



Future Finance mudeli kohandamine

Veebiseminar
21.01.25





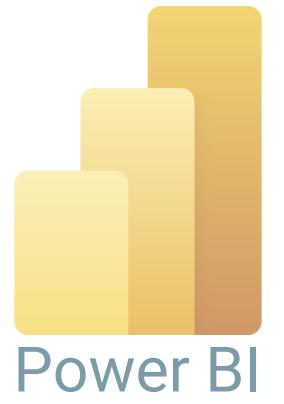
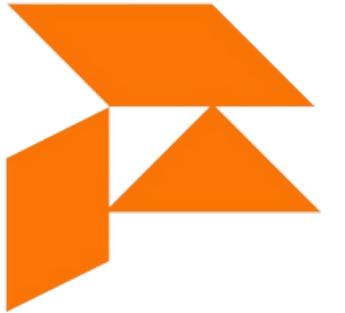
Teemad

- Mis on Future Finance
- Power BI võimalused
- Andmeallika lisamine mudelisse, seoste tegemine ja mõõdikute lisamine



Mis on Future Finance?

Raamatupidamistarkvara



Mis on Power BI?

Power BI: **andmeanalüüs**i tööriist, andmete **visualiseerimine** ja ühendamine

Sarnane Excelile, kuid andmetöötuses palju võimekam. Võimaldab ühendada mistahes andmeallika.





Power BI võimalused

- Interaktiivne andmeanalüüs ja visualiseerimine
- Mitmekesiste andmeallikate integreerimine
- Automatiseeritud värskendused ja reaalajas andmed
- Keerukam analüüs ja DAX-keel
- Raportite jagamine





Customize your model

- Customize power bi model
- Eelarvestamine - konto, kulukohtade- ja projektipõhine eelarvestamine
- Holding ettevõtted
- Konsolideerimine



What is customizable?

Everything.

The default model is not editable.

Upon the default model, you can use:

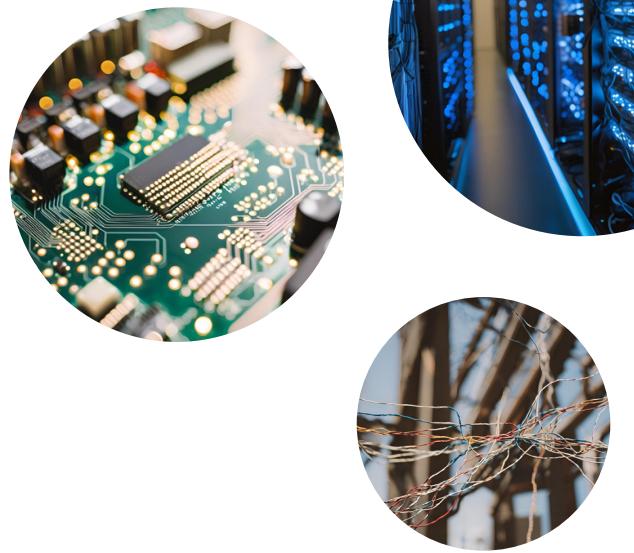
> visual measures

If you want to add more custom logic, e.g. additional tables, you have to use a custom model

- tables, measures, sources, ...



How to make a local model



Connect to the dataset in your workspace and press “make changes to the model”

The screenshot shows the Power BI desktop application. The top menu bar includes File, Home, Insert, Modeling, View, Optimize, Help, and External tools. The ribbon has sections for Clipboard, Get data, Data, Queries, Transform data, New visual, More visual, Quick measure, Calculations, Sensitivity, and Publish. The left side features a 'Visualizations' pane with various chart icons and a 'Data' pane listing data fields like Measure, Account, AccountBalance, etc. The main area is titled 'Build visuals with your data' and shows a small icon of a chart with a dashed line. The status bar at the bottom displays the message 'Connected live to the Power BI dataset: CustomerA_Dataset in CustomerA Make changes to this model'. A large orange arrow points from the status bar towards the 'Make changes to this model' link.

Connected live to the Power BI dataset: CustomerA_Dataset in CustomerA [Make changes to this model](#)

Täpsemad juhised leiad siit : [juhend](#)



