Qlik® Sense 3.1 – Release notes

What's new in Qlik Sense 3.1?

This section lists highlights of the new and updated features of the Qlik Sense 3.1 release. For more detailed information about new and updated features, please visit the help portal for Qlik Sense:

http://help.qlik.com/en-US/sense/3.1/Content/WhatsNew/What-is-new-31.htm

http://help.qlik.com/en-US/sense-developer/3.1/Content/WhatsNew/What-is-new-developer-31.htm

- **City and country recognition when loading data**
  Geographical data (points and area polygons) are now created automatically when you load data containing names of recognized cities and countries. This enables you to quickly create a map visualization of your data without loading geographical data separately.
- **Salesforce Connector supports PK chunking**
  The Qlik Salesforce Connector now supports Primary Key chunking when loading data in Bulk mode.
- **Search Qlik DataMarket**
  Qlik DataMarket now includes a search facility that allows users to search for terms and phrases in DataMarket's packages, categories and data sets.
- **Filtering data in the database connectors**
  The database connectors in the Qlik ODBC Connectors Package installed with Qlik Sense allow subsets of data to be selected by filtering for specific data in database records.
- **Qlik Deployment Console**
  The Qlik Deployment Console (QDC) is not supported in Qlik Sense 3.1.

Bug fixes

Qlik Sense 3.1 comes with fixes for the issues described below.

Totals shown for a measure even when the Totals function is set to "None"

Jira issue ID: QLIK-32784

Description: If a table contained more than one measure, setting Totals to None for one measure would still display Totals for that measure.

While scrolling, object title and object selection on the bottom disappear

Jira issue ID: QLIK-39736

Description: While scrolling on an iPhone, object title and object selection scroll on the bottom disappeared when it scrolled to the middle of the screen.

Sense daily task triggers honor UTC not local time

Jira issue ID: QLIK-44184, QLIK-53793

Description: Daily and weekly tasks would be triggered according to UTC and not consider daylight saving time.

Search: Not showing all entries when using parentheses

Jira issue ID: QLIK-45768

Description: Searching for words containing parentheses would not return expected results.

Documentation for /qrs/sync/snapshot/restore when restoring a multi-node environment

Jira issue ID: QLIK-53856

Description: Improved documentation for multi-node environment restore from backup.

RootAdmin disabled/inactive after a faulty UDC LDAP filter sync

Jira issue ID: QLIK-57572

Description: It would be possible to create a UDC filter that did not include RootAdmin, resulting in RootAdmin being disabled.

Locking and unlocking selections

Jira issue ID: QLIK-57725

Description: Documentation improved on locking selections in the app.

The search function can't find the path to cached searches on the disk

Jira issue ID: QLIK-58770

Description: Search indexes would not be created when apps are stored on a server location.

Extension API returns cached result from previous selection

Jira issue ID: QLIK-58847

Description: Custom visualization extensions might in some cases have kept selections in the cache after the selection had been cleared.

Node services not listening on IPv4 AND IPv6 at the same time

Jira issue ID: QLIK-58979

Description: In a pure IPv6 environment, load balancing on the default virual proxy would not work if it was load balancing to a Rim node.

No app is displayed in the hub when using Slash(/) in prefix name

Jira issue ID: QLIK-59095

Description: Apps created with a / character in the name would not show in the Hub.

Ops Monitor not reloading on Rim nodes

Jira issue ID: QLIK-59846

Description: Operations Monitor with default connection strings failed to reload in a multinode environment where the Central is not a reload node.

Not possible to re-align measures within a Text & Image object

Jira issue ID: QLIK-59978

Description: It would not be possible to realign measures in a Text & Image visualization.

Sorting secondary axis measure above Dimension Chart lost color

Jira issue ID: QLIK-60720

Description: Having one dimension using master Items, and 3 measures where 2 are primary axis and one is secondary axis, when changing the sort order, with secondary axis above the dimension, the graphic's colors are not displayed correctly.

