



HOUSE OF  
CONTROL



# Business Analyze 6.3 - Visualizations Release Notes

30 June 2022

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Lillehammer, 30/06/2022

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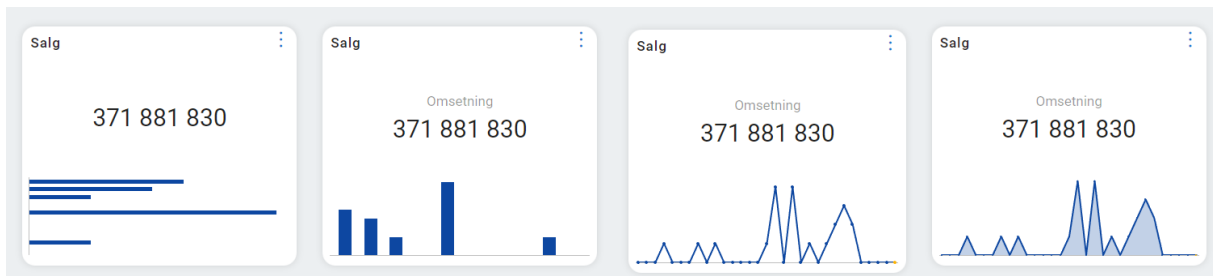
# 1. Introduction

Business Analyze version 6.3 – Visualizations, focuses on improved and new visualizations and adoption of the latest HOC design profile.

## 2. Visualizations

### 2.1. Combo Gauge

This new visualization could combine several visualization in one card.



From designer you easily edit the dataview and setup up to 4 different dimensions in the combo gauge:

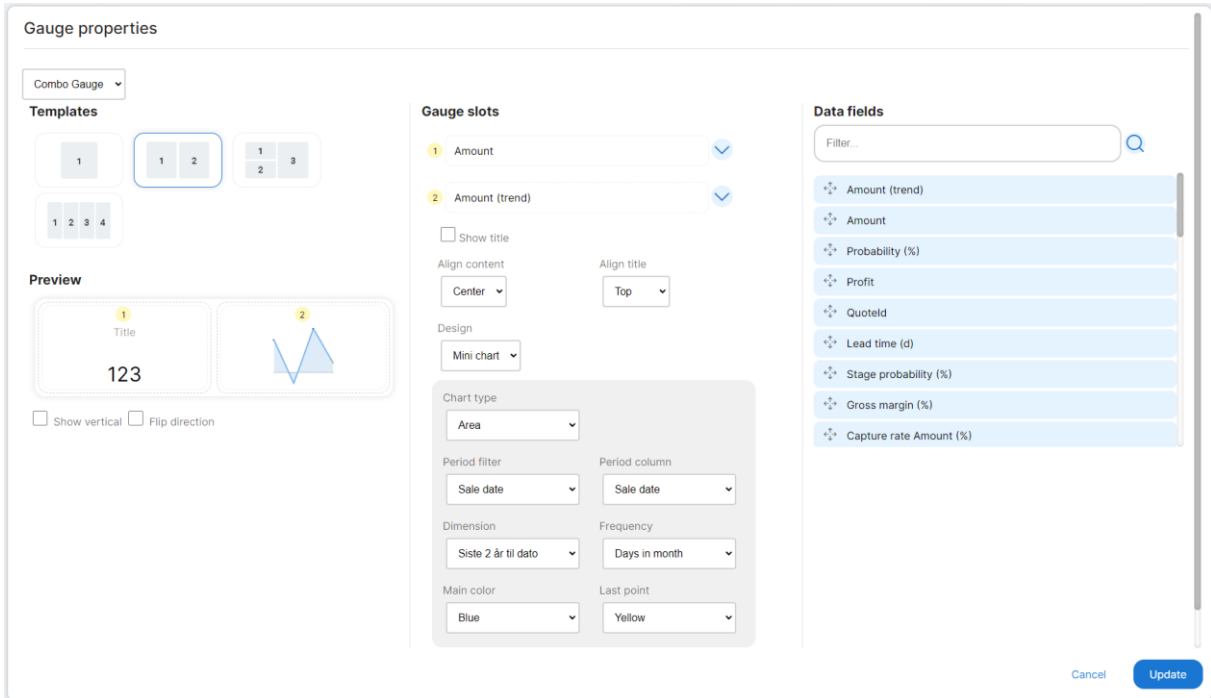
Example with numeric views:

The screenshot shows the configuration interface for the Combo Gauge visualization, divided into three main sections:

- Gauge properties:**
  - Combo Gauge (dropdown)
  - Templates: Four template options showing different slot arrangements (1, 1 2, 1 2 3, 1 2 3 4).
  - Preview: Two preview cards. Card 1 shows a numeric view with the value 123 and a title. Card 2 shows a line chart view.
  - Options:  Show vertical,  Flip direction.
- Gauge slots:**
  - Slot 1: Amount (dropdown),  Show title, Align content: Center (dropdown), Align title: Top (dropdown), Design: Numeric (dropdown), Font scaling number: 100 %,  Use range indicators.
  - Slot 2: Amount (trend) (dropdown).
- Data fields:**
  - Filter: Search bar.
  - Available fields: Amount (trend), Amount, Probability (%), Profit, Quoteld, Lead time (d), Stage probability (%), Gross margin (%), Capture rate Amount (%).

Buttons: Cancel, Update.

Example with use of mini chart (trend line):

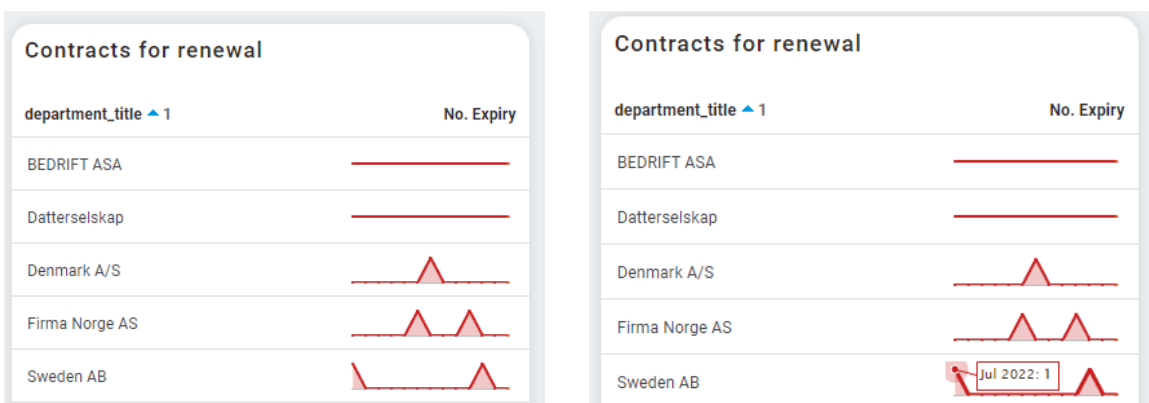


The UI has a drag and drop functionality to add data fields (drag from data fields and drop on gauge slots) to the combo gauge.

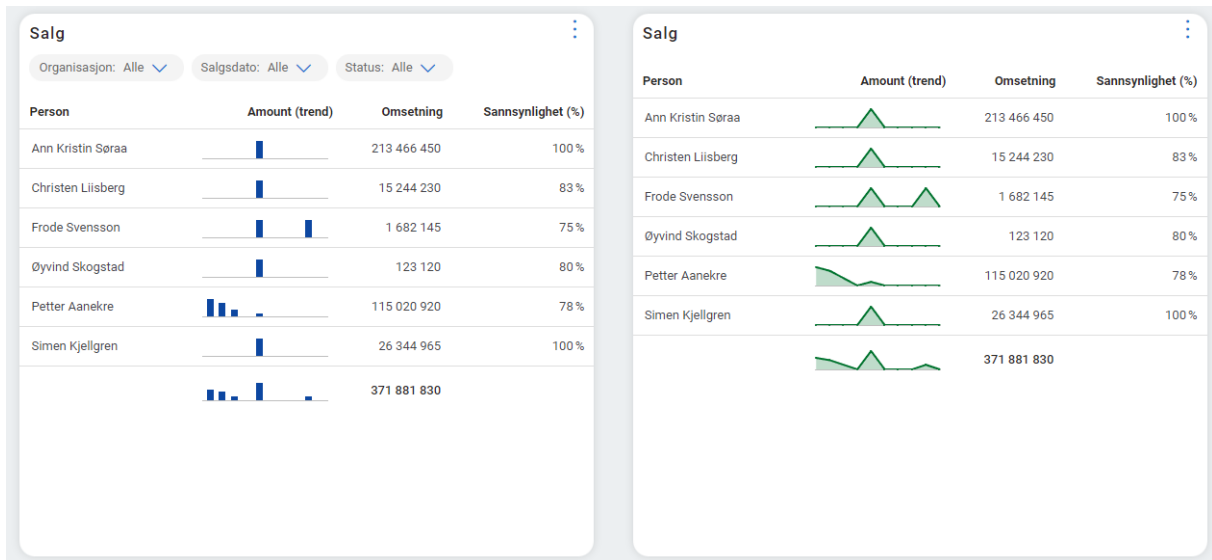
## 2.2. Mini chart

We introduce the new mini chart which make it a lot easier to see changes instead of drill-down for each department. You can have multiple columns with mini chart in a view and you can target different time periods for each of the columns. This makes it easy to both see in the future and behind in the same view.

