

What's New @ Qlik®

September 2017

With releases five times per year, we know that it can be difficult to stay up to date on what's new. This document will help you keep up to date and includes

- Detailed outline of the most current releases
- A summary view of the past 12 months inclusive of the releases from **September 2016 to September 2017**

Information in this summary portion of 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** – Ensure your success with Qlik and analytics with education consulting and support services.

September 2017 Release Details

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

Qlik Sense September 2017

- For Business Users
 - **Data Manager Sequential Operations** - Improvements to Data manager enable you to perform sequential transformations on your tables and fields. Where previously you were limited in what transformations you could perform together, such as being able to apply a single data profiling card transformation on a single field, you can now (for example) use the data profiling cards, concatenation, calculated fields, and unpivoting data together.
 - **Expression Driven Labels** – Provides the ability to use expressions in labels for dimensions and measures in property pane. E.g. This allows you to add dynamically calculated values into the labels on your charts.
 - **Waterfall Chart** - You can now illustrate how an initial value is affected by intermediate positive and negative values with the new waterfall chart. For example, you can show the positive and negative contributions of different accounts in an income statement.
 - **Box Plot Chart Improvements** – Addition of lasso and range selection, reference lines, and vertical orientation in the box plot chart that was introduced in June.
 - **Pivot Table Improvements** – Ability to expand and collapse all items within a pivot table.
 - **Recent Colors** - The color picker in Qlik Sense now displays the five most recent colors selected in Qlik Sense
 - **Ease of Use Enhancements for On-Demand App Generation (ODAG)** - Users now have access to more information and have more control over generated on-demand apps. The navigation point panel now displays the number of rows selected and constraints on individual fields and the selection status related to each constraint. Users also have control over the naming of generated on-demand apps, and they can reload and regenerate on-demand apps based on current selections. They can also copy and regenerate an on-demand app to preserve its current state while creating a version of the app with new selections.

- For Administrators
 - **Qlik Sense Mobile App** - The Qlik Sense Mobile allows you to enable your users to securely connect to your Qlik Sense Enterprise deployment from supported mobile iOS devices including the ability to download apps locally and use in an offline state. The Qlik Sense Mobile app can be deployed and managed using either Enterprise Mobile Management (EMM) software, or Apple Developer Enterprise Program tools.
 - **Centralized Logging** - With the introduction of shared persistence, all nodes now have direct access to a common database and file system. The new Qlik Logging Service allows administrators to configure logs to be centralized by collecting all the messages and inserting them into a PostgreSQL database to help find issues and analyze usage.
 - **Background Search Indexing** – Users can continue to search while the search index is being generated.
- For Developers
 - **Hierarchical Data API** - A new hierarchical data API enables a definition that more closely reflects the visual representation of data. Benefits of the new API: Ensures little to no manipulation or transformation of data structure in the front end. Simplifies the creation of charts. Enables more powerful and dynamic charts.
 - **Visualization API Update** – Addition of new waterfall chart.
 - **Extension Certification Pilot** - Initial implementation of a new process for certifying extensions for Qlik Sense.. This is a limited pilot but ultimately we will offer partners the opportunity to apply for certification and to make certified extensions for sale via Qlik Market as appropriate. More about this later.
- **Qlik NPrinting September 2017**
 - **Report Cycles** - Generate a separate report file for each combination of one or more dimension values. Each report will be filtered according with the combination of values that generates it.
 - **Report Export/Import** - It is possible to export a report into a compressed file and import it into a different installation of Qlik NPrinting. (e.g. Moving a report from a test environment to a product environment.)
 - **Object filters for Qlik Sense Charts** - Allows you to apply a filter to a single object like a chart without applying that filter to objects in the report. It can also be used to block filtering of an object so that even though the rest of the report has filters applied, that object doesn't.

- **Qlik DataMarket Healthcare Package – CMS Provider performance**
 - **The CMS Provider Performance data package** will allow healthcare providers in the US to analyze their performance as measured by patient outcomes both physical and psychological. This data increases the transparency of hospital care and helps establishing baselines for quality improvement effort across the US care provider community. It currently consists of three datasets.
 - **Readmissions & Deaths** shows, in a standardized manner, how the treatments to ailments compare across US hospitals, using data from the Center for Medicare & Medicaid Services (CMS). The data is updated annually in July.
 - **Hospital Readmissions Reduction Program** tracks the US Government's program where payments for services are linked to the quality of hospital care. The data is updated annually.
 - **Medicare Health Outcomes Survey (HOS)**, the first patient-reported outcomes measure used in Medicare managed care. Through the HOS, Medicare have gathered reliable and clinically meaningful health status data from the Medicare Advantage program to use in quality improvement activities, pay for performance, program oversight, public reporting, and to improve health.
- **Qlik Connectors**
 - **SAP Connector Updates** – The SAP connector has been updated to version 6.5.1 which provides new support for the Extractor connector for Qlik Sense as well as hierarchy version variables within the BEx connector.
- **Qlik Sense Cloud**
 - **Qlik Sense Cloud Connectivity** – Recent additions include Facebook Fan Pages and Groups, Twitter, Google AdWords, Google Analytics, YouTube Data and YouTube Analytics.