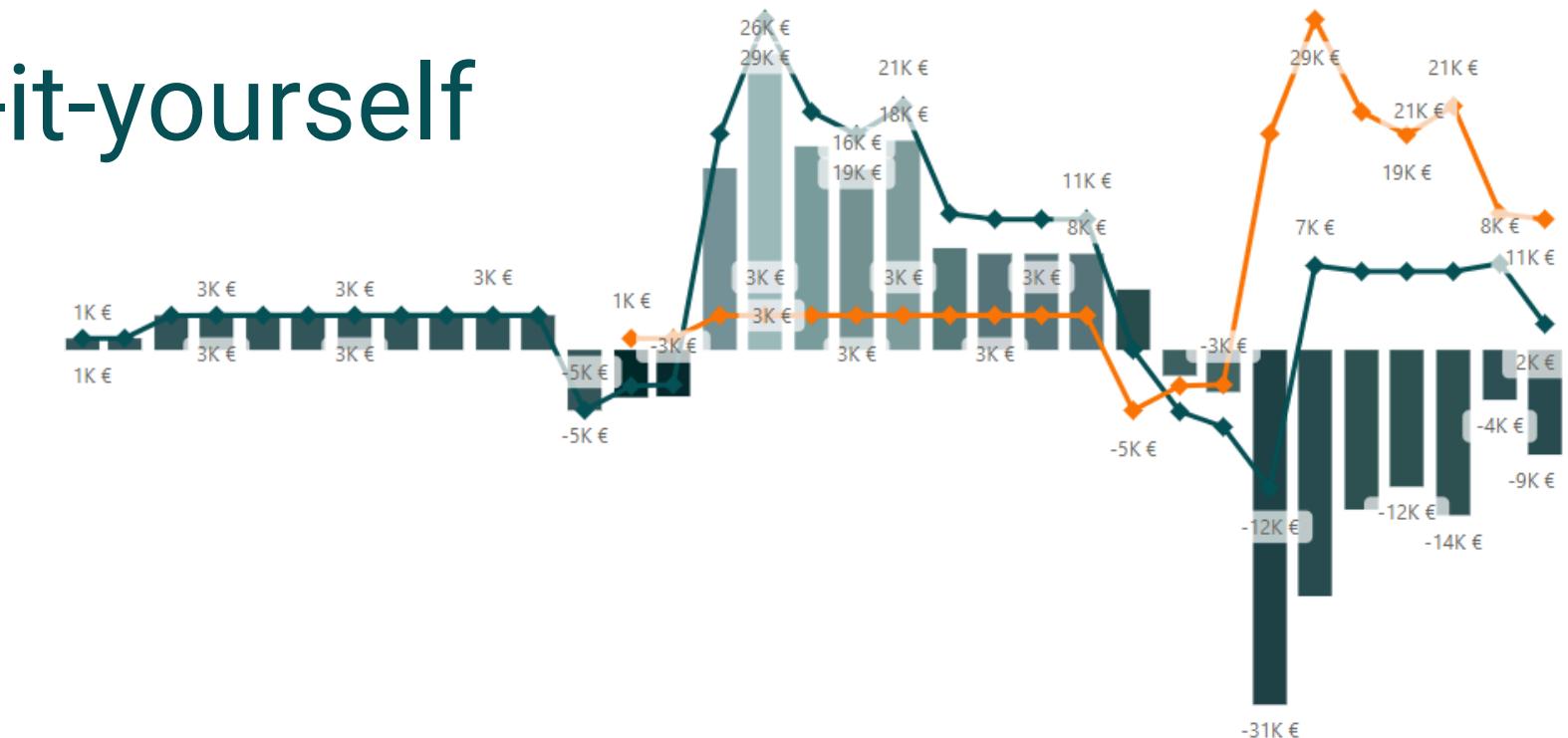
Budget

Eelarvestamine - konto,
kulukohtade- ja projektipõhine eelarvestamine

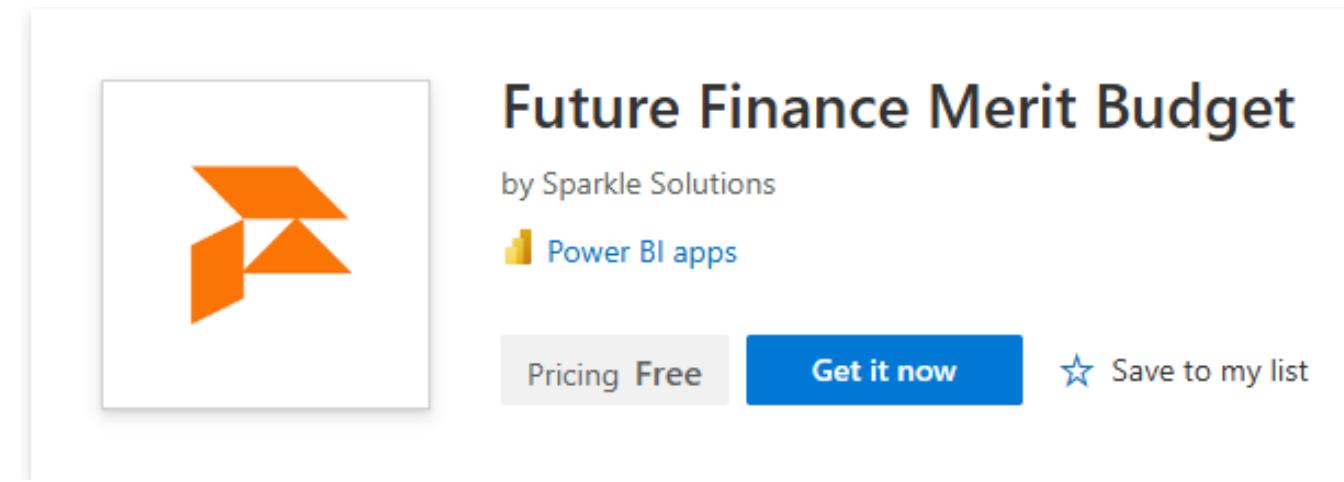
1. Scenario 1: account based budgeting / forecasting
2. Scenario 2: project / cost center based budgeting / forecasting

Options:

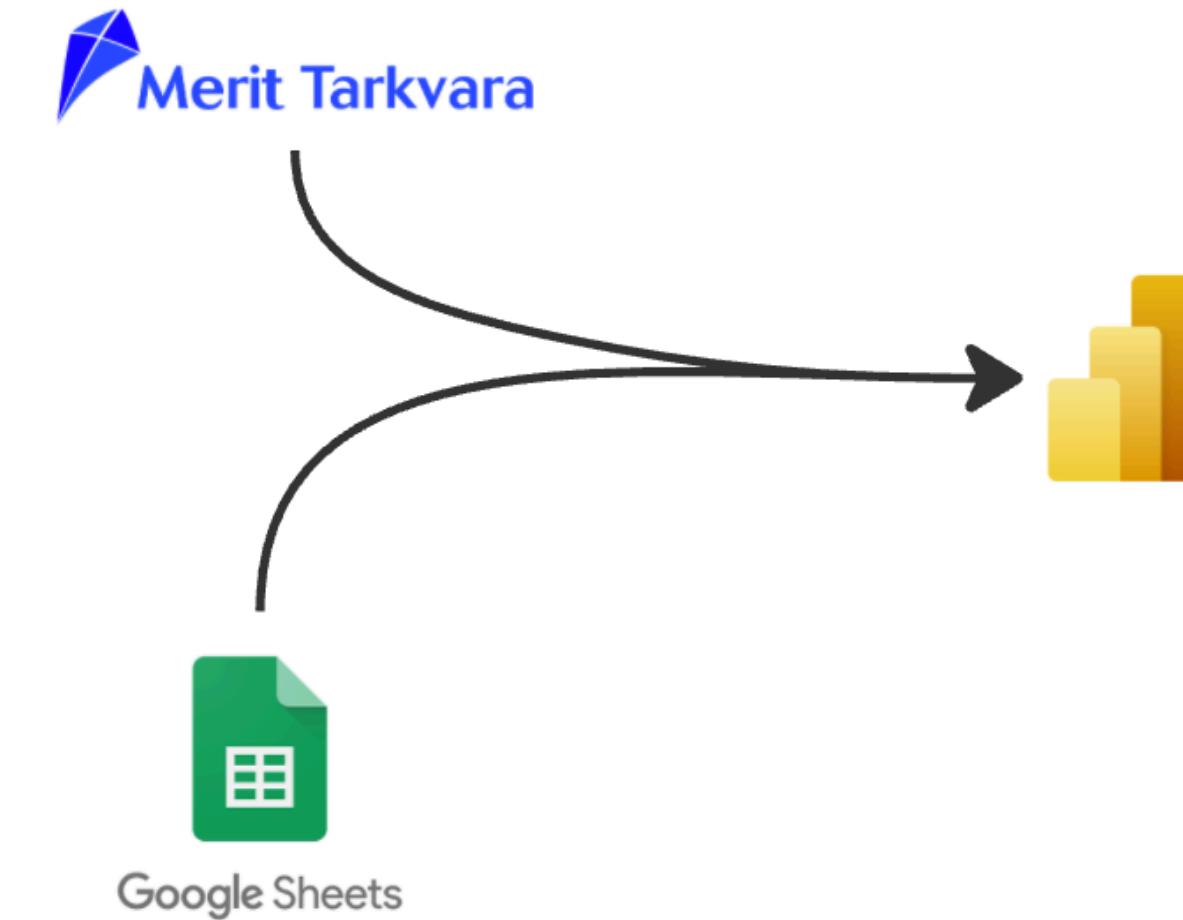
Use the premade version or the build-it-yourself



