
18	EmployerTaxPctOvr	Override value for employer tax rate	O	Note that an override value will set aside any setting regime that otherwise might apply to this row.

19	PensionEmployerPctOvr	Override value for pension rate (employer's part)	O	Note that an override value will set aside any setting regime that otherwise might apply to this row.
20	PensionEmployeesPctOvr	Override value for pension rate (employee's part)	O	Note that an override value will set aside any setting regime that otherwise might apply to this row.
21	VacationPayPctOvr	Override value for vacation pay rate	O	Note that an override value will set aside any setting regime that otherwise might apply to this row.

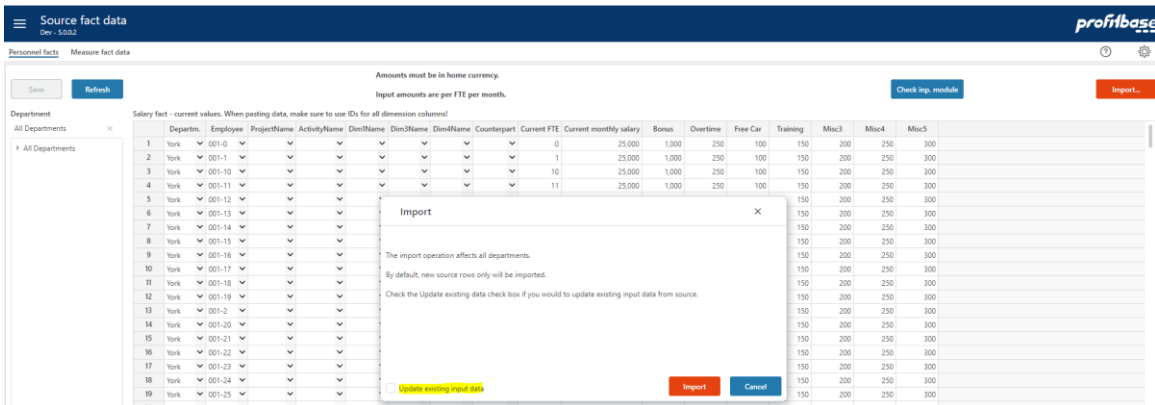
Add new rows as needed or paste selection from the “Personnel fact” excel template. When pasting data, make sure to paste dimension **ids**. A dropdown will evaluate the id against the corresponding dimension and render the dimension **description**. If no description is rendered, just the id, this indicates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

Dimension combinations found in the source and not in the input module will automatically be processed into the module on forecast rollover.

To check which combinations will be processed into the input module, click the “Check inp. module” button. Revise data as appropriate and keep the source fact data current.



The module can be updated manually by clicking the “Import...” button:

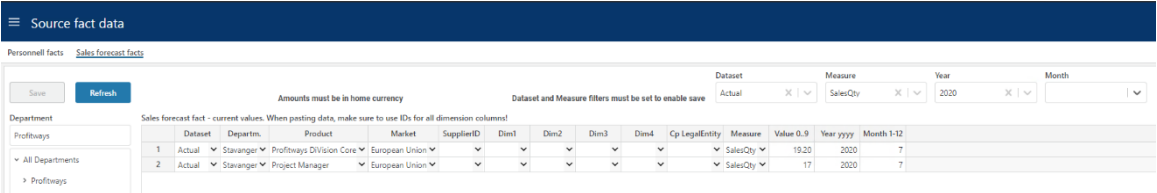


Note that the default is to import new combinations only (i.e. add new rows only to the input store). If existing rows should be updated, the check box “Update existing input data” must be checked.

For details on how to import data from an external source, please refer to [Integration](#).

3.3 Driver based fact

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.

Add new rows as needed or paste selection from the “Sales forecast fact” excel template.

