

# **Deltek**. Costpoint > Cognos Analytics v11.2.4 Feature Enhancements

# Quick Reference Guide

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# Cognos Analytics v11.2.4 Feature Enhancements



### Reporting

Visualize and report on your data in real-time



- New button for Edit mode
- Adding a Baseline to a visualization
- Optimized tab rendering
- Custom Filters can ignore empty values
- Select & Search prompts when using Data Modules as a source
- New Visualization Properties

**AI** Assistant

Profit ITD by Project Rating colored by Revenue Formula

Profit ITD

- Render maps and other visualizations into PDF and Excel formats
- Support for PDF drill-through actions in a report
- Copy and Paste from HTML reports

Get more meaningful, refined, and

direct results by asking questions

in natural language conversations

(i) More info on Page 2

### Dashboard

#### Understand and interact with your data for more informed decision-making



- Improved dashboard performance • Boxplot and Radar visualizations Cascading filters New Dropdown
  - List Object
- · Improved Object Properties for gradients and interpolation for null/zero values
- Zoom bar to change the scale of data being displayed in a chart or graph
- Zoom Level setting to allow users to zoom into dashboard
- New Crosstab capability to show multiple measures on a row
- New value label formats for bar visualizations
- Narrative Insights in Dashboard visualizations
- · General usability and selection/alignment improvements for dashboard creation
- Improved PDF rendering
- New Toggle Button for Edit mode

(i) More info on Page 3

# Data Module

Se Project Summary (PSR)

Navigation paths

Project Levels

#bc Level 1 Project ID Name

abs Level 2 Project ID Name

abs Level 3 Project ID Name

abs Level 4 Project ID Name

abc Level 5 Project ID Name

Owning Org Levels

Performing Org Levels

Project type to Project

Project Manager to Project

Prepare data for use in your reports and dashboards, with ease

- Navigation Path
- enhancements
- Sorting the Metadata Tree
- Update Metadata properties
- Alias and Shortcut tables
- Column Manager
- Added Descriptions
- property Converting referenced
- tables
- Relinking referenced tables
- Dynamic source override

- Improved Natural Language Generation in AI Assistant
- and Explorations Improved Assistant Filtering with time
- Improved conversation filters
- Multivariate forecasting

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### Deltek Costpoint > Reporting Enhancements

#### New button for Edit mode

A new editing button has been introduced to improve usability moving from Edit to View modes. This change affects both Report and Dashboard Authoring.



#### **New Donut visualization**

This new object provides more flexibility beyond the existing Pie Chart properties.



#### Custom Filters can ignore empty values

When creating a custom filter in a report and manually entering values, the **Ignore empty items** option can be utilized to include or exclude any empty values that may have been copied from a delimited text file.



#### **New Visualization Properties**

You can set or change the following visualization elements:

- Border color on a per-axis basis
- Grid line color on a per-axis basis
- Value label color
- Repeat label color on a column
- Repeat label color on a row
- View Element ID of SVG schematics
- Pagination control for uploaded SVG custom schematics
- **Transpose** bullet visualizations so you can switch between horizontal or vertical bullet charts
- **Customizable range** of bullets in bullet visualizations to customize the appearance of bullet charts and suit your preference or to align with your corporate branding
- **Default swatch symbol shape**. Choose a legend symbol from a list of options such as circle, square, star, triangle, and so on
- Use iterator to set how repeating visualizations are displayed. This property changes the display so that the chart iterations for each value of the repeat category are shown one at a time, using the whole widget for each iteration

#### **Report output enhancements**

- Render maps and other visualizations into PDF and Excel formats
- Support for PDF drill-through actions in a report in Google Chrome and Mozilla Firefox browsers
- Copy and Paste from HTML reports

#### Add a Baseline to a visualization

You can now add a baseline to a visualization to indicate major divisions in the data based on a layout calculation or a query calculation.



#### **Optimized tab rendering**

The new report property **Optimized tab rendering** specifies how pages are rendered as tabs and enables optimized page rendering for better performance.