Budget - Scenario 1: account based budgeting / forecasting: premade solution



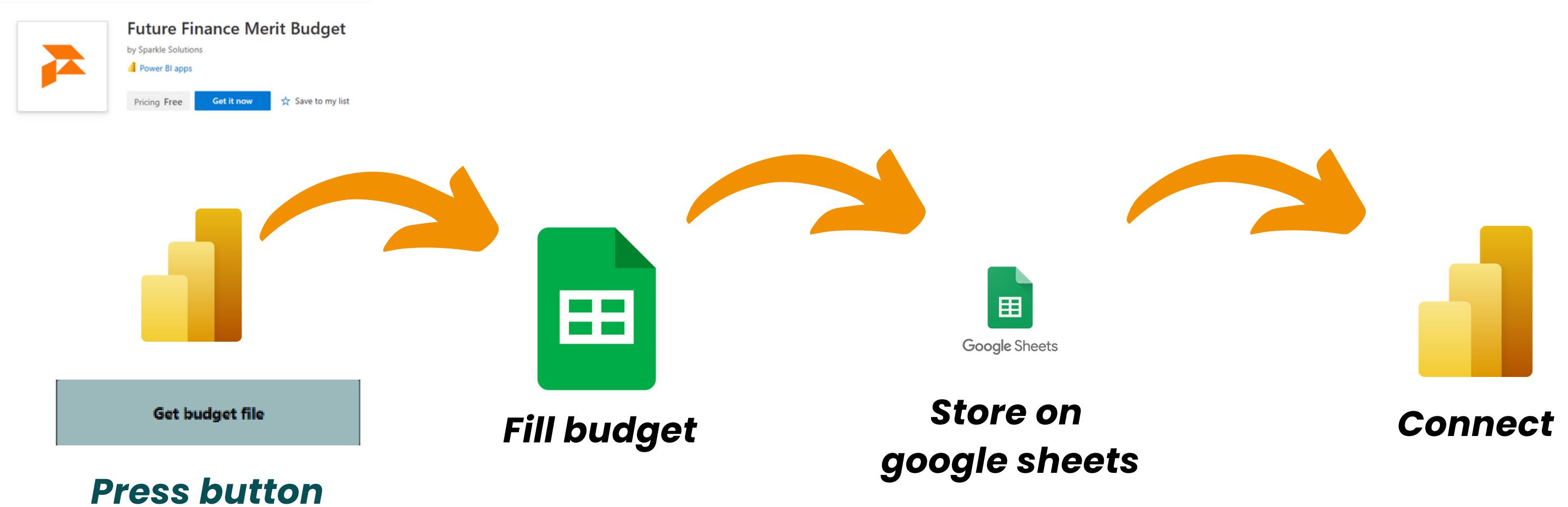
1. Fill in the budget
2. Link it to google sheets





Budgeting with budget tool

Budgeting



Täpsemad juhised leiad siit: [juhend](#)

Budgeting

Use the power bi report

Budget - Get budget file

Get a sample file

A	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	0	1	26	27	28	29	30	31	32	33	34	35	36	37
3	AccountCode	AccountName												
4	3000	Kauba, teenuse müük Eestis 20%	2025	01 2025	02 2025	03 2025	04 2025	05 2025	06 2025	07 2025	08 2025	09 2025	10 2025	11 2025
5	3075	Kasutatud kauba müügil 20% maksustatav kasum												
6	3099	Ümardused												
7	4000	Müüdud kaubad soetushinnas												
8	4009	Alltöövõtutööd												
9	4020	Kütus												
10	4320	IT teenused, arvutarvikud												
11	4395	Muud tegevuskulud												
12	4710	Palgakulu												
13	4720	Sotsiaalmaksukulu												
14	2386	Muude maksude (sh.tollimaks, raskeveokimaks) võlad												
15	3080	Metallijäätmete, kinnisaja, väärismetallide müük												
16	2450	Muud kreditoosed võlad												
17	3010	Kauba müük Eur.Liitu 0%												
18	3920	Kapital.väljaminekud omatarbeks põhivara valmistamisel												
19	1208	Ebatõenäoliselt laekuvad arved												
20	4810	Põhivarade amortisatsioonikulu												
21	4510	Töölühetuse kulud												
22	2401	Väljamaksma dividendidelt arvest. tulumaks												
23	1280	Nõue osaniku vastu												
24	4099	Customers' crypto liabilities												
25	1230	Nõuded aruandvate isikute vastu												
26	4004	Väheväärtuslik põhivara												
27	1830	Transpordivahendid												
28	4660	Erioodustuselt (omatarbelt) arvest. 9% käibemaks												
29	4440	Autode remont, hooldus												
30	4350	Lootusetud debitoosed võlad												
31	4340	Panusteennus												

Selected time: 2024

BUDGET VS ACTUALS

Time: 2024

Get budget file

Budget Details

Income (actual)	Budget	Budget Δ	Profit/loss (actual)	Budget profit/loss	Budget Δ profit/loss
4.893K€	--	4.893K	-19.467K€	--	-19.467K
Expenses (actual)	Budget	Budget Δ			
24.360K€	--	24.360K			

January 2024	February 2024	March 2024	April 2024	May 2024	June 2024	September 2024	October 2024	Total
Profit	0.00 €	-5,400.00 €	-990.73 €	-5,400.00 €	330.00 €	-500.00 €	-2,196.00 €	-5,310.00 € -19,466.73 €
Budget profit	0.00	-5,400.00	-990.73	-5,400.00	330.00	-500.00	-2,196.00	-5,310.00 -19,466.73
Budget Δ profit								

Filter:

- Select all
- Profit
 - Profit
 - Budget profit
 - Budget Δ profit
- Income
 - Total income
 - Total income LY
 - Total income YoY%
 - Budget
 - Budget Δ
 - Budget Δ YTD
 - Budget Δ %
- Expenses



Budgeting

Budget

A	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	0	26	27	28	29	30	31	32	33	34	35	36	37	38
Budget 2025														
3 AccountCode	AccountName	2025	01 2025	02 2025	03 2025	04 2025	05 2025	06 2025	07 2025	08 2025	09 2025	10 2025	11 2025	12 2025
4 3000	Kauba, teenuse müük Eestis 20%													
5 3075	Kasutatud kauba müügil 20% maksustatav kasum													
6 3099	Ümardused													
7 4000	Müüdud kaubad soetushinnas													
8 4009	Alltöövõtutööd													
9 4020	Kütus													
10 4320	IT teenused, arvutarvikud													
11 4395	Muud tegevuskulud													
12 4710	Palgakulu													
13 4720	Sotsiaalmaksukulu													
14 2386	Muude maksude (sh.tollimaks, raskeveokimaks) võlad													
15 3080	Metallijäätmete, kinnisasja, väärismallide müük													
16 2450	Muud kreditoersed võlad													
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27 1830	Transpordivahendid													
28 4660	Erisoodustuselt (omatarbelt) arvest. 9% käibemaks													
29 4440	Autode remont, hooldus													
30 4350	Lootusetud debitoersed võlad													
31 4340	Paneateenius													