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 name	Description	Mandatory / Optional	Comment
1	DepartmentID	The department ID	M	Primary key
2	ProductID	The product id	M	Primary key
3	MarketID	The market id	M	Primary key
4	SupplierID	The supplier id	O	If no value is provided, the default value # is set
5	ProjectID	The project id	O	Available from Planner v4.2. If no value is provided, the default value # is set

6	ActivityID	The activity id	O	Available from Planner v4.2. If no value is provided, the default value # is set
7	Dim1	The frem dimension #1 id	O	If no value is provided, the default value # is set
8	Dim2	The frem dimension #2 id	O	If no value is provided, the default value # is set
9	Dim3	The frem dimension #3 id	O	If no value is provided, the default value # is set
10	Dim4	The frem dimension #4 id	O	If no value is provided, the default value # is set
11	CPLegalEntityID	Counterpart legal entity id	O	If no value is provided, the default value # is set
12	SystemModelAccountID	The measure id	M	
13	Value	The value (amount, quantity, percentage, etc depending on the nature of the measure)	M	Numeric. Any amounts to be provided I the home currency of the legal entity that the departmentid belongs to. Value will default to 0 if no value is provided.
14	Year		M	4-digit year, for example 2020.
15	Month		M	Month number, 1-12

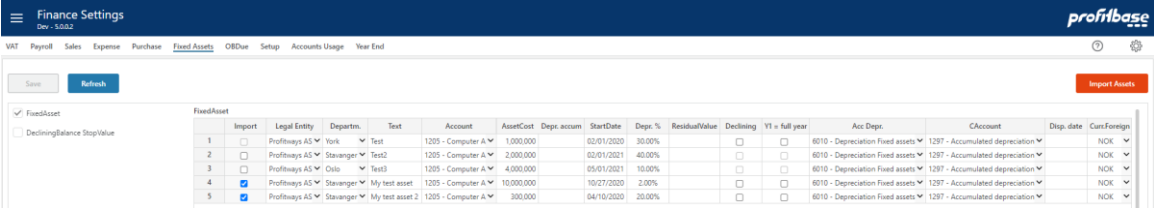
Dimension combinations found in the source and not in the input module for either the last 12 months actuals or any of the (optional) historical reference columns, will automatically be processed into the module on forecast rollover.

The module can also be updated manually by clicking the “Apply...” button in the “Sales Forecast Setup” page of the “Sales Forecast Setup” workbook.

For details on how to import data from an external source, please refer to [Integration](#).

3.4 Fixed assets

Fixed asset data may be input in the “Finance Settings” workbook within a specific version:



The screenshot shows the 'Fixed Assets' section of the Profitbase Finance Settings interface. It features a table with columns for 'Fixed Asset', 'Import', 'Legal Entity', 'Departm.', 'Text', 'Account', 'AssetCost', 'Depr. account', 'Start Date', 'Depr. %', 'Residual Value', 'Declining', 'Y1 = full year', 'Acc. Depr.', 'CAccount', 'Disp. date', and 'Curr. Foreign'. There are five rows of data, with the first two rows having 'Import' checkboxes that are unchecked, and the last three rows having 'Import' checkboxes that are checked. The table also includes a 'DecliningBalance StopValue' checkbox and an 'Import Assets' button.

Fixed Asset	Import	Legal Entity	Departm.	Text	Account	AssetCost	Depr. account	Start Date	Depr. %	Residual Value	Declining	Y1 = full year	Acc. Depr.	CAccount	Disp. date	Curr. Foreign
1	<input type="checkbox"/>	Profitways AS	NOK	Test	1205 - Computer A	1.000.000		02/01/2020	30.00%		<input type="checkbox"/>	<input type="checkbox"/>	6010 - Depreciation Fixed assets	1297 - Accumulated depreciation		NOK
2	<input type="checkbox"/>	Profitways AS	Stavanger	Test2	1205 - Computer A	2.000.000		02/01/2021	40.00%		<input type="checkbox"/>	<input type="checkbox"/>	6010 - Depreciation Fixed assets	1297 - Accumulated depreciation		NOK
3	<input type="checkbox"/>	Profitways AS	Oslo	Test3	1205 - Computer A	4.000.000		05/01/2021	10.00%		<input type="checkbox"/>	<input type="checkbox"/>	6010 - Depreciation Fixed assets	1297 - Accumulated depreciation		NOK
4	<input checked="" type="checkbox"/>	Profitways AS	Stavanger	My test asset	1205 - Computer A	10.000.000		10/27/2020	2.00%		<input type="checkbox"/>	<input type="checkbox"/>	6010 - Depreciation Fixed assets	1297 - Accumulated depreciation		NOK
5	<input checked="" type="checkbox"/>	Profitways AS	Stavanger	My test asset 2	1205 - Computer A	300.000		04/10/2020	20.00%		<input type="checkbox"/>	<input type="checkbox"/>	6010 - Depreciation Fixed assets	1297 - Accumulated depreciation		NOK

