What's New @ Qlik®

Qlik is introducing a continuous release process for Qlik Sense®. Instead of three releases per year with a dot-zero release in June, Qlik will begin releasing Qlik Sense® every 10 weeks. Since each release will be similar in scope, we are also replacing our number-based naming convention with releases identified by the month and year they were distributed. Instead of Qlik Sense® 4.0, the June release will simply be called Qlik Sense® June 2017. Most other Qlik products will also follow a similar cadence going forward.

With releases five times per year, it might be difficult to stay up to date on what's new. This document will help you keep up to date with a look back over the past 12 months as well as a detailed outline of the the most current release.

Information in this document is categorized as follows to help you navigate.

- **Visual Analysis & Exploration -** The use of native capabilities to build apps and explore your data for deeper understanding.
- **Mobility, Collaboration, & Reporting -** The ability to share insights with others through reports, story-telling, or on-the-go with mobile offerings.
- **Data Profiling –** Tools and methods for bringing your data together with ease.
- **Data & Connectivity** – Tap into data sources from across your firm and beyond.
- **Extend & Embed** – Do more with your apps by leveraging extensions and embedding analytics directly into other systems at the point of decision.
- **Deploy & Govern** – Get the most out of your investment in Qlik by ensuring that you leverage the scalability and power of the Qlik platform.
- **Services** – Gain even more value from your invistment in Qlik with support, education, and consulting services.

Year in Review

The following sections provides you with a glimpse into the most important features and capabilities delivered over the past 12 months including the most current release.

Visual Analysis & Exploration

- **Qlik GeoAnalytics**–Powerful map visualizations and geospatial analytics reveal crucial geospatial information and expose hidden geographic relationships for both Qlik Sense and QlikView.
- **New and Improved Charts** – New visualizations including the box-plot, distribution plot and histogram. Improvements include new capabilities for exploring the shape and variation of data sets in smart data load.
- **Advanced Coloring** – A full-color palette that can be applied to your visualizations, measures, and dimensions in smart new ways. Users can now select a color to be utilized in charts based on a measure, apply a color to a particular value of a master dimension, drag and drop to color, and more!
- **Advanced Analytics Integration** – Advanced analytics integration allows users to leverage the power of external analytics engines and machine learning algorithms, such as R, Python, Matlab, Spark, etc, directly from Qlik Sense.

Mobility, Collaboration & Reporting

- **Expanded Qlik NPrinting Functionality –** After changing the content or structure of a QlikView document or Qlik Sense app, all of the changes will be available in Qlik NPrinting.
- **Extension Support for Qlik NPrinting** – The ability to include third-party extensions in Qlik NPrinting reports**.**

Data Profiling

- **Visual Smart Data Load –** Explore your data through histograms and other system recommended visualizations. Then adjust data through binning, ordering, or spliting while loading without complex scripting.
- **On Demand App Generation (ODAG)** – QlikView and Qlik Sense feature user-generationed on-demand analysis apps for use with Big Data repositories. Users can intuitively analyse Big Data to get the more information from their data sources. Qlik Consulting can provide expert guidance to help you get the most out of Qlik's On-Demand Application Generation (ODAG).

Data & Connectivity

- **New Qlik Web Connectors** – Qlik web connectors allow users to connect to social and business apps available on the web without any special configuration. Qlik Web Connectors include Bit.ly, Box, Google Search Console, OneDrive, and Slack. Additionally, the launch of REST connectivity to Qlik Sense Cloud Business provides access to Salesforce, Twitter, Facebook, and Google Analytics.

Extend and Embed

- **Expanded APIs –** The functionality of the QMS API has been expanded with additional methods and new API calls. Developers can find additional details on Qlik Branch at branch.qlik.com
- **Qlik Open Source Contributions –** The following contributions have been added to the Open Source Software offering: Enigma.JS, Leonardo-UI, After-work command line, and Haylard.js.

Deploy and Govern

- **QlikView Migration Support –** QlikView Converter, available in the dev-hub, replicates key elements from an existing QlikView document into a blank Qlik Sense application master items library.
- **Qlik Sense Cloud Business –** A subscription based service for teams and small businesses on Qlik Sense Cloud. New users to be easily added as demand grows through self-service purchase of month to month subscriptions.
- **Shared Persistance –** Qlik deployed a new pattern of displaying multi-node sites referred to as shared persistence. Improvements were made to server clustering to improve response times in high-load situations which allows for scaling to more nodes.