Store the google sheets link under “parameters”

BudgetFileLocation_GS *

GoogleSheets

https://docs.google.com/spreadsheets/d/1Sybrq6tRI07ulCX-J_llfkF8y7hGBsq1

Fill in the numbers

Budgeting

Use the power bi report

Select all

- Kasum
 - Kasum
 - Eelarve kasum
 - Eelarve Δ kasum
- Kulud
 - Kulud
 - Kulud eelmisel aastal
 - Kulud YoY%
 - Eelarve
 - Eelarve Δ
 - Eelarve Δ YTD
 - Eelarve Δ %
- Tulud
 - Tulud
 - Tulud eelmisel aastal
 - Tulud YoY%
 - Eelarve
 - Eelarve Δ
 - Eelarve Δ YTD
 - Eelarve Δ %

Tulud	Eelarve	Eelarve Δ	Kulud	Eelarve	Eelarve Δ
68.986K€	48.000K€	20.986K	37.360K€	156.000K€	-118.640K

Kuu	Jaanuar			Veebruar			Märts	
Konto grupp	Kasum	Eelarve kasum	Eelarve Δ kasum	Kasum	Eelarve kasum	Eelarve Δ kasum	Kasum	Eelarve kasum
Tulu	2,000.00 €	4,000.00	-2,000.00		4,000.00	-4,000.00	663.27 €	4,000
Müügitulu	2,000.00 €	4,000.00	-2,000.00		4,000.00	-4,000.00	663.27 €	4,000
3000-Kuba, teenuse müük Eestis 20%	2,000.00 €	1,000.00	1,000.00		1,000.00	-1,000.00	663.27 €	1,000
3010-Kuba müük Eur.Liitu 0%		1,000.00	-1,000.00		1,000.00	-1,000.00		1,000
3015-Teenuse müük Eur.Liitu 0%		1,000.00	-1,000.00		1,000.00	-1,000.00		1,000
3040-Müügitulu 9%		1,000.00	-1,000.00		1,000.00	-1,000.00		1,000
3099-Ümardused								
Kulu	-2,000.00 €	-13,000.00	11,000.00	-5,400.00 €	-13,000.00	7,600.00	-2,000.00 €	-13,000
Kaubad, toore, materjal ja teenused	-2,000.00 €	-4,000.00	2,000.00		-4,000.00	4,000.00	-2,000.00 €	-4,000
Mitmesugused tegevuskulud		-7,000.00	7,000.00		-7,000.00	7,000.00		-7,000
Palgakulu		-1,000.00	1,000.00	-5,000.00 €	-1,000.00	-4,000.00		-1,000
Sotsiaalmaksud		-1,000.00	1,000.00	-400.00 €	-1,000.00	600.00		-1,000
Kokku	0.00 €	-9,000.00	9,000.00	-5,400.00 €	-9,000.00	3,600.00	-1,336.73 €	-9,000

Budget - Make your own version

Possible to make your own version

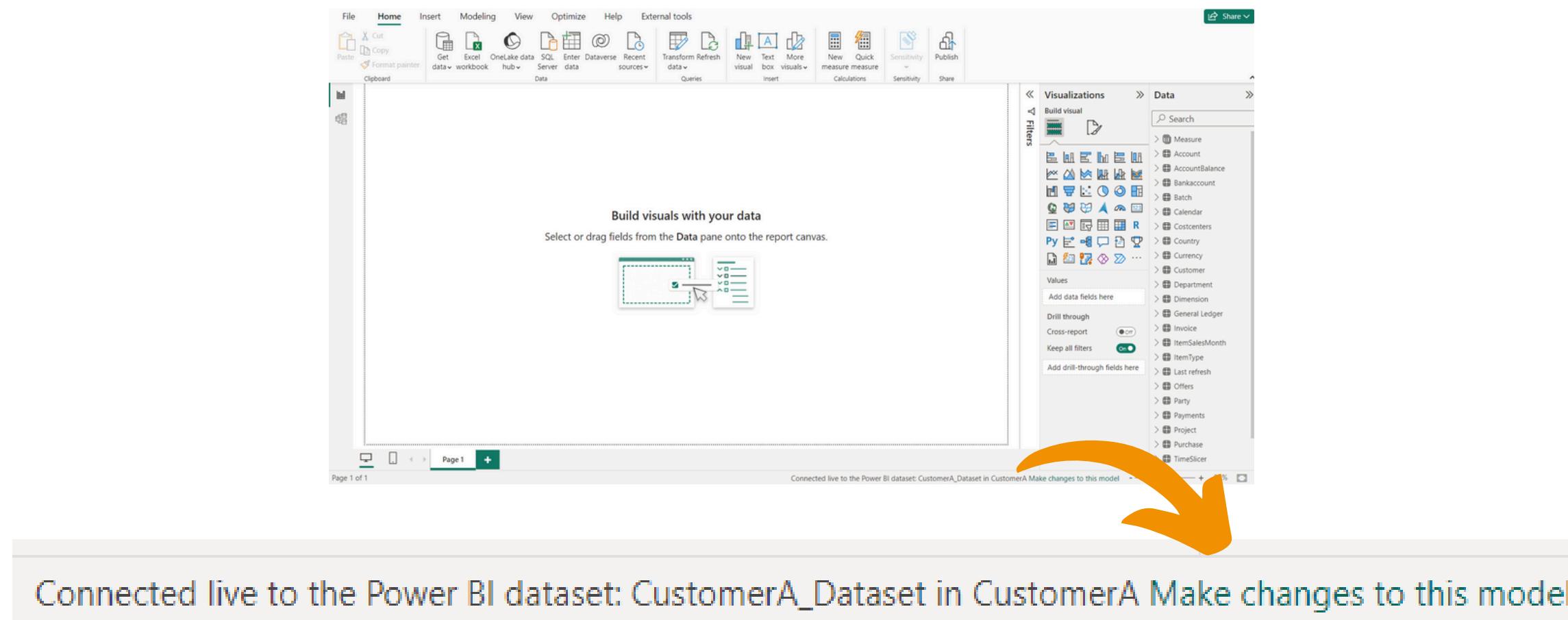
- sharepoint instead of google
- different visuals



Make your own version

General steps

1. Store the result file (excel) on cloud storage (e.g. sharepoint, google sheets, ...)
2. Make a local model. Connect to the dataset in your workspace and press “make changes to the model”



Specific steps (depending on your budget type)