Security Rules: Actions do not reflect the same as the main page of Security Rules

Jira issue ID: QLIK-60722

Description: Depending on which resource filter is used, the option of actions were reduced once you hit apply. Then when you go to the main page of Security Rules, it shows all the actions selected.

Images added with SDK, when exported to PDF, missing

Jira issue ID: QLIK-60727

Description: When using SDK 2.2 and attaching an image to an App it would display in Sense Desktop. If the Image is exported to PDF, the image would be blank.

Qlik Sense Desktop can't open with all network interfaces disabled

Jira issue ID: QLIK-61243

Description: It would not be possible to open Qlik Sense Desktop if all network interfaces were disabled on the computer.

Missing label for warning message qmc.resourceType.App.warnings

Jira issue ID: QLIK-61282

Description: There was a label missing for an app warning message in the QMC.

Clean Up script update

Jira issue ID: QLIK-61322, QLIK-61458, QLIK-61712

Description: Qlik Sense Database Clean-Up Script updated to work with Qlik Sense 3.0.

Legacy mode in Sense 3.0 does not work

Jira issue ID: QLIK-61452

Description: Cannot use the Execute command on Qlik Sense Enterprise even if Legacy mode is activated.

Bookmark API description string in create method is lost

Jira issue ID: QLIK-61466

Description: When logging on to the Hub using form authentication using the `.\username` format, an error message with the text "Cannot read property 'attributes' or undefined" might be displayed.

Variable loading error

Jira issue ID: QLIK-61467

Description: In some cases, where a script variable is removed and converted to a user variable, the user variable would not be updated by the script.

Bookmark API description string in create method is lost

Jira issue ID: QLIK-61469

Description: When creating a bookmark using the app.bookmark.create method, the description parameter might not save correctly.

Hub randomly won't start after reboot

Jira issue ID: QLIK-61474

Description: The hub would in some cases not start after a reboot or sleep/hibernation of the computer.

ODBC data preview is not working anymore

Jira issue ID: QLIK-61478

Description: When connecting to an Access database using ODBC the data preview would be empty.

Debug window not updating to reflect changes in include file

Jira issue ID: QLIK-61499

Description: Changes to include scripts are not reflected in the debugging window of the data load editor.

Keyboard hidden after some seconds when searching on iPad

Jira issue ID: QLIK-61524

Description: When navigating and searching on a field with iPad the keyboard was immediately hidden and user could not edit the filter.

Can't associate concatenated table to regular table in bubble view

Jira issue ID: QLIK-61579

Description: It was not possible to associate a concatenated table to regular table in Data manager Associations view when non qualified field names matched.

Binary load generating null data

Jira issue ID: QLIK-61698

Description: In some cases, a binary load in combination with resident loads would result in data not being loaded as expected.

Autogenerated "month" produces numbers

Jira issue ID: QLIK-61732

Description: Auto-generated Month fields would display numbers corresponding to the month (1,2,3…) in a chart, instead of 3-letter month names as expected.

Bookmark API not working as expected

Jira issue ID: QLIK-61765

Description: The create bookmark method of the Bookmark API did not take in account second and third parameters.

"Convert to" option for extension object not present

Jira issue ID: QLIK-61817

Description: The option to convert between visualization types would not be available for extension objects.

DoSave(qFilename) discards sheets, keeps data and load script

Jira issue ID: QLIK-61876

Description: Using the Engine API via the .NET SDK connecting to a Qlik Sense Desktop instance, when saving with DoSave(qFilename), the sheet objects are discarded, and the app appeared empty.

Blank error message when websocket white list is not configured

Jira issue ID: QLIK-62039

Description: If the websocket white list was not configured, resulting in no connection to the server, a blank error message was displayed.

Sync rule creates error when you preview before applying it

Jira issue ID: QLIK-62064

Description: If you created a sync rule, edited it and then selected Preview, an error was displayed.