🖸 Edit 🖺	$\sim$ $q_0^o$ $\leftarrow$ $\rightarrow$ Report			
⊡ (h ~ )	0		Report	
		^	> RUNNING & VALIDATING	
Description:	Sources:	_	~ STYLE	
This report	GO data warehouse (query) *		Report styles reference	(Defined)
shows information for a			~ REPORT	
			Language	English (
< >	* Indicates the default source		Name	Sales ma
Paramete			Report styles version	10.x
Paramete	rs:		Page break for interactive HTML	
			View pages as tabs	
			Optimized tab rendering	Yes
			Paginate saved HTML output	

# Select & Search prompts when using Data Modules as a source

The Select & Search prompt is now available when a data module is used as a report source.



#### **Visualizations Rendered in PDF Format**

A newly added Image service allows Cognos Analytics reports to render maps and other visualizations into PDF and Excel formats. In previous releases, these visualizations were available only in HTML format.

#### Supported chart types

- Map (Tiled map using MapBox API)
- Donut
- Treemaj
- Bullet
- Marimekko





#### Improved dashboard performance

Significant performance improvements have been made for:

- Metadata performance improvements
- Glass initial load time optimization
- Reduced JavaScript footprint
- Reducing CSS duplication
- Deferred feature loading
- Optimized queries
- Time to first query\*
- \* Queries are now consolidated when sending to the query engine, resulting in fewer SQL queries and less churn in the query result cache.

#### **Cascading filters**

This allows filter selections in the **All tabs** area to affect the available selections in a different category for quick filtering of data.

Project Type Desc	Project Manager N	Project Level 1 ID
Search     SaP     CLPAUE     COMPRONCT     COMPRONCT/PP     CMPRONCT/PP      CMPRONCT/PP     CMPRONCT/PP     CMP	Show all values      Q. Saurch      Annolo, Dolocuh      Care, Madet      Care, Madet      Showay, Doubl K      Showay, Bridle	Soo strates  C Seath  C Seath  C Cont  C Cont  C
Clear all Invert	Clear all Invert	Gear all Invert

#### **Boxplot and Radar visualizations**

Box plots are used to show distributions of numeric data values, especially when you want to compare them between multiple groups.



Radar visualizations are useful for seeing which variables are scoring high or low within a data set, making them ideal for displaying performance.



Improved Object Properties for gradients and interpolation for null/zero values

You can specify the gradient fill effect and new interpolation options in the area visualization.



In line and column visualizations, you can control whether or not the line and column sections have zero in the same position.



You can specify how line visualizations display missing values.

		2	8		\$
Element color			#69	929C4	
✓ Axis					
✓ Legend					
∧ Chart					
Null values hand	lling			rpolat	_
Line width 2p	ox			ow as g ow as z	
Interpolation			Linea	r	~



#### New Dropdown Filter Object

A new object can be added to the Dashboard Canvas allowing for a dropdown filter.



#### Zoom Level setting to allow users to zoom into dashboard

You can now specify a zoom level in which to view the dashboard canvas.

	Ð	2	6
Fit to	width		
Fit to	page		
200%	0		
150%	0		
100%			~
75%			
50%			

## Zoom bar to change the scale of data being displayed in a chart or graph

You can drag the handle on the bar to perform horizontal zooming for area, bar, and line visualizations.



#### New Crosstab capability to show multiple measures on a row

You can now display multiple measures on the rows instead of the columns in the Crosstab visualization.

Show values on	
	Rows (when best)
	Rows (when best)
Refresh automati	Columns (when best)

#### Narrative Insights in Dashboard visualizations

Dashboard users can see narrative insights in visualizations that help focus on meaningful aspects of the chart's data in natural language, making it easier to read and understand.



#### New value label formats for bar visualizations

- The bar chart includes the following value label formats:
- Value and percentage of category two values in the value label
- Value and percentage of color two values in the value label
- Value delta of target
- Percentage delta of target

The following image shows the percentage and value delta of target. The target marker is replaced by the new value label, with the arrow icon pointing to growth or loss.



#### General usability and selection/alignment improvements for dashboard creation

- Select multiple widgets and visualizations by using your mouse cursor. Previously, you had to select each object separately.
- Specify a vertical or horizontal distribution for objects on your dashboard to determine where they appear.
- Get more options for changing the title styles for a visualization in your dashboard.
- To suit your preference, you now have more control over the look of tabbed dashboards by setting a different background color for each of your tabs.
- There is now a property to style any visualization or widget on your dashboard for rounded corners.