3. Link the dimensions



Make your own version

1. Create the excel / google sheets file

For Account budgeting

- Excel file contains following columns
- Account ID, Year, Budget value

Account ID	Year	Budget amount
3000	2023	3000
3010	2023	100
3015	2023	300
3040	2023	700
4430	2023	5000

For project budgeting

- Excel file should contain project code

2. Link the table into power bi

(from sharepoint, google sheets, or other supported cloud source)



Loading the excel file

Add your excel file to the Power BI dataset

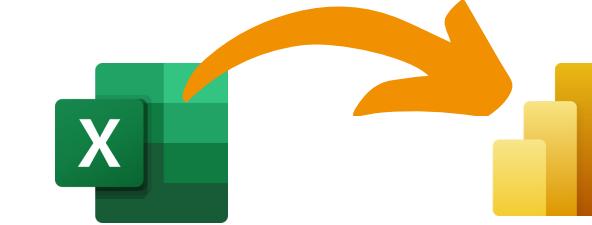
- Get data > SharePoint, Google Sheets or etc. (where your excel file is located)
- Transform data and select your excel file sheets (BudgetFact and BudgetDimension)
- Optionally: In Power Query you can see if the column headers are correct if not you can click on “Use first row as Headers”
- Close and Apply

The screenshot shows the Microsoft Power Query ribbon at the top with various tabs like File, Home, Transform, Add Column, View, Tools, and Help. Below the ribbon is a toolbar with icons for Close & Apply, New Source, Refresh, Data source settings, Manage Parameters, Refresh Preview, Properties, Advanced Editor, and others. The main area is divided into two sections: 'Queries [78]' on the left and a 'Query Editor' on the right. The 'Query Editor' displays a table with columns: Group, Subgroup, Account name, and Account ID. The table data is as follows:

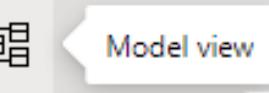
	Group	Subgroup	Account name	Account ID
1	Income	Revenue	Sales of goods, services in Estonia 20%	3000
2	Income	Revenue	Sales of goods to the EU 0%	3010
3	Income	Revenue	Sales of services to the EU 0%	3015
4	Income	Revenue	Net sales 9%	3040
5	Expenses	Raw materials and consumables used	Car fuel	4430

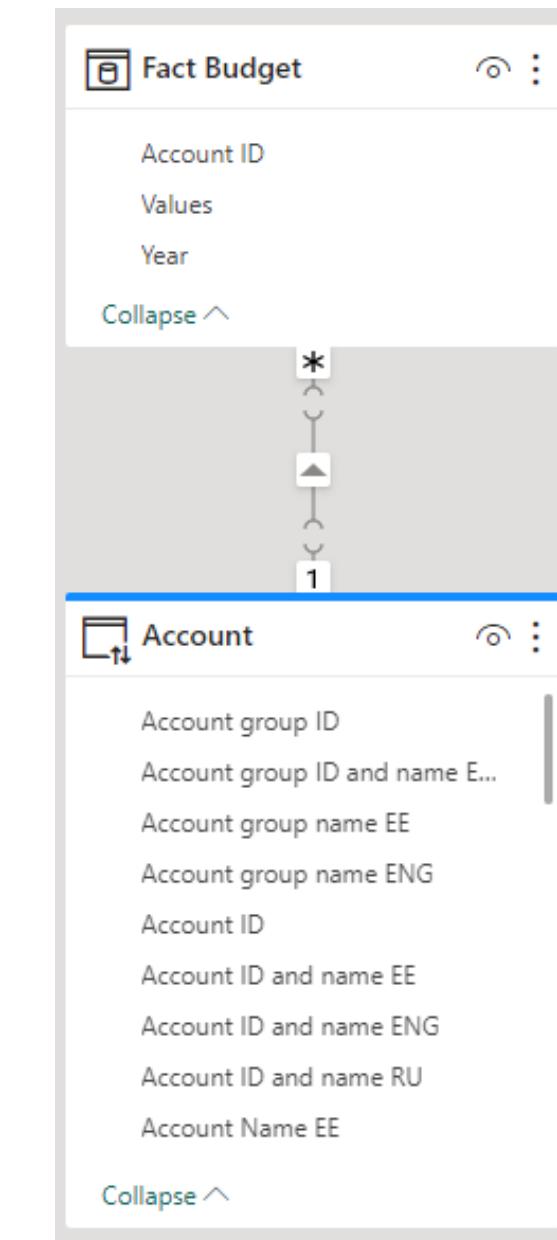
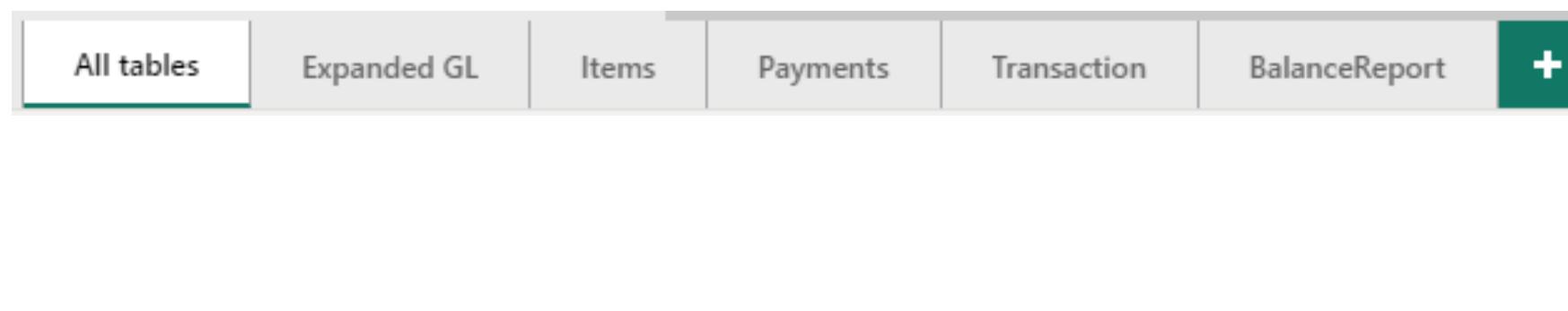


Linking the excel / google sheets file



Connecting tables into model

- Go to model view 
- By pressing plus sign on the bottom, you can make a new layout



The screenshot shows the Power BI Relationships pane. At the top, there is a table named "Fact Budget" with columns: Account ID, Values, and Year. Below it, there is a table named "Account" with columns: Account group ID, Account group ID and name EE, Account group name EE, Account group name ENG, Account ID, Account ID and name EE, Account ID and name ENG, Account ID and name RU, and Account Name EE. A relationship is being established between the "Fact Budget" table and the "Account" table, specifically on the "Account ID" column. The relationship type is marked with an asterisk (*) at the top and a 1 at the bottom.