Unexpected values shown as custom properties in QMC

Jira issue ID: QLIK-62542

Description: User custom properties in QMC displayed some unexpected values.

Selection value popup is hidden by label

Jira issue ID: QLIK-62887

Description: Selection value popups in a linechart would sometimes be hidden by a label.

Colors settings are gone after upgrade to 3.0.1

Jira issue ID: QLIK-62894

Description: Colors settings of scatter plot returned to default after upgrade.

App column width causes hang

Jira issue ID: QLIK-63038

Description: Changing the column width of a Table visualization would sometimes lead to the app hanging.

Crash on variable.getContent API after upgrade to v3

Jira issue ID: QLIK-63789

Description: After upgrading to Qlik Sense 3.0, a mashup might have crashed if the variable.getContent method was called.

Known issues and limitations

The following issues and limitations were identified at release time. The list is not comprehensive; it does however list all known major issues and limitations. We expect to have the issues fixed in future versions.

Clients

- Exporting a chart as an image, using a DPI setting different from the default, may result in an unexpected output.
- If you change the orientation of a Gauge chart from Custom > horizontal to Auto, and then export to PDF, the exported version might be depicted in vertical orientation.
- If using the on screen touch keyboard within the Add Data Wizard in docked mode on a Windows Tablet, the keyboard may cover much of the screen making it impossible to edit.
  Workaround: Use the keyboard in standard mode (not docked).
- It might not be possible to scroll to the beginning or to the end in the Expression editor when using an Android tablet.
- If running Qlik Sense on a Nexus 5 phone using Google Chrome version 41, input fields will not work as expected.
- On iPhone, it is not possible to use the toolbar in landscape because the iOS user interface covers/hides it.

- Generation of the test script by pressing Ctrl+00 does not work in Qlik Sense Desktop environment when using Google Chrome or the QlikBrowser on hybrid devices.
  Workaround: Launch Qlik Sense Desktop in Internet Explorer.
- Maps may take a long time to display if the association between the first dimension and the geographical field results in a large number of items.
- Internet Explorer supports a maximum of six web socket connections.
  Workaround: See https://msdn.microsoft.com/library/ee330736(v=vs.85).aspx

- If you convert an existing visualization to another type of visualization, the thumbnail in the App overview may not be updated to depict the new visualization type.
- It is not possible to upload more than one image file at a time from a device running IOS 8.
- You need to enter username and password to download an Export image/pdf on Windows phone devices
- If dimension limits (others) is set in a straight table or pivot table, the subtotals and totals are incorrectly calculated.
- Exporting a story to PowerPoint limitations:
    o There is a limit to the maximum number of slides that can be exported for a single story. The limit depends on the computer hardware resources.
    o The first story export after a printing service restart may stop.
      Workaround: You need to cancel the export and run it again.
    o Titles are not rescaled as HTML, font settings are not yet exported.
    o Storytelling effects are not applied.
    o Exported charts may show fixed scroll bars, depending on the export resolution.
- It is not possible to pivot dimensions in a pivot table on devices using IOS 8.4.1.
- If you select data from web files with UTF-8 decoding and non-ASCII characters in the caption, data may be garbled.
- In Windows 10 Edge browser, it is not possible to use drag-and-drop when attaching a data file.
  Workaround: Use the button at the bottom of the Attach files dialog to select file to attach.
- In Data manager, date and timestamp field classification is disabled in some cases:
    o If the table is updated from source, that is, you update the selection of fields.
    o If the table is a result of concatenation of two or more tables.
- Exporting a story or sheet to PPT or PDF may sometimes fail if the story contains a large number of objects (slides, charts and embedded sheets) and server system resources are limited.
- It is not possible to select values in the search box of filter panes that are set to select one and only one field value.
- It's not possible to insert breakpoints in the data load editor on an iPad, as tapping the line number activates the virtual keyboard.
- On iPad devices it is not possible to use the Open app button after creating a new app.
  Workaround: Close the dialog and open the app from the hub.