Example of a view with Complete Control as a data source where you see which department that have contracts renewals from today and forwards:



Example of usage from SuperOffice CRM:



Mini chart could easily be added to existing dashboards from the edit column dialog in you designer:

Supported mini chart visualizations:

- Area Mini Chart
- Bar Mini Chart
- Line Mini Chart
- Column Mini Chart
- Spline Mini Chart
- Area Spline Mini Chart

Column - Properties: No. Expiry (id)

Properties **Formatting** Calculation Expression

**General**

Allow wrapping

Show unit

Horizontal alignment: **Right**

Vertical alignment: **Middle**

Text colour:

Text size: **100%**

Width:  px

Value formatting: **Integer**

**Background color**:

Bold

**Visualization**

Show column as: **Mini chart**

Chart type: **Area**

Period filter: **Contracts Expiry date**

Period grouping column: **expiration\_date**

Dimension: **Current month and the ne>**

Frequency: **Year-Months**

Main color: **Red**

Last color: **Orange**

Cancel Save

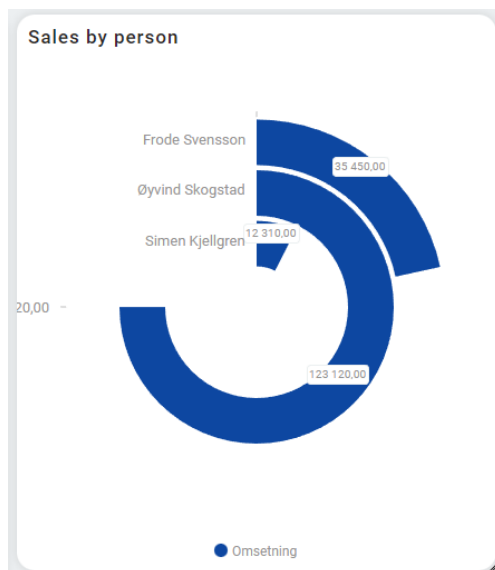
You can reuse existing period parameters for the visualization.

You can group by all dimensions supported in our product.

Dato
Timer
Dager i måneden
Uker
Ukedager
Måneder
Kvartal
Halvår
År
År-Kvartal
År-Måneder
År-Uker
År-Halvår
År-Dag
Dato-Time

## 2.3. Radial Bar Chart

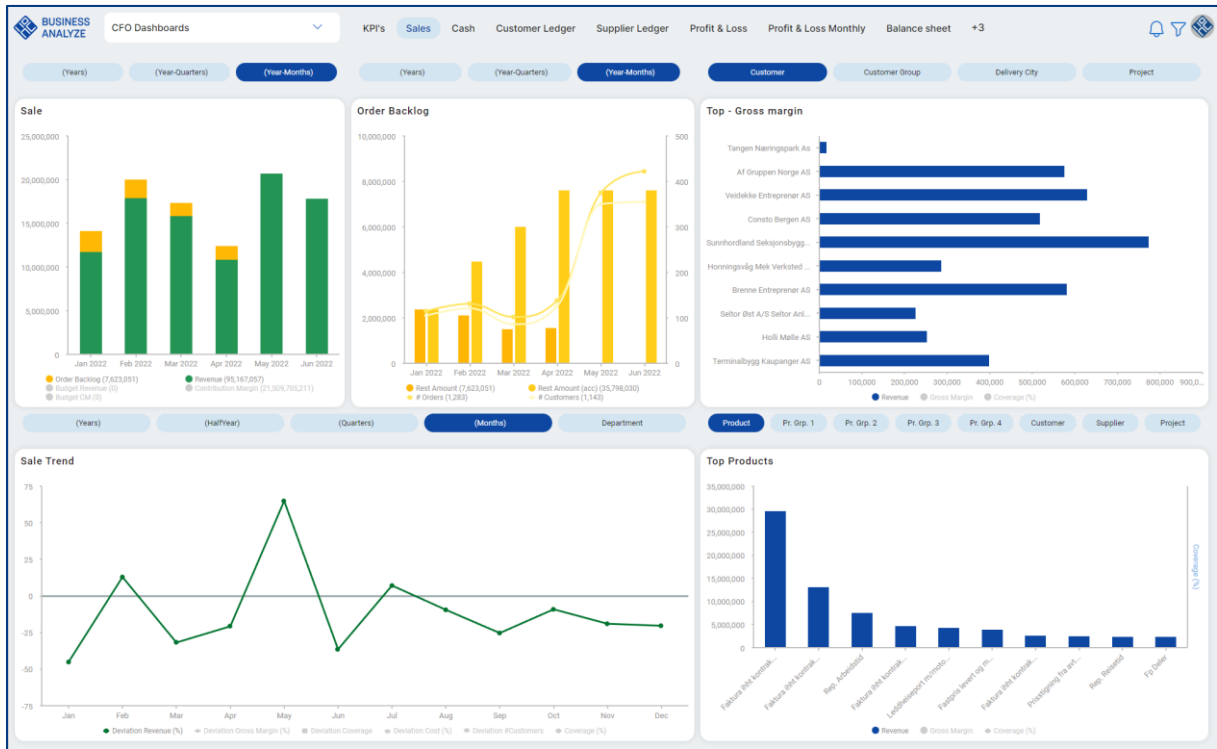
We introduce a new chart type called radial bar chart. Which is a column chart but shown as several circles. This could be useful in when you want to compare data against different dimensions.



