

## Optime - business planning, master data and data warehouse management

- Management of master data, rules etc. Simple creation and management of UI for relational tables
- Planning systems based on OLAP write-back functionality, takes advantage of OLAP functionality - all user rights, calculations etc defined in OLAP apply to planning data. Data is stored directly into data warehouse and is available in real time for reporting. Planning forms can be defined using MDX. Custom filters and variables allow effective management of large number of forms.
- Management of MDX script calculations outside Visual Studio. Empower power users instead of IT.
- Actions defined using SQL for managing and automating data warehouse management

Optime is a simple and affordable planning application based on Microsoft SQL Server Analysis Services. Optime includes functions needed to manage and run Microsoft BI based data warehouse and planning solution.

Good business planning is a foundation of every successful company. Planning system integrates data from different areas - sales, marketing, production, finance etc - thus creating an unified overview of the business. Combined with analysis of the past performance, a reliable view of the future business is designed, based on which focused action plan can be created. Good planning system is simple, flexible and reasonably priced.

### Web based planning forms

Company	Company 1
AccountCategory	Profit&Loss
Version	Budget
Department	100 Sales
Year	2019

		January	February	March	April	May
Data	1010 Revenue	1,095,000	1,095,000	1,095,000	1,095,000	1,125,000
Data	1020 COGS	699,000	-658,000	-657,000	-657,000	-675,000
Data	1040 Selling, general & administrative expenses	-60,000	-60,000	-60,000	-60,000	-60,000
Data	1041 IT and communication	45,000	-40,000	-40,000	-40	-40
Data	1042 Transportation & vehicles	-7,000	-7,200	-7,200	-7,200	-7,200
Data	1043 Other services	-7,000	-4,500	-4,500	-4,500	-4,500
Data	1044 Salaries	-7,000	-36,000	-36,000	-36,000	-36,000
Data	1045 Taxes on salaries	-7,000				
Data	1046 Other personnel costs	-7,000	-3,000	-3,000	-3,000	-3,000
Data	1050 Other operating income/expense	-7,000	-900	-900	-900	-900
Data	1070 Depreciation expense	-5,400	-5,400	-5,400	-5,400	-5,400
Data	1085 Interest expense	-630	-648	-648	-648	-648

Forms are web-based, you only need a modern browser to be part of the planning process. You can enter, copy-paste and drag data like in Excel.

## Excel integration

The screenshot shows the Microsoft Excel interface with the Home tab selected. The ribbon includes options for Clipboard, Font, Alignment, Number, and Styles. The active cell is C7, containing the formula  $=7000+1000$ . The spreadsheet below shows a table with columns A through E and rows 1 through 8.

	A	B	C	D	E
1					
2			January	February	March
3	Data	1010 Revenue	1,095,000	1,095,000	1,095,000
4	Data	1020 COGS	699,000	-658,000	-657,000
5	Data	1040 Selling, general & administrative exper	-60,000	-60,000	-60,000
6	Data	1041 IT and communication	45,000	-40,000	-40,000
7	Data	1042 Transportation & vehicles	8000	-7,200	-7,200
8	Data	1043 Other services	-4,500	-4,500	-4,500

Company	Company 1
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The screenshot shows a summary table with columns for months and rows for various data points. The table is as follows:

		January	February	March	April	May
Data	1010 Revenue	1,095,000	1,095,000	1,095,000	1,095,000	1,125,000
Data	1020 COGS	699,000	-658,000	-657,000	-657,000	-675,000
Data	1040 Selling, general & administrative expenses	-60,000	-60,000	-60,000	-60,000	-60,000
Data	1041 IT and communication	45,000	-40,000	-40,000	-40	-40
Data	1042 Transportation & vehicles	-8000	-7,200	-7,200	-7,200	-7,200
Data	1043 Other services	-4,500	-4,500	-4,500	-4,500	-4,500

Planning forms can be integrated with Excel - in an Excel file you can add and modify data using full Excel functionality and then easily import the result onto planning form.