Multi-node

- If the available disk space on a node is low, synchronized apps may become corrupt or they may not be fully synchronized but still appear on the Hub. These problems may still be present even after memory has become available.
- Multi-node only synchronizes log files when they roll from .txt to .log files. The monitor apps will not receive the data before the log has rolled.
- If you duplicate an app on a rim node, it may take up to 30 seconds to display app content, and the page may need to be manually refreshed.
- You may not be able to connect to a RIM node if the usage of FIPS compliant algorithms has been enabled on that RIM node.
- If the Security policy "System cryptography: Force strong key protection for user keys stored on the computer" is enabled, RIM nodes lose connection to the central node.

Globalization

- If you are composing script functions in the Data Load Editor using Korean characters, you may experience the last character disappearing after pressing SPACE or ENTER.
- Some Operating Systems have not been updated with the new Russian currency symbol. Apps created in Qlik Sense installed on an Operating System that has the updated currency symbol will show as square or scrambled when the app is opened on an Operating System that does not have the updated currency symbol.
- When creating a web-file connection, Qlik Sense cannot decode UTF-8 tables with non-ASCII characters in the caption.
- When using Internet Explorer or Chrome, and if the App name is defined with Japanese characters, you may experience the app name on browser tab being defined with Chinese characters.
- When having PC locale as Turkish, the currency symbol for Lira might be displayed as a square in the Data Load Editor instead of the actual currency symbol.
  Workaround: Set the monospace font in the browser.
- When exporting a story to PDF:
  - When using Japanese, snapshots are shown in Kanji in story, but with a Chinese font in the PDF.
    Workaround: Exporting stories to pdf requires that you have installed fonts that support the character sets used in the story on the server.
  - When using Chinese, paragraph and title are shown in Kanji.
    Workaround: Exporting stories to pdf requires that you have installed fonts that support the character sets used in the story on the server.

Qlik Management Console (QMC)

- If you change the name of an unpublished app that is currently open in the Hub from the QMC or by using the QRS API, the new app name will not be visible until the Hub is refreshed and some errors may occur in the log.

- If you create your own Content library, the images imported to that library will not be visible when choosing an image for Story, App or Text & Image.
- If you upgrade a Qlik Sense 1.0 server that had task executions, the status codes may show incorrectly due to improvements to task handling.
- If several apps with a large number of objects are imported at the same time, the import operations may fail due to timeout issues between the repository service and the database.
  Workaround: Stop all services, change the setting of seq_page_cost to 2.0 in the PostgreSQL configuration file (postgresql.conf), and restart the services.

Qlik Sense APIs

- If you add a dimension by dragging and dropping it onto the Horizontal listbox visualization extension example, or any other custom visualization extensions based on a ListObject, you may receive a *Replace invalid dimension* error message.
  Workaround: Use the Add dimension button inside the visualization extension instead.
- Using the .NET SDK importApp method will not trigger any migration of the imported app. Apps imported with the importApp method will not be displayed in the hub and cannot be opened.
  Workarounds:
  - Migrate the app to the correct version in a Qlik Sense Desktop environment before importing it to a server installation.
  - Trigger a manual migration in the QMC of the app that was imported with the .NET SDK importApp method. Alternatively, use the REST API.

Installation

- If an invalid superuser password is entered, a validation error message is shown after the installation process is complete.
- Qlik Sense (server) cannot be installed if a machine also hosts QlikView Server (12.x or earlier). Uninstall QlikView Server before proceeding with the new Qlik Sense installation.
- On a machine with a server operating system, it is only possible to install Qlik Sense (server), not Qlik Sense Desktop.
- In IPv6-only server environment, it is not possible to access data sources that are IPv4-only.
- In a silent installation, "=" sign cannot be included in the value of any argument.
  Note: This is not a limitation if *deprecated command line arguments* are being used.
- Upgrading from Qlik Sense 2.x to 3.x will modify the repository database.   The upgraded 3.x database is no longer compatible with Qlik Sense 2.x. It is important that you take a backup of the Qlik Sense 2.x site *before* upgrading to Qlik Sense 3.x, so that a rollback can be carried out if required.