### 3. HOC Design Profile

Business Analyze have now adapted the new design profile for House of Control so that the products look more like the rest of the product portfolio (e.g. Complete Control design).

Examples to illustrate the changes (CFO Dashboards):



Example from Business Analyze for SuperOffice (Pipeline dashboard):

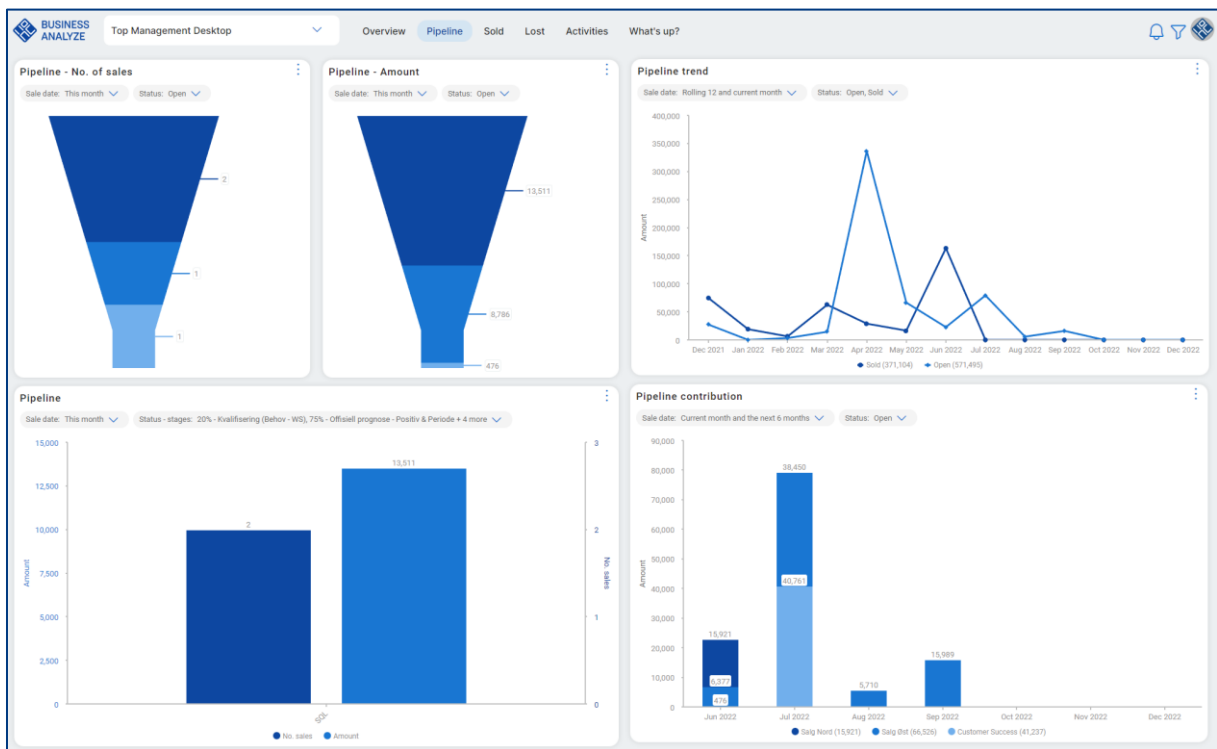
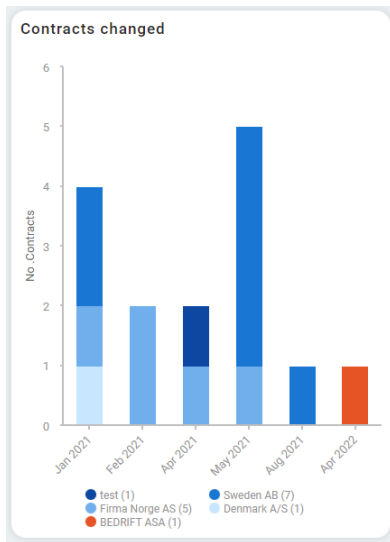