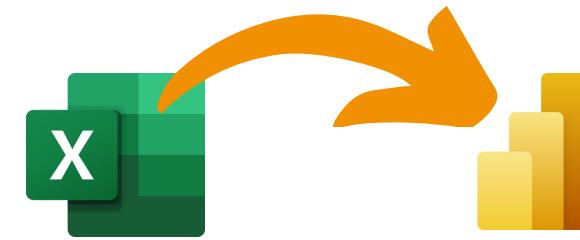
Add a relationship from **Account ID to Account ID**

Here the table is named “Fact Budget”, and the relationship is on Account ID. If the column names and column types are identical, power bi creates the relationship automatically



Budget

Linking the excel / google sheets file



Adding the relationships

Link to Fact budget

Link to the date dimension
(calendar)

Create relationship

Select tables and columns that are related.

Calendar

Date	DayOfMonth	Year	MonthName	Month Number	Day of week	Day Name	Year-month
01/07/2022	1	2022	July	7	6	Friday	July 2022
02/07/2022	2	2022	July	7	7	Saturday	July 2022
03/07/2022	3	2022	July	7	1	Sunday	July 2022

Fact Budget

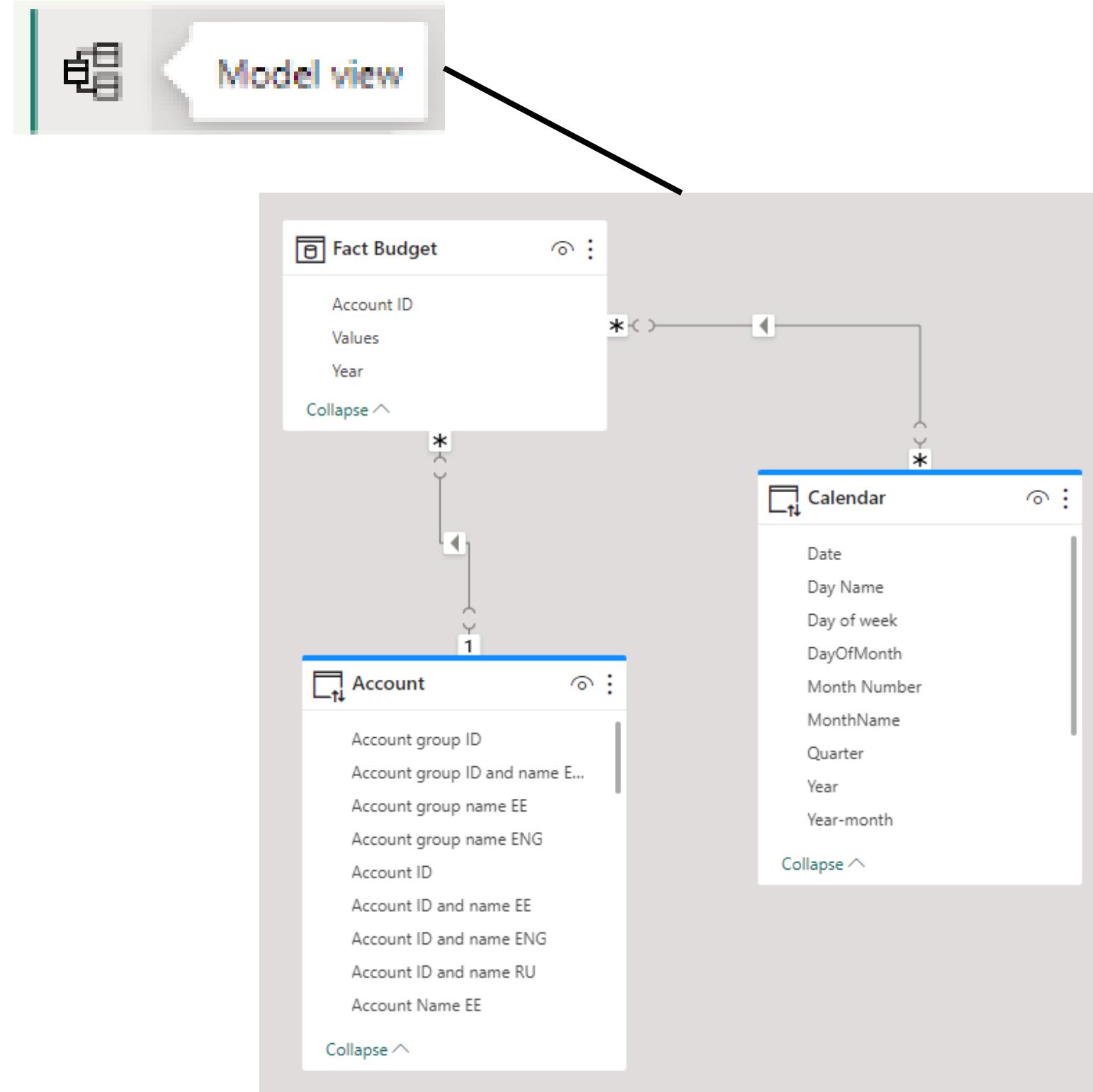
Account ID	Year	Values
3100	2022	375000
3613	2022	120000
3161	2022	43000

Cardinality: Many to many (*) Cross filter direction: Single (Calendar filters Fact Budget)

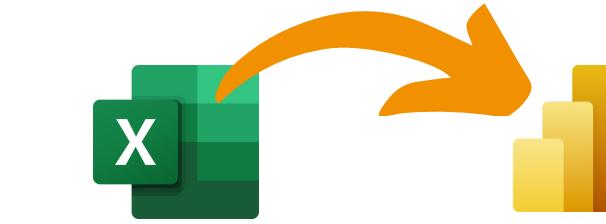
Make this relationship active Assume referential integrity

This relationship has cardinality Many-Many. This should only be used if it is expected that neither column (Year and Year) contains unique values, and that the significantly different behavior of Many-many relationships is understood. [Learn more](#)