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. This section covers the highlights from **September 2016 to September 2017**

Visual Analysis & Exploration

- **Qlik GeoAnalytics**—Powerful award-winning map visualizations and geospatial analytics reveal crucial geospatial information and expose hidden geographic relationships for both Qlik Sense and QlikView. [Learn more.](#)
- **New and Improved Charts** – New visualizations including the box-plot, distribution plot, histogram and waterfall. Improvements include new capabilities for exploring the shape and variation of data sets in smart data load. Continuous improvements to existing visualizations such as additional controls for reference lines and orientation in several charts. Additional improvements in navigation and exploration such as expand/collapse all in pivot tables.
- **Expression Driven Labels** – Provides the ability to use expressions in labels for dimensions and measures in property pane.
- **Advanced Coloring** – A full-color palette that can be applied to your visualizations, measures, and dimensions in smart new ways. Users can 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! Most recently utilized colors are provided for ease of use.
- **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. [Join the Qlik community group for Advanced Analytics](#)

Mobility, Collaboration & Reporting

- **Qlik Sense Mobile App** - The Qlik Sense Mobile app allows you to securely connect to your Qlik Sense Enterprise deployment from your supported mobile device. The Qlik Sense Mobile app can be deployed and managed using either Enterprise Mobile Management (EMM) software, or Apple Developer Enterprise Program tools.
- **Qlik NPrinting Enhancements**
 - **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.
 - **Report Cycles** - Generate a separate report file for each combination of one or more dimension values. Each report will be filtered according with the combination of values that generates it.

- **Report Export/Import** - It is possible to export a report into a compressed file and import it into a different installation of Qlik NPrinting. (e.g. Moving a report from a test environment to a product environment.)
- **Object filters for Qlik Sense Charts** - Allows you to apply a filter to a single object like a chart without applying that filter to objects in the report. It can also be used to block filtering of an object so that even though the rest of the report has filters applied, that object doesn't.

Data Profiling

- **Visual Smart Data Load** – Explore your data through histograms and other system recommended visualizations. Then adjust data through binning, ordering, or splitting while loading without scripting. Visual Smart Data load supports complex transformations including concatenation of tables with dissimilar fields as well as performance of multiple sequential operations all through the visual interface.
- **On Demand App Generation (ODAG)** – QlikView and Qlik Sense feature user-generated 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. Ongoing improvements continue to be made to this capability to improve ease of implementation and ease of use by end users. 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.
- **The Qlik DataMarket CMS Provider Performance data package** provides three datasets relating to healthcare providers in the US to analyze their performance as measured by patient outcomes both physical and psychological.
- **SAP Connector Updates** – The SAP connector has been updated to version 6.5.1 which provides new support for the Extractor connector for Qlik Sense as well as hierarchy version variables within the BEx connector.
- **Cloudera Integration Templates** - Through our partnership with Cloudera, we have developed 10 different integration templates that cover other Big Data tools such as Kudu, Kafka, Impala and SOLR. Further details and demos on these Cloudera integrations can be found at cloudera.qlik.com.
- **Qlik Sense Cloud Connectivity** – Recent additions include Facebook Fan Pages and Groups, Twitter, Google AdWords, Google Analytics, YouTube Data and YouTube Analytics. You can find a full list of current connectivity from the cloud on our help site. [Learn more](#)

Extend and Embed

- **Expanded APIs**

- **QMS API** - 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
- **Hierarchical Data API** - A new hierarchical data API enables a definition that more closely reflects the visual representation of data. Benefits of the new API: Ensures little to no manipulation or transformation of data structure in the front end. / Simplifies the creation of charts./ Enables more powerful and dynamic charts.
- **Visualization API Update** – Addition of new waterfall chart.
- **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.
- **Extension Certification Pilot** - Initial implementation of a new process for certifying extensions for Qlik Sense.. This is currently a limited pilot but ultimately we will offer partners the opportunity to apply for certification and to make certified extensions for sale via Qlik Market as appropriate. More about this later.

Deploy and Govern

- **Centralized Logging** - With the introduction of shared persistence, all nodes now have direct access to a common database and file system. The new Qlik Logging Service allows administrators to configure logs to be centralized by collecting all the messages and inserting them into a PostgreSQL database to help find issues and analyze usage.
- **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. [Learn more](#)
- **Shared Persistence** – 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 online learning platform is a great resource whether you need to learn a brand new competency, get up to speed on a new software release, or just look something up. Try it for free at qcc.qlik.com
 - The following new learning pathways have recently been added:
 - Analytics (Data Literacy): go beyond the product and learn how to understand and work with data.
 - Big Data: learn methods and strategies to address your Big Data challenges using Qlik
 - GeoAnalytics: learn how to make the most out of Qlik’s mapping capabilities

- **Qlik Accelerators**– 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 Technical Analytic Services** – Our suite of technical consulting services provides expertise not only on platform and infrastructure, but also includes a complete portfolio of data services, including services for Big Data, as well as visual analytics services including UI/UX design. 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.

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150 N. Radnor Chester Road
Suite E120
Radnor, PA 19087
Phone: +1 (888) 828-9768
Fax: +1 (610) 975-5987

qlik.com