## Adding comments to data

The screenshot shows a data table with columns for months from January to September. The '1020 COGS' row is highlighted in red. A 'Comments' dialog box is open, displaying a table of comments:

Timestamp	User	Comment
2019-25-04 15:01:19	[redacted]@optime.eu	How is COGS planned?
2019-25-04 15:01:19	[redacted]@optime.eu	Margins need to be reviewed

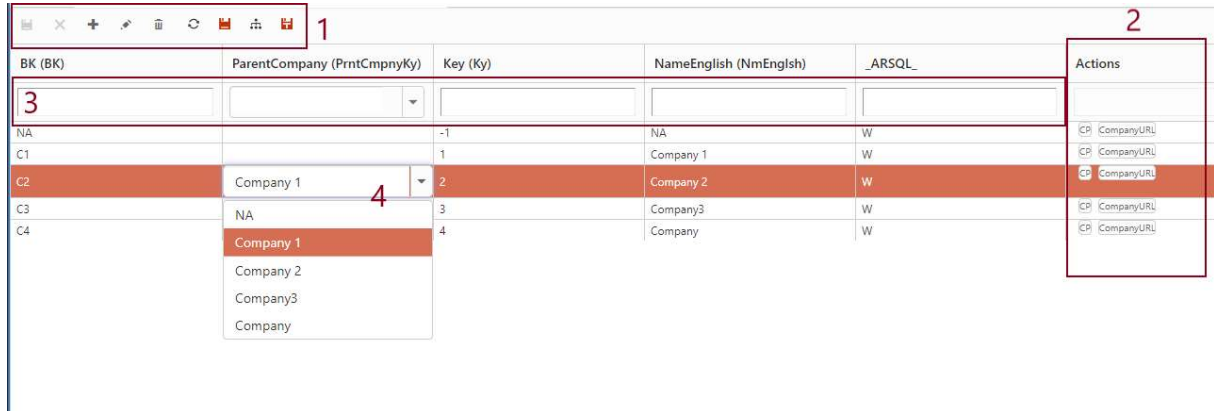
Comments can be added to data. Like data, they are available for reporting in real time.

## Central management of planning forms

The screenshot shows a complex planning form interface. On the left, there are sections for 'Filters' (AccountCategory, Calendar Year, Company, Department, Version, Week) and 'Measures' (FinanceGL, FinanceGLPlan, PlanningCombinations, Comments, DataOrCalculation, (D) Account, (D) Calculation, (D) Comment). The main area contains a data table with columns for months from January to August. The '1020 COGS' row is highlighted in red. A SQL query is visible in the background, and a red box highlights the 'Comments' section in the 'Measures' list.

Dynamic data input forms can be created using MDX. Custom variables and filters can be defined simplifying management of multiple forms - for example active planning period and version can be changed on all forms once etc.

## Master data management



BK (BK)	ParentCompany (PrntCmpnyKy)	Key (Ky)	NameEnglish (NmEnglish)	_ARSQL_	Actions
3					
NA		-1	NA	W	CR CompanyURL
C1		1	Company 1	W	CR CompanyURL
C2	Company 1	2	Company 2	W	CR CompanyURL
C3	NA	3	Company3	W	CR CompanyURL
C4	Company 1	4	Company	W	CR CompanyURL

UI for relational tables can be created (read from the table definition) with ease. UI can be enhanced with dropdowns, actions on data etc. Relational tables are used to store master data, data management rules, mappings etc. Controlled access to this data in SQL server avoids hassle and data quality problems associated with file management.

### Centralized business logic

Central planning logic - calculations, allocations etc - can be defined in OLAP. All parts of MDX script can be managed through an application.

### Integration in real-time

Data is available in real-time after entry, it can be used in all reports and tools - Excel, PowerBI and other tools that support SQL/MDX.

### Powerful and safe technology

Optime application is based on Microsoft Azure and SQL server. Using standard technologies ensures safety, compatibility and integration with other systems. Optime supports data storage both on-premises and in the cloud.