OK Cancel

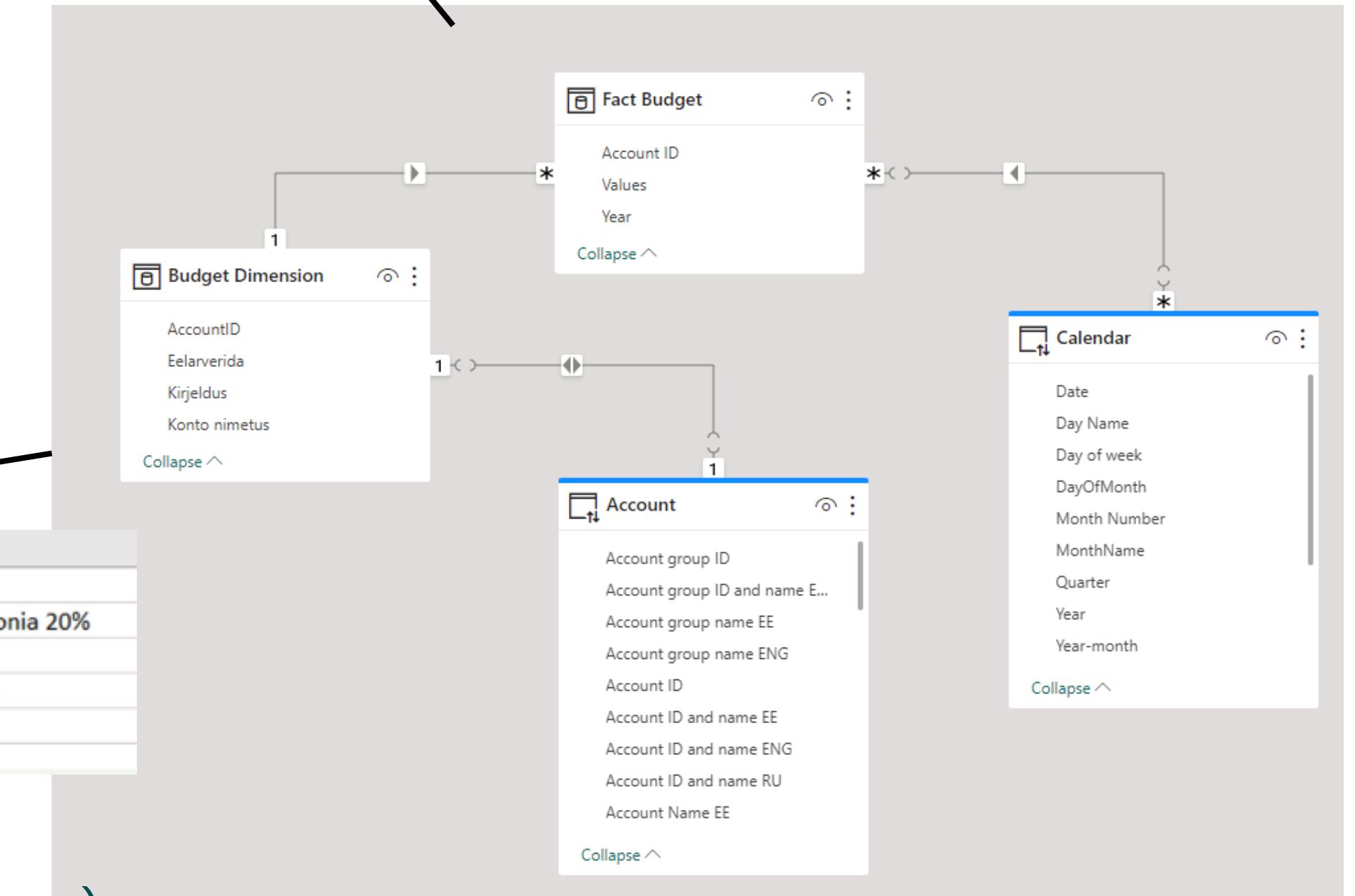


Linking the excel / google sheets file



What if you have specific account budget groups?
Then you define the relationship between account and budget to run over the account groups, instead of doing this directly

1	2	3
Group	Subgroup	Account name
Income	Revenue	Sales of goods, services in Estonia 20%
Income	Revenue	Sales of goods to the EU 0%
Income	Revenue	Sales of services to the EU 0%
Income	Revenue	Net sales 9%
Expenses	Raw materials and consumables used	Car fuel



Relationships full list:

BudgetDimension - Account (via Account ID)

BudgetDimension - BudgetFact (via Account ID)

BudgetFact - Calendar (via year), many to many



Customize your model

- Customize power bi model
- Eelarvestamine - konto, kulukohtade- ja projektipõhine eelarvestamine
- **Combining companies**
- Konsolideerimine



Combining companies

What?

combining the financial statements of a different companies
(e.g. parent and daughter) into one power bi view.

How?

- Add multiple API keys in the parameters
- (optional): Add a parameter table with mapped accounts

The screenshot shows the configuration interface for the 'Connect to Future Finance Merit' app. It includes a logo, a title, a description, and two input fields for 'ApiKey' and 'Apild'.

Connect to Future Finance Merit

Get started setting up your app! Start by filling in the parameters. Then, you'll authenticate to all the data sources this app connects to.

Parameters
Make sure all required (*) parameters are filled in before connecting to your data.

ApiKey *
For example: YourApiKey1;(optional: YourApiKey2;YourApiKey3;...)

Apild *
For example: YourApild;(optional: YourApild2;YourApild3;...)



Customize your model

- Customize power bi model
- Eelarvestamine - konto, kulukohtade- ja projektipõhine eelarvestamine
- Combining companies
- **Konsolideerimine**



Consolidation

What?

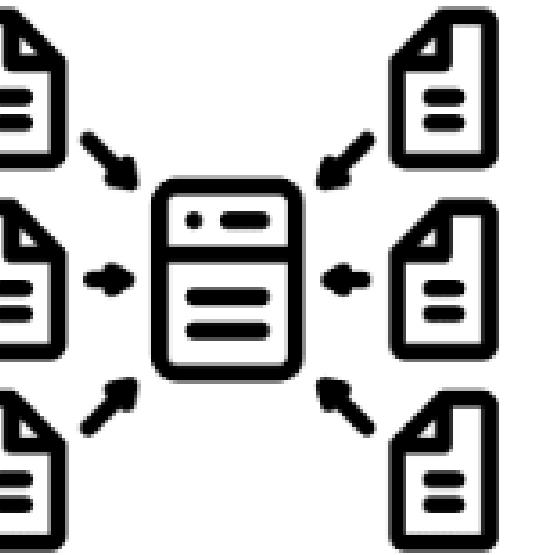
combining the financial statements of a parent company and its subsidiaries into a single set of financial statements

Sources:

- Accountancy system (extracts)
 - P&L
 - Balance sheet

Challenges

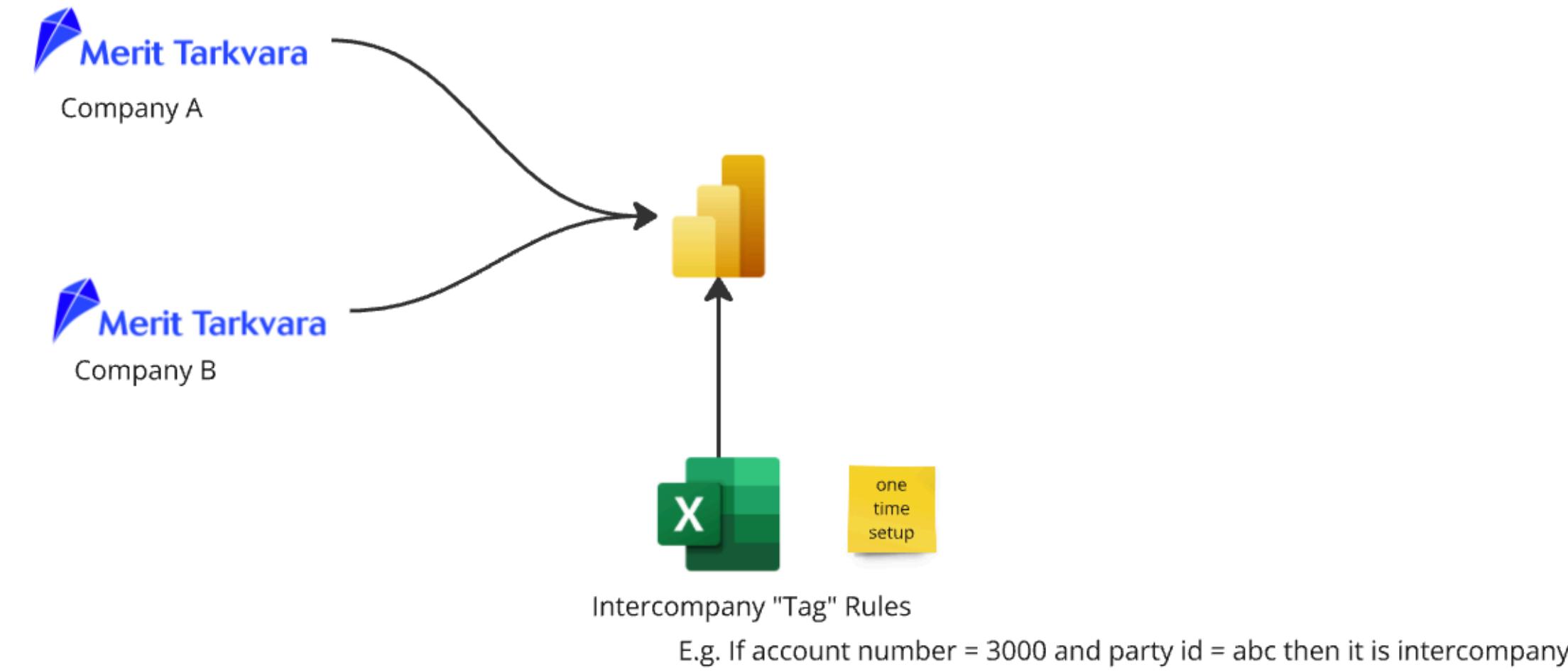
- Intercompany transactions
- Unifying and mapping accounts
- Choice of the consolidation method





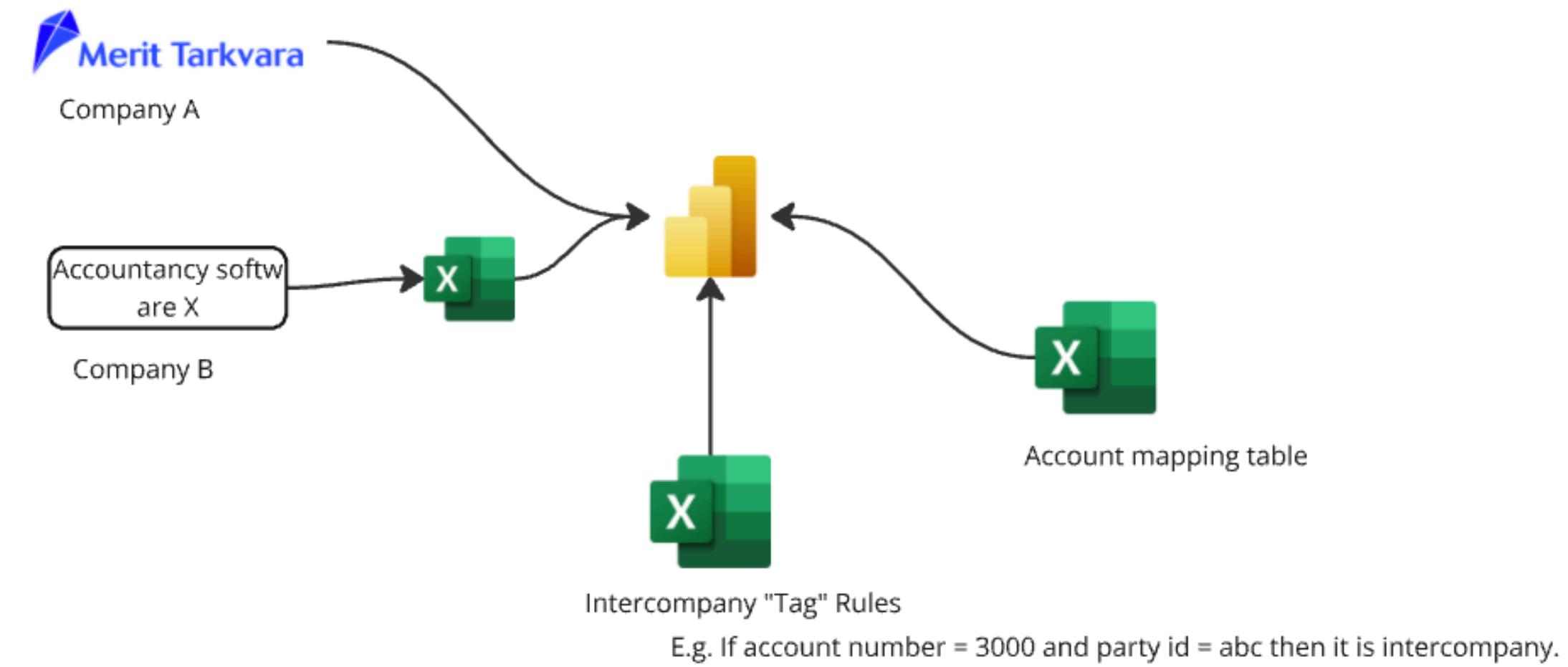
Case 1: parent and daughter(s) exist in same accountancy system

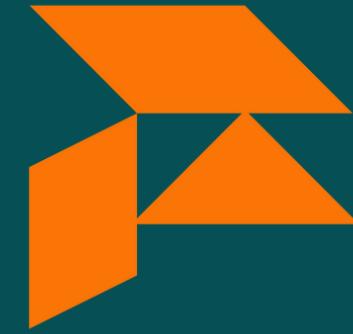
1. Add in power bi the multiple API keys per company
2. Create a excel or google sheets table with the intercompany rules.
3. If there are different accounts, another account mapping table is needed
4. Link the excel sheets to your power bi model, in a composite model
5. Refresh the model



Case 2: parent and daughter(s) exist in different accountancy system

1. Add in power bi the multiple API keys per company
2. Extract from accountancy system
3. Create a excel or google sheets table with the intercompany rules.
4. Account mapping table, for different accounts
5. Link the excel sheets to your power bi model, in a composite model
6. Refresh the model





Täname!



Sparkle