Services

- **Qlik Continuous Classroom –** Our powerful self-service learning platform is continuously updated with new content, and now includes complete learning pathways for Qlik Sense, QlikView, and product-agnostic analytics training including modules on Big Data. Try or buy at qcc.qlik.com.
- **Qlik Accelerators for Healthcare and Workforce Analytics –** Our library of pre-built applications designed and delivered by Qlik Consulting continues to grow. We now offer Accelerators for Healthcare and Workforce Analytics. For more information visit qlik.com/consulting.
- **Qlik Support Portal –** Our self-serve portal now acts as central point for all of your support needs, with all resources available in one place. You get immediate access to the right expert to solve your issue, supported with powerful search and guidance customized to your persona and instance. Visit support.qlik.com.

June 2017 Release Details

Key Highlights

The section below includes detailed information about the current release including a number of new capabilities across multiple products. Key Highlights of this release include:

- **New Visualizations** – New visualizations including the Box Plot, Distribution Plot, and Histogram,
- **Advanced Analytics Integration** – The ability to call out to third party engines (such as R & Python) during analysis.
- **Visual Data Prep Enhancements** – A wide array of improvements to the visual data preparation capability of Qlik Sense including Visual Data Profiling, Data Binning, Visual Table Concatenation, Data Quality Transformations, Filtering, and inclusion of scripted data sets in visual data preparation.
- **On Demand App Generation** – User-generated on-demand analysis apps drawn from Big Data.

Release Detail

Items below apply to Qlik Sense® unless otherwise noted:

Visual Analysis & Exploration

- **New Visualizations** – New visualizations including the Box Plot, Distribution Plot, and Histogram.
- **Master Dimension Color** – The option to apply a consistent color to a given value of your dimensions. (e.g. always color your favorite sports team blue.)
- **Search History** – Move easily between previous search results.

Mobility, Collaboration & Reporting

- **Extension Support for Qlik NPrinting** – The ability to include third-party extensions in Qlik NPrinting reports**.**

Data Profiling

- **Improved Data Space** – Various improvements to the user interface for adding data.
- **Visual Data Profiling** – Visual representation of your data through histograms and other visualization types as you are adding data to your app.
- **Data Binning** – Group data values into bins using a visual interface for easier analysis. (e.g. small, medium, large)
- **Data Filtering** – Choose which subset of data you would like to load.
- **Visual Table Concatenation** – Visually concatenate tables from different systems even if they have different fields.
- **Data Quality Transformations** – A variety of script-free transformations to deal with common data quality issues such as custom value ordering, nulling bad data, merging multiple data values into one common value (e.g. U.S., USA, US) and field splitting.
- **Scripted Data Sets in Visual Data Preparation** – An ability to include a scripted data set as a single table in the visual data prep process.

Data & Connectivity

- **Additional Out-of-the-Box Web Connectors** – Includes Bit.ly, Box, Slack, Google Search Console, OneDrive
- **AP InfoProvider** –InfoProvider connectivity within the SAP Connector suite which provides access to multi-providers and streamlines access to infocubes.
- **Additional Connectors for Qlik Sense Cloud Business** – Availability of the following connectors: REST, Twitter, Facebook, Google Analytics, ODBC to SQL Server, and Webfiles.

Extend & Embed

- **Advanced Analytics Integration** –The ability to call out to third party engines (such as R and Python) during analysis.
- **Haylard.js** – Our latest contribution from Qlik to the Open Source community - Haylard.js supports data import capabilities in JavaScript.
- **API Insight –** Details regarding all changes to our APIs from release to release (including SRs) available on Qlik Branch. Developers will be able to review changes to APIs and see the detail and link to the help for each API.

Deploy & Govern

- **On Demand App Generation (ODAG)** –User-generated on-demand analysis apps for use with Big Data repositories.
- **Master Node Failover** – Multiple servers within a deployment can be nominated as being able to run as the master so that if a master fails another node can take over.

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