Qlik® Sense 1.1 – Release notes

What's new in this release?

This section lists the new and updated features of the Qlik Sense 1.1 release. Some of the highlights are:

- First steps help guidance after installation
- New chart types: pivot table and KPI
- Date & time fields in visualizations
- Snapshots of maps

Updates and new features are divided into the following sections:

- Installation and setup
- Creating apps and visualizations
- Using data storytelling
- Managing a Qlik Sense site
- Monitoring a Qlik Sense site
- Managing Qlik Sense sites in cloud computing environments
- Qlik Sense Workbench
- Qlik Sense Proxy Service API
- Qlik Sense Repository Service API
- Qlik Engine API
- QVX SDK
- Qlik Sense .NET SDK

Installation and setup

First steps help guidance after installation

After the installation is completed and after having applied the license in the Qlik Management Console, a dialog box is displayed, prompting the user to complete the first steps of setting up the system, which includes configuring user access, assigning licenses to users, and securing the communication.

Creating apps and visualizations

Pivot table

The pivot table can be used to create cross tables where a user can position dimensions/measures on either the column or row. The pivot table is interactive and a user can do the pivoting of the data in analysis mode by dragging the label of the dimension or the measure group to a new position in the columns or rows. A user can also make selections by pressing the dimension label which will open a listbox for that dimension. In the properties a user can also define background color expressions as well as text color expressions.

KPI visualization

You use the KPI visualization to track performance. The KPI shows a main value, and, optionally, a complementary value providing a natural comparison. It is possible to color code the values as well as add glyphs based on a defined condition. A user can also link a KPI value to a sheet so that clicking on that KPI value takes you to the sheet.

Maps

Mapping now includes work to bundle a connection to a tile server to display backgrounds for maps without requiring configuration on a map by map basis.

Open apps without data

You can open an app without loading its data, for example when there are large amounts of data that would take a long time to load.

Sheet thumbnails

You can change the thumbnail for a sheet to make it easier to distinguish it in the app overview.

Duplicate sheets from global menu

Using the global menu in the app overview or the sheet view, you can duplicate a sheet, regardless if you are editing or analyzing the sheet.

Edit sheets from shortcut menu

You can start editing a sheet simply by long-touching/right-clicking the sheet in the app overview or in the sheet navigator.

Additional sheet details

The details for a sheet include information about when the sheet was published and updated, and by whom.

Date & time fields

You can now use date & time fields in visualizations. These fields are derived fields, which are defined by a calendar template in the data load script, and generated when the script runs. The fields appear in the assets panel.

Using data storytelling

Duplicate a slide

You can now duplicate a slide in a story.

Snapshots of maps

You can now take snapshots of maps.

Change the resize behavior of a snapshot

You can now change the resize behavior (keep aspect ratio) of a snapshot. When you unlock the snapshot you enable it for a free resize that uses a progressive disclosure technique.

Story thumbnails

You can change the thumbnail for a story to make it easier to find it among other stories in the app overview.

Play stories from shortcut menu

You can start playing a story simply by right-clicking/long-touching the story in app overview or in the story navigator.

Additional story details

The details for a story include information about when the story was published and updated, and by whom.

Managing a Qlik Sense site

Qlik Management Console user interface

The user interface theme in the QMC has been updated with better contrast and improved visual hierarchies. The action bar layout and style have been improved, and there is also more table header information, and improved help documentation.

Virtual proxies and load balancing

Virtual proxies are now a separate resource and can be accessed directly from the QMC start page. Load balancing is now done on virtual proxy level.

Monitoring a Qlik Sense site

Empty charts and tables

Explanatory text has been added to both the Operations Monitor and License Monitor chart and table visualizations when they are empty. The text explains why no data is presented.

Libraries for customizing monitoring apps

Both the Operations Monitor and License Monitor now contain libraries that provide access to the dimensions and measures used for their visualizations. You can use these dimensions and measures to create additional visualizations for your particular environment.
The libraries also include additional chart visualizations that can be added to custom sheets.

QMC Change Log sheet (Operations Monitor)

You can track changes made to the QMC settings on the new QMC Change Log sheet.

Reference lines (Operations Monitor)

Reference lines have been added to the 24-hour Summary and Performance History charts to indicate thresholds and 28-day averages for server CPU and RAM usage.

License usage by app

You can track the number of licenses and tokens used by individual apps on the new Usage by App sheet. The sheet shows the apps for which both login and user access passes are being used. The usage values are the passes that have been used, not the number of passes allocated.

Managing Qlik Sense sites in cloud computing environments

Local user group

A local user group is now used to authorize the Qlik Deployment Console (QDC) users.

New ports for communication with QDC

The QDC now uses new ports for http, https, and SignalRPort.

Qlik Sense Workbench

Available in a Qlik Sense installation

Qlik Sense Workbench is now available in a Qlik Sense installation as well as in a Qlik Sense Desktop installation.

Code completion

Qlik Sense Workbench now comes with code completion, or auto-complete, which helps developers navigate through the object structure of, for example, the Mashup API. An example of when this is useful

is when developers need to write code that extracts the values from lists or arrays and the object of reference is several steps up in the objects hierarchy.

Simplified selection making

Making selections programatically in your mashup is simplified by the updated syntax of the Mashup API method selectValues.

Multiple apps in mashup

Mashup workbench now has the capability to generate code for multiple Qlik Sense apps in the mashups. A new drop-down list lets the developer switch between apps and make multiple connections to apps in a single mashup page.

Closing session, app connection, and web socket

You can close and discard the Session objects created in your mashup. Use the destroySessionObject method in the Mashup API.
You can also close the app connection, which also closes the web socket. Use the close method in the Mashup API.