Qlik Sense Analytics Platform (QAP)

- For performance reasons, it is not advisable to use less than 4 cores per node in a QAP deployment.

Qlik Sense Desktop

- Export as an image and Export to PDF will not work from Qlik Sense Desktop if you have Qlik Sense (server) installed on the same machine.
- In Qlik Sense Desktop, you have access to the Basic data through Qlik DataMarket.
- If you receive an error message when profiling the data in the Data Manager, the error message may remain even though the cause of the error has been resolved.
- Sorting by expression in a Pivot table may not work as expected.
- When opening Qlik Sense Desktop, the Welcome message may be displayed even though it has previously been selected not to display the message again.
- The first time Qlik Sense Desktop is started, a security alert may be shown regarding Evented I/O for V8 JavaScript and dataprepservice.exe.

DataMarket connector

- Numbers may be loaded as strings if the locale has ',' (comma) set as decimal separator.

Upgrade notes

Backup recommendations

It is important that you make a backup of the site before upgrading, to be able to recover the site if the upgrade fails.

Upgrade may fail if services are in Disabled state

If a service is in the Disabled state prior to an upgrade, it may lead to the service not being completely uninstalled, and a subsequent failure to install the new version of the service. The rollback of the service upgrade will also fail, which means that the service is not available anymore, and cannot be repaired. The most likely cause of this problem is that other processes are scanning the state of the service during uninstall or upgrade, hence preventing it from becoming completely uninstalled. Examples of such processes are **Process Explorer** and the built-in **Control Panel > Administrative Tools > Services** snap-in. This bug in Windows is documented here: https://support.microsoft.com/en-us/kb/287516

To minimize the risk of this occurring, do the following in order, before upgrading:
1. Stop all Qlik Sense services manually.
2. Verify that no service is in the Disabled state. This can be done by the **Services** snap-in, or another program that polls service state.
3. Ensure that all service state polling applications are closed, including applications you used in step 2.
   Setting all Qlik Sense services to Manual start, and then restarting the system is the most reliable way of making sure that all service state polling applications are closed.

Perform a database cleaning before migrating to 3.1

We recommend that customers with a large number of users or applications perform a database cleanup before migrating from 2.0.x to 3.1.

After performing an upgrade in a multi-node environment, it can take a very long time for newly created database items (such as sheets, applications, bookmarks, or tags) to appear on all nodes. This is caused by long synchronization queues between the nodes, as a result of the upgrade. All new items will be at the end of these queues. From Sense 2.2, the repository database is stored in RAM to improve the performance, for users with very large databases the database can become larger than the available RAM on the server which results in an error during startup. If you are running a large installation (users or apps) we recommend that you perform the steps described below before performing the upgrade.

Workaround: Synchronization queues will eventually finalize by themselves, but in very large environments this can take several hours. If you import a large Active Directory, it is recommended to do the following before upgrade to reduce upgrade synchronization queues:

- Make sure that you applied best practices for User Directory connectors:
  https://community.qlik.com/docs/DOC-14708

- If a large Active Directory has been imported without filters, do the following:
  1. Setup LDAP import filters, according to the best practice guide, to reduce size of imported user attributes.
  2. Remove users and perform a new import of the Active Directory.
  3. Run the Database Cleanup Script, provided by Qlik, to clean the repository database before upgrading. To acquire the Database Cleanup Script, log in to the Support Portal and search for article "17620". The title of the article is "Qlik Sense Database Cleanup Script 2.x and 3.x".
  4. Restart the system and start the upgrade.

System requirements note

Qlik Sense 3.1 does not support Internet Explorer version 10.