See the associated help page (?-icon) for a field description.

For details on how to import data from an external source, please refer to [Integration](#).

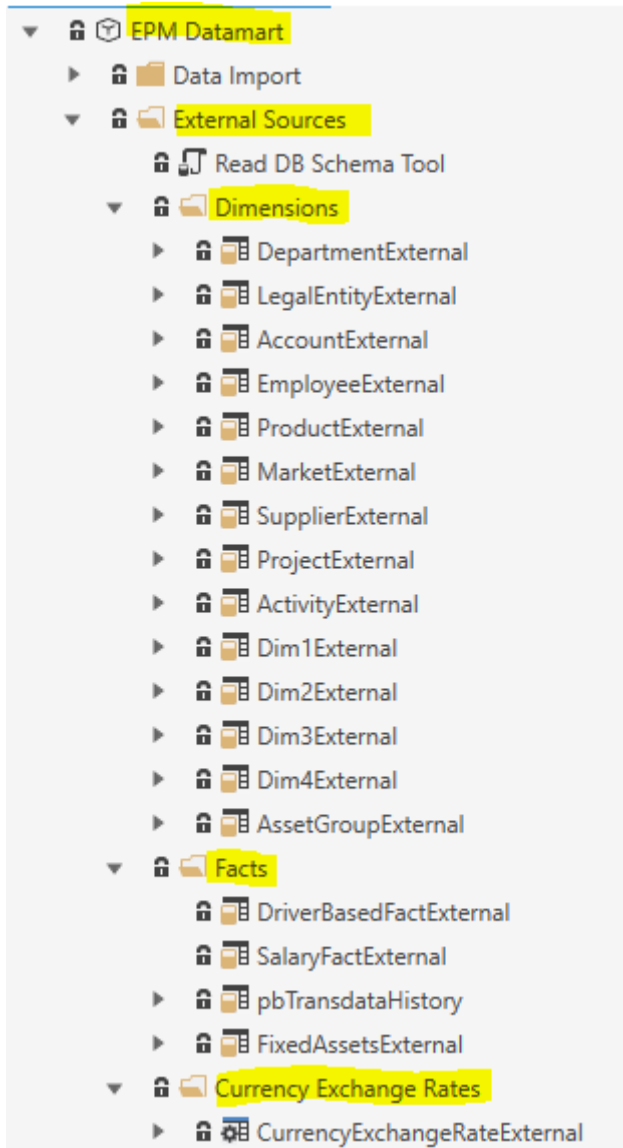
4 Integration

Profitbase Planner is by default set up to be self-served with data and as such dimensions and mots facts can be maintained in Planner. However in many cases it is preferred to use external source for e.g. accounts and ledger fact data.

Integration with Profitbase Planner is done at the database level. A separate package, “EPM Datamart” holds the relevant integration stores.

4.1 Import data from an external source

For import of external data, specific integration stores are defined and reside in the “EPM Datamart” package as seen from Profitbase InVision designer:



Note that any changes done to Planner objects via the InVision designer will be lost after an upgrade.

In order to import external data, these integration stores will have to be filled with relevant data from the external sources. For this purpose, the “Data Import” workbook may be used or Planner-external sql or powershell script logic.

Note that database synonyms are provided for the external objects and should always be used as opposed to the actual table names that are dynamic and will vary over time.

Synonym names are prefixed with “SYN_Datamart_” in front of the logical object names shown above, for example SYN_Datamart_DepartmentExternal will always point to the correct external store for department dimensional data.