Chart colors – example from Complete Control integrated dashboard element:



## 4. Integrations

### 4.1.1. Hubspot provider/connector

New provider for HubSpot supporting CRM API.

Which means we now can use data from;  
Contacts, Tickets, Companies, Products, Line Items and Deals.

Setup in Data Central. Normally the API URL will be: <https://api.hubapi.com/>

**DataSource**

Provider HubspotProvider REST API  Use Business Analyze Data Connector

---

**Data source**

Data source name   \*

(DSID = 45190371-3fe5-4771-92ed-2cb876170dc9)

Description  

Timezone (UTC+00:00) Dublin, Edinburgh, Lisbon, London ▼

Webservice Timeout 30 \*

Api Key   \*

Api URL

## 5. Data Central

Improved UX for the data cache mechanism:

**DataTable**

Properties Columns **Caching** Preview

Use cache

Refresh cache

✓ Duration: 1s 📅 Last updated: Fri Mar 18 2022 12:56:05 GMT+0100 (Central European Standard Time) Inserts: 40

Next update: Sat Mar 19 2022 00:00:00 GMT+0100 (Central European Standard Time) Updates: - Execution details...

Result: Successful  
 Falls: 0  
 Out of dates: 0

Source trigger: Manual refresh

**Error message:**  
 -

**Changes - date range:**  
 FROM: Fri Mar 18 2022 11:56:04 GMT+0100 (Central European Standard Time)  
 TO: Fri Mar 18 2022 11:56:04 GMT+0100 (Central European Standard Time)

### 5.1.1. Date filtering

New time period for date filters (parameters): Year to last month

### 5.1.2. Foreign key

Foreign key support for improved query performance on larger dataset.

When you group data on a text-based column database queries could be slow. We now support using a foreign column instead which is normally numeric column and that will speed up query. This is special suggested when you are using Mini Chart functionality since it uses sub queries which could be intensive.

DataTable												
Properties Columns Caching Preview												
Refresh column list												
Display	Table name	Column name	Alias name	Title	Primary keys	Datatype override	SQL Datatype	Data type	Allow grouping	Allow HTML	Show in grouping	Foreign Key
<input checked="" type="checkbox"/>		id	id	id	0	<input type="checkbox"/>	int	System.Int32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not set
<input checked="" type="checkbox"/>		name	name	name	0	<input type="checkbox"/>	nvarchar(256)	System.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	id (int)
<input checked="" type="checkbox"/>		parent	parent	parent	0	<input type="checkbox"/>	int	System.Int32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not set
<input checked="" type="checkbox"/>		visitor_address_street	visitor_address_street	visitor_address_street	0	<input type="checkbox"/>	nvarchar(256)	System.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not set
<input checked="" type="checkbox"/>		visitor_address_postal	visitor_address_postal	visitor_address_postal	0	<input type="checkbox"/>	nvarchar(256)	System.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not set

## 6. Authorizations

### 6.1. Two-factor authentication

Business Analyze authorization system now support two-factor authentication.

#### EMAIL AUTHENTICATION:

Use a security code sent to your email address as your Two-Factor Authentication (2FA). The security code will be sent to the address associated with your account.

#### SMS AUTHENTICATION:

Use your phone as your Two-Factor Authentication (2FA) when you sign in, you'll be required to use the security code we send you via SMS message.

## 6.2. Microsoft Azure AD authentication

Support for Microsoft Azure AD authorization.

We could now offer login to Business Analyze by using Azure AD.

