Qlik Sense Version April 2020 Summary

PMRT Enterprise Analytics (PMRT EA) upgraded to Qlik Sense version Apr2020 on 27 May 2020. The upgrade includes changes from Qlik Sense versions Nov2019, Feb2020, and Apr2020. Below is a summary of the new functionality most relevant to PMRT EA. For full information on new Qlik Sense functionalities, see Resources.

App Enhancements

**Global Navigation**
Navigation tabs have been updated for a seamless flow between data preparation, analysis, and storytelling.

**Sheet Triggers**
New feature that lets the sheet creator dictate various trigger actions that occur when a user opens the sheet, such as setting selections, field states, bookmarks, and variables.

**Publish Bookmarks**
Added ability for users to publish bookmarks, just like sheets and stories. After a bookmark is published, the link can be copied and shared with others.

Augmented Intelligence

**Natural Language Support**
Improved pattern detection of natural language in Insights creates more relevant chart suggestions.

New Chart Types

**Button**
Previously available in the Dashboard Bundle, the Button is now available as a native Qlik chart type. A number of features were added to the Button to help app users have a guided analytics experience:

- Actions
  - Selection manipulation, including toggling between selections
  - Field state, including toggling and switching between
  - Set bookmark
  - Set variable
- Navigation options
• Sheets
• Stories
• Web sites
• Styling options
  • Label color, size, bold, italic, underline
  • Background color and image
  • Border color, radius, width

**Mekko Chart**
Also known as a mosaic plot, this is a new chart type useful for showing how big the share of two different dimensions is, such as Appropriation Categories and FYs.

**Org Chart**
This new chart type is available under Custom Objects > Visualization Bundle and lets you create organization charts from data with a tree structure. The user can expand and collapse the tree, make selections, and style custom labels and colors using expressions.

**Updates to Existing Chart Types**
**Tables**
• New styling features added:
  • Header font size and color
- Cell font size and color
- Table Trend Indicators: conditional graphical elements and colors to highlight notable information

### Options available:

![Trend Indicators](image)

### Examples:

<table>
<thead>
<tr>
<th>Difference</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>-42%</td>
<td></td>
</tr>
<tr>
<td>144%</td>
<td></td>
</tr>
<tr>
<td>54%</td>
<td></td>
</tr>
<tr>
<td>110%</td>
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<td>34%</td>
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<tr>
<td>3%</td>
<td></td>
</tr>
<tr>
<td>-15%</td>
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<td>96%</td>
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</tr>
<tr>
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<td>10%</td>
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<tr>
<td>9%</td>
<td></td>
</tr>
<tr>
<td>7%</td>
<td></td>
</tr>
<tr>
<td>84%</td>
<td></td>
</tr>
</tbody>
</table>

### Pivot Table

- New styling features added:
  - Header font size and color
  - Cell font size and color
  - Text alignment
  - Color of dimension values
- Ability to bookmark pivot table layout states, meaning you can come back to the same expanded/collapsed rows and columns of your choice
- Ability to sort the table by the first measure. Previously, it was only possible to sort by dimension

### Line Chart

New styling features added that allow lines to be individually styled by measure or for the whole chart:

- Line thickness
- Line style: solid or dashed
- Line curve: smooth or straight
- Vertical presentation

### KPI

Under Appearance > Presentation, there are added options to control the font display of KPIs:

- Fixed layout: always the same text size
- Fluid layout: text size depends on box size
- Responsive layout: previously, this was the only option available; adapts to the size of the box and length of the text

### Maps

- Ability to format numbers of color and size measures
- Map Pointers: users can upload any image to use as map pointers, which makes it possible to visually separate different point layers
Map Layers:
- Ability to decide which layers should be selectable or not
- Ability to exclude layers from auto-zoom
- Background Layers: Show conditions option allows layers to be switched on or off

Creating Visualizations

**Measure Modifiers**
Updated user interface (UI) option makes it possible for the user to select various modifiers without writing complex expressions. These options are available for bar charts, combo charts, line charts, and tables:

- Accumulation
- Moving Average
- Difference
- Relative Numbers (Percentages)

**Trend Lines**
Options to add different types of trend lines have been added to bar charts and line charts:

- Average
- Linear

**Custom Tooltips**
Additional measures can be added to tooltips that are visible when users hover over a visualization. Option to hide the tooltip or a portion of it is also available.
In this example, a custom tooltip was added to show the number of yellow programs:

```
Number of Programs: 1.25K
Number of Yellow Programs: 5
```

Available for the following visualization types:

- Bar chart
- Pie chart
- Combo chart
- Scatter plot
- Treemap
- Map

**Qlik Resources**

<table>
<thead>
<tr>
<th>Qlik Sense Help Portal</th>
<th>YouTube Feature Demonstration</th>
<th>Release Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>What's New in Feb 2020</td>
<td>Feb 2020</td>
<td>Feb 2020</td>
</tr>
<tr>
<td>What's New in Apr 2020</td>
<td>Apr 2020</td>
<td>Apr 2020</td>
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