Dimension external source synonyms:

SYN_Datamart_DepartmentExternal

SYN_Datamart_LegalEntityExternal

SYN_Datamart_AccountExternal

SYN_Datamart_EmployeeExternal
SYN_Datamart_ProductExternal
SYN_Datamart_MarketExternal
SYN_Datamart_SupplierExternal
SYN_Datamart_ProjectExternal
SYN_Datamart_ActivityExternal
SYN_Datamart_Dim1External
SYN_Datamart_Dim2External
SYN_Datamart_Dim3External
SYN_Datamart_Dim4External
SYN_Datamart_AssetGroupExternal

Fact external source synonyms:

SYN_Datamart_DriverBasedFactExternal (fact data to the driver based module)
SYN_Datamart_SalaryFactExternal (fact data to the Personnel module)
SYN_Datamart_pbTransdataHistory (ledger data for reporting and the account module)
SYN_Datamart_FixedAssetsExternal (fact data to the fixed assets module)

External dimension and fact data data will automatically be taken into account once external sources are filled with data.

Currency Exchange Rates

SYN_Datamart_CurrencyExchangeRateExternal

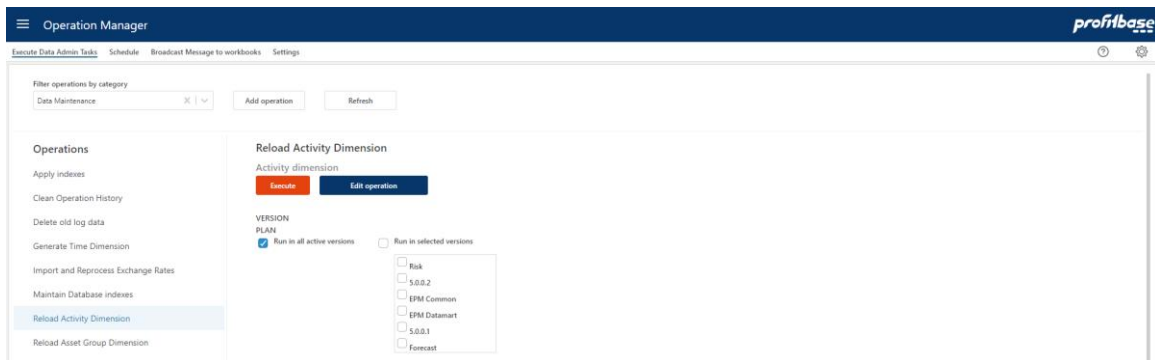
In order to take into account external currency exchange rate data, please refer to [Currency Exchange rates](#) .

4.1.1 Dimensions

Dimensions are updated from the “Dimensions” workbook within a specific version using the “Publish” button in the relevant page:

Legal Entity	Legal Entity Name	Curr.Func.	Operation Type	Default Department	ID	Name	ID	Name	ID	Name	Comments	Modify Type
1	Aco	Aco	NOK	Main	Admin Aco	Aco	Aco	Aco	abc	ABC Group		UPDATE
2	Bco	Bco	EUR	Main	Admin Bco	Bco	Bco	Bco	abc	ABC Group		UPDATE
3	Cco	Cco	GBP	Main	Admin Cco	Cco	Cco	Cco	abc	ABC Group		UPDATE
4	ElimG	Elim ABC Group	NOK	Elimination	Elim ABC Group	ElimG	Elim ABC Group	ElimG	Elim ABC Group	abc	ABC Group	UPDATE
5	pfelim	Elimination	NOK	Elimination	Elimination	pfelim	Elimination	pfelim	Elimination	pfh	Profitways Holding AS	UPDATE
6	pfo	Profitways Focus AS	NOK	Main	Focus Stavanger	pfo	Profitways Focus AS	pfo	Profitways Focus AS	pfh	Profitways Holding AS	UPDATE
7	pro	Profitways AS	NOK	Main	Stavanger	pro	Profitways AS	pro	Profitways AS	pfh	Profitways Holding AS	UPDATE

Dimensions can also be updated from the “Operation Manager” workbook:

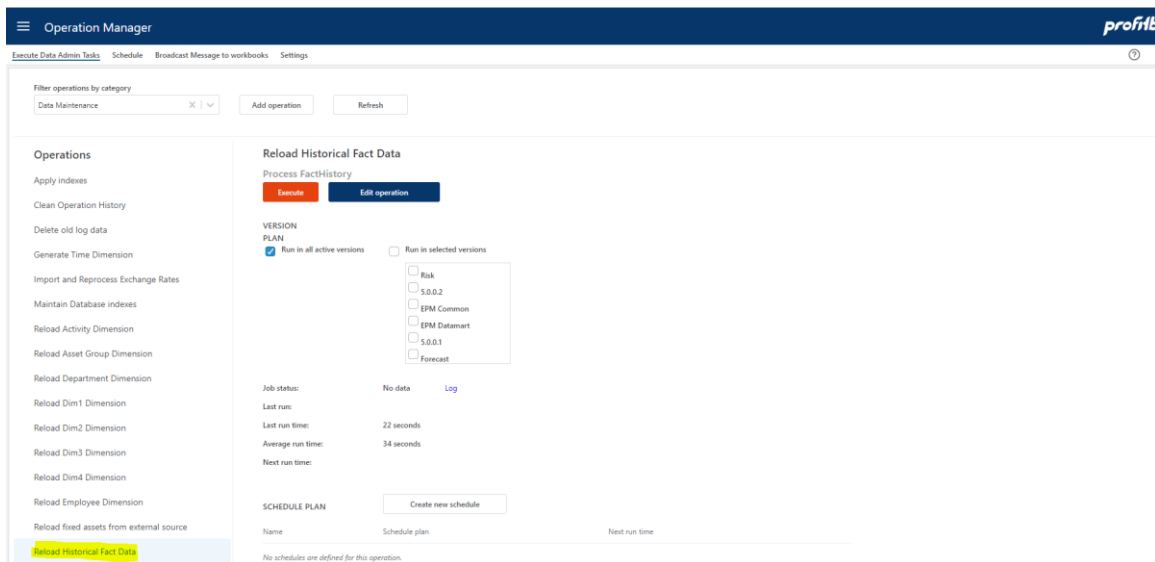


There is one operation per dimension. This operation will update the dimension in the selected versions and can be scheduled.

4.1.2 Fact data

Fact data are automatically updated when a version is rolled forward or initiated.

Fact data can also be manually updated from the “Operation Manager”:



This operation will update the fact data for all facts in the selected versions and can be scheduled.

4.1.3 Currency Exchange rates

Currency Exchange rates in Profitbase Planner by default is based on imported historical rates that is used when doing currency conversion on actual. These rates are imported from a Profitbase data table that provide official daily rates from the European Central Bank.

Future currency conversion rates are by default managed in Planner in the table shown below:

Dimensions and Currency exchange rates

Exchange Rate Daily Exchange Rate Monthly Legal Entity and Department Account Product Market SupplierID Employee Asset Group D

Save

Refresh

Publish

Changes and Overrides to Daily Exchange Rates

Exchange Rate

Exchange Rate Historical Daily Override

Exchange Rate

Currency	Dataset	From Date	Value	High	Low	Comments	IsImported
EUR	*	01/01/1900	9.5000	10.0000	9.3000		<input type="checkbox"/>
EUR	*	01/01/2020	10.0000	11.0000	9.5000		<input type="checkbox"/>
NOK	*	11/26/2006	1.0000				<input type="checkbox"/>
SEK	*	01/01/1900	1.0000				<input type="checkbox"/>
USD	*	01/01/1900	8.5000				<input type="checkbox"/>
USD	*	01/01/2020	9.5000				<input type="checkbox"/>
USD	*	01/01/2021	10.0000				<input type="checkbox"/>

Note that this list of Currency is also used to update the Currency dimension (i.e. the list of available currencies).

Imported future rates is imported to the table above and tagged with a "IsImported" flag. This way you will not overwrite manually added entries, and you can manually override imported entries.