- Create a top/bottom calculation that references a different fact table than the metadata items that are used in the visualization.
- Set or change colors for border, grid line (on a per-axis basis), value label, and repeat labels on a row or column.
- Customize the appearance of bullets to suit your preference or to align with your corporate branding.
- Edit a pie visualization so that it appears as a donut that displays a total of the segments in the center.
- Change the conditional color palettes on your crosstab, table, and KPI visualizations more quickly and easily.

### **AI Assistant Enhancements**



# Improved Natural Language Generation in AI Assistant and Explorations

Visualization details for Explorations have been enhanced and improved for readability. These natural language insights are more concise and easier to understand, allowing you to quickly review information from the data analysis.



#### **Improved Conversation Filters**

The AI Assistant will now understand filters within a field so you can specify a specific project, project manager, customer, etc.



#### Improved Assistant filtering with time

The AI Assistant now understands temporal expressions. You can ask the Assistant to filter based on time entities, such as year, month, date, time to create more compelling visualizations.

Previously, any reference to time, such as a month or year, required the corresponding column to be present in the data set.

With time entity filters, you can add more focus and granularity to your visualizations. Here are a few examples of how you can filter with time entities:

- Show Revenue last Month
- Show hours from June 1-15
- Show Labor Costs for 2021
- Show Oct 2021 Revenue by Organization

#### **Multivariate forecasting**

You can now create multivariate forecasts, which takes into consideration multiple variables that work together or have dependencies. This can yield a more accurate forecast.





It's now easier and faster to create, edit, and view navigation paths within a data module.



#### Alias and Shortcut tables

When you create a custom table, new options **Shortcut to a table** and **Alias of a table** are now available.

Create table			×
Create a custom table in the	data module. This	table is not added to your data source.	
Selected tables	•	Wiew of tables     To create a view of a tables, select one or more package tables, or select one or more non-pockage tables.	٩
Q. Find		Shortcut to a table     To create a shortcut table, which one non-package table.	Û
		C III Alias of a table To create an alias table, select one non-package table.	0
		Copy of a table To create a copy of a table, select core non-package table.	٩
		O di Joined view To create a join table, select are or two non-package tables.	٩
		🔿 💣 Union of tables To create a union table, which has or more non-package tables that have the same number of columns with competible data types.	0
		C Intersect of tables To create an informat babies, salect two zero-package tables that have the same number of columns with compatible data types.	0
	_	🔿 🛃 Except of tables	

#### **Converting referenced tables**

You can now convert some referenced tables to different types of tables.

Convert 'Product' Choose a type of table to convert to.	×
Shortcut table     Converts the allas table to a shortcut table.	٦
<ul> <li>Table</li> <li>Converts the allas table to the type of table that the allas table references.</li> <li>Warnings (1)</li> <li>A Embedded filters in the table referenced by the alias table an not applied in the new table.</li> </ul>	D
Converts the alias table to a view table.	١
Cancel Convert	

#### Dynamic source overrides

Data modules can be dynamically redirected to different data server connections, schemas, or catalogs at run time.



#### Sorting the Metadata Tree

You can sort items in the data module tree by label or by data type in ascending or descending order.

Si Weather analytics	Table	
Navigation paths	+ 🗟 Show query informatio	n
▼ I Weather Analytics XIsx	📲 Specify column depend	dencies
<ul> <li>Target Date</li> <li>Open Date</li> <li>Month Order</li> </ul>	C Refresh members	
Month	⊖ Remove	
<ul> <li>Hour (Open Date)</li> <li>Closed Date</li> <li>Ward</li> <li>Precinct</li> </ul>	© Refresh properties 1↓ Sort ⊄⊉ Rename	Sort  Label (Ascending) Label (Descending) Type (Ascending)
		Type (Descending)

#### Added Descriptions property

A Description field is now added to the Properties panel in data modules.

Properties			×
General	Filters	Relationships	
Label		Offers	
Hide from us	ers		
Description			١
Accepted a	and declined	d offers.	
Comments			 (j)
			1.
Screen tip			 (j)
			11.

#### **Relinking referenced tables**

Shortcut and alias tables are based on references to other tables in a data module. You can change these references to point to different tables.

Relink	×
Select a target to relink 'Product' with	
Q Search	
▼ Data module	
▼ Street Product cost	
► 🗗 Product	
▶ 月 Product	0
<ul> <li>Product Forecast</li> </ul>	0
<ul> <li>Inventory Levels</li> </ul>	0

Reference: https://www.ibm.com/docs/en/cognos-analytics/11.2.0