You can also provide your own currencies by making adjustment when setting up the solution. To set up the solution using another source for historical and future currencies you must do the following:

1. In "Operation Administration" edit the "Import and Reprocess Exchange Rates" operation and enable step 1 and disable step 2 ("Copy Local Currency Exchange Rate Data").

Edit operation
×

Operation details
?

OPERATION

Category: Data Maintenance X | ▾

Operation ID: ExchangeRates

Operation Name: (English): Import and Reprocess Exchange Rates

Operation Name: (Norwegian): Importer og rekalkuler valutakurser

Comment:

Also on Publish button under Finance Operation

To import from your own external source, you need to configure the query and enable the first step and disable the second step.

ADD STEP

Select Step type: ▾

Select step: ▾ Type here to filter step selection

Step name (English):

Step name (Norwegian):

Add step

STEPS

Enabled	Step#	Name	Name (NO)	Name (EN)	
<input checked="" type="checkbox"/>	1	Reload CX from External Source	Importer rater fra ekstern kilde	Import Rates from External Source	
<input type="checkbox"/>	2	Copy Local Currency Exchange Rat	Importer historiske rater fra Europeiske	Import historical European Central Ban	
<input checked="" type="checkbox"/>	3	GenerateExchangeRatesDaily	Kalkuler daglige valutakurser for alle d	Process daily exchange rates for all da	
<input checked="" type="checkbox"/>	4	GenerateExchangeRatesMonthly	Kalkuler snitt- og sluttkurs hver måned	Process Monthly Average and Closing	
<input checked="" type="checkbox"/>	5	Update Currency Dimension	Oppdater valutadimensjonen (og filter	Update Currency Dimension and hence	

Delete
Save
Cancel

Import is to the "CurrencyExchangeRateExternal" table defined as follows:

- CurrencyID (nvarchar(50)) – 3-character currency code. This is the rate to convert to base currency. Default here is NOK.
- CurrencyToID (nvarchar(50)) – 3-character currency code. This is the rate for base currency – default NOK.
- DatasetID (nvarchar(50)) – this is the dataset, **the only dataset supported currently is: Actual**
- FromDate – the date the rate is valid from
- Value – decimal(18,4) is the exchange rate as the factor you use to convert from CurrencyID to CurrencyToID. Default this is the rate to convert to NOK.
- High, Low – decimal(18,4) is the high and low rate. These are optional and only relevant for simulation.
- Comments (nvarchar(200)) – optional text string

5 Switching from demo to customer's data

Planner comes with a full set of demo data at deployment.

During the implementation phase a switch from demo to customer data should take place. This applies to dimension data as well as fact and input data.

This switch involves:

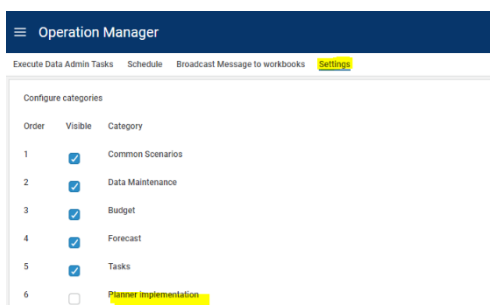
1. Empty the solution for demo data

Please note that this step involves data deletion and should therefore never be executed in a live production system.

2. Input or import customer's data using the Data Import workbook
3. Create a new version using the Version Manager workbook

5.1 Empty the solution for demo data

In the Operation Manager workbook, select the Settings page and enable the "Planner implementation" category:



In the Operation Manager workbook, select the "Execute Data Admin Tasks" page. Select the "Planner implementation" category and the "Empty base data" operation:

Operation Manager

Execute Data Admin Tools | Schedule | Broadcast Message to workbooks | Settings

Filter operations by category: **Planner Implementation**

Operations

Initialize Forecast

Empty base data

Execute | Edit operation

Job status: OK | Log

Last run: 04 Nov 2020, 07:04:59

Last run time: 6 seconds

Average run time: 6 seconds

Next run time:

SCHEDULE PLAN: Create new schedule

Name: | Schedule plan: | Next run time:

No schedules are defined for this operation.

STEPS

#	Type	Step name
1	Script	Empty historic ledger fact table
2	Script	Empty Account dimension (local edit table)
3	Script	Empty LegalEntity dimension (local edit table)
4	Script	Empty Department dimension (local edit table)
5	Script	Empty Employee dimension (local edit table)
6	Script	Empty Product dimension (local edit table)
7	Script	Empty Market dimension (local edit table)
8	Script	Empty Supplier dimension (local edit table)
9	Script	Empty Dim+Dim+ dimension (local edit table)
10	Script	Empty Asset group dimension (local edit table)
11	Script	Empty Account module input data
12	Script	Empty Personnel module fact and input data
13	Script	Empty Sales by CM module fact and input data
14	Script	Empty Sales Forecast module fact and input data
15	Script	Empty Capex input module data
16	Script	Empty Loan module input data
17	Script	Empty Finance report stores

This operation contains multiple steps that are by default disabled.

Click the “Edit operation” button that opens the “Edit operation” dialogue and enable steps as needed:

Operation Manager

Execute Data Admin Tools | Schedule | Broadcast Message to workbooks | Settings

Filter operations by category: **Planner Implementation**

Operations

Initialize Forecast

Empty base data

Execute | Edit operation

Job status: OK | Log

Last run: 04 Nov 2020, 07:04:59

Last run time: 6 seconds

Average run time: 6 seconds

Next run time:

SCHEDULE PLAN: Create new schedule

Name: | Schedule plan: | Next run time:

No schedules are defined for this operation.

STEPS

#	Type	Step name
1	Script	Empty historic ledger fact table
2	Script	Empty Account dimension (local edit table)
3	Script	Empty LegalEntity dimension (local edit table)
4	Script	Empty Department dimension (local edit table)
5	Script	Empty Employee dimension (local edit table)
6	Script	Empty Product dimension (local edit table)
7	Script	Empty Market dimension (local edit table)
8	Script	Empty Supplier dimension (local edit table)
9	Script	Empty Dim+Dim+ dimension (local edit table)
10	Script	Empty Asset group dimension (local edit table)
11	Script	Empty Account module input data

Edit operation

OPERATION

Category: **Planner Implementation** | Comment:

Operation ID: EmptyBaseData | Empty base data

Operation Name (English): Empty base data

Operation Name (Non-English): Tom name data

NOTE: Enabled steps will DELETE data.

Dimension local edit tables (subject to which steps are enabled)

- Ledger fact table (revalider history)

- Budget and forecast input data (Account, Personnel, Sales, CapEx, Loan)

- Plan data (Finance reports)

ADD STEP

Select step type: | Type here to filter step selection

Select step: | Type here to filter step selection

Step name (English):

Step name (Non-English):

STEPS

#	Step	Name (EN)	Name (EN)
<input type="checkbox"/>	1	EmptyHistoricLedgerFactTable	Empty historic ledger fact table
<input type="checkbox"/>	2	EmptyAccountDimension	Empty Account dimension (local edit table)
<input type="checkbox"/>	3	EmptyLegalEntityDimension	Empty LegalEntity dimension (local edit table)
<input type="checkbox"/>	4	EmptyDepartmentDimension	Empty Department dimension (local edit table)
<input type="checkbox"/>	5	EmptyEmployeeDimension	Empty Employee dimension (local edit table)
<input type="checkbox"/>	6	EmptyProductDimension	Empty Product dimension (local edit table)
<input type="checkbox"/>	7	EmptyMarketDimension	Empty Market dimension (local edit table)
<input type="checkbox"/>	8	EmptySupplierDimension	Empty Supplier dimension (local edit table)
<input type="checkbox"/>	9	EmptyDimDimDimension	Empty Dim+Dim+ dimension (local edit table)
<input type="checkbox"/>	10	EmptyAssetGroupDimension	Empty Asset group dimension (local edit table)
<input type="checkbox"/>	11	EmptyAccountModuleInputData	Empty Account module input data

Scroll to the bottom of the “Edit operation” dialogue and click Save.

Execute the “Empty base data” operation by clicking the Execute button.

The “Planner implementation” category should not be visible after go live.