Snapshot support in mashups and single configurator

Snapshots can now be included in your mashups.
- The getSnapshot method has been added to the Mashup API.
- The Snapshots library has been added to the Assets panel in Mashup workbench.

Master objects in Single configurator

You can now use master objects in the Single configurator.

Enhanced Selections bar toggling

The Selections bar can easily be turned ON and OFF in Mashup workbench.

Interface to Qlik engine global object

The Mashup API has been extended with a new global object (qlik.global interface) to allow access to the Qlik engine global object. The API allows you to close connections to apps and to close session objects and visualizations to conserve resources.

Improved format of generated code in Mashup workbench

The format of the generated code in Mashup workbench has been improved. When opening a mashup created with an earlier version, you have the option to convert to the new format.

New paths for require.js and qirby.css source files

- The path to require.js has changed. The new path is /resources/assets/external/requirejs/require.js.
- The css file qirby.css has changed name to qlikui.css and the path is /resources/autogenerated/qlikui.css.

Mashups using the old paths will automatically be redirected to the new paths.

Qlik Sense Proxy Service API

X-Qlik-User header changed

Both <directory> and <userid> must be URL-encoded representations of UTF-8 values.

Code example updated

The code example in the help topic *Connecting to the QPS API using certificates* has been updated.

Ports overview

Port 4248 has been added in the Ports overview.

Qlik Sense Repository Service API

Extension: Create extension with schema

New endpoint.

Extension: Delete extension by name

New endpoint.

Extension: Create or update a file in an extension

New endpoint.

Extension: Delete a file from an extension

New endpoint.

Notification: Add change subscription

Previously referred to as "Notification: Add event listener".
Added new optional parameters: {changeType} and {propertyName}.
Updated the description of the {filter} optional parameter.

Notification: Remove change subscription

Previously referred to as "Notification: Delete event listener".

Security rule audit: Get accessible objects

Changed the return value from List<IExternalRepositoryObject> to List<IRepositoryObject>.

Ports overview

Port 4248 has been added in the Ports overview.

User entity

Added new properties:
- blacklisted: The Qlik Sense administrator has blacklisted the user in the Qlik Management Console (QMC).
- removedExternally: The user has been removed from the external from which the user was synchronized.

The Inactive property depends on the properties listed above.

ProxyService entity

Moved load balancing from the settings child object to the VirtualProxyConfig entity.

Qlik Engine API

Set dimension limits in pivot tables

Customize OtherTotalSpecProp in the definition of the pivot table to set some dimension limits.

Open an app without loading its data

Use the new parameter qNoData to toggle the behavior of the engine when opening an app. If set to true, the app is opened without its data.

Check that a number is correct according to the locale

New CheckNumberOrExpression method.

Replace an object that is published

New methods: CreateDraft, CommitDraft, and DestroyDraft.

NxDimension struct

Some properties have changed.

RangeSelectHyperCubeValues method

Added the qColumnsToSelect parameter to the method RangeSelectHyperCubeValues to indicate which dimensions to select.

NxAppLayout struct

The property qLocaleInfo has been added to return information about the locale.

GenericObjectLayout struct

The property qHasSoftPatches has been added to indicate whether or not the generic object contains any soft properties.

qPseudoDimPos property

The property qHyperCubeDef/qPseudoDimPos no longer exists. The position of a pseudo dimension is set in qHyperCubeDef/qInterColumnSortOrder instead.

AllowEditMode method

The AllowEditMode method has been removed because it was deprecated. This method belonged to the global class.

QVX SDK

The current version of the QVX SDK is 2.1. It supports Qlik Sense 1.1.

Qlik Sense adaptation

A section has been added in the documentation to describe how to adapt an existing (QVX SDK version 2.0) or new connector to work in Qlik Sense.

New method added to override generic commands

A new method, HandleJSONRequest, has been added to handle QVX generic commands that are not pre-defined in the QVX API.

Qlik Sense .NET SDK

Hyper cubes and list objects in generic objects

Added support for multiple hyper cubes and/or list objects in generic objects.

New flow added for handling of dynamic data

Introduced new flow for handling of dynamic data that enables more complex client side management (like type conversion) than in the previous flow.

Support for KPI object

The KPI visualization is now supported via Qlik Sense .NET SDK.

New SDK example

A new SDK example has been added: App Traverser.

Open app without data

It is now possible to open a Qlik Sense app without loading the data by using the NoData parameter in the OpenApp method.

Deprecated methods

The following methods have been deprecated and marked as Obsolete:
- Qlik.Engine.Location.Local
  Instead use: Qlik.Engine.Location.FromUri
- Qlik.Engine.Location.LocalServer
  Instead use: Qlik.Engine.Location.FromUri
- Qlik.Engine.Location.FromProcess
  Instead use: Qlik.Engine.Location.FromUri

- Qlik.Engine.Location.AppWithName
  Instead use: Qlik.Engine.Location.AppWithNameOrDefault
- Qlik.Engine.GenericObject.WillCreateChild
  Instead use: Qlik.Engine.Location.AppWithNameOrDefault

Upgrade considerations

- Do not use the C# concept dynamic. It is no longer possible to use the C# concept dynamic to set dynamic properties of SDK objects. The new dynamic data handling provides the methods Set and Get to be used for this purpose.
- OpenApp method has a new parameter: NoData.

Bug fixes for this release

Qlik Sense 1.1 includes the bug fixes for Qlik Sense 1.0.1 and Qlik Sense 1.0.2. For details on these fixes, please refer to the Release Notes for that particular release:

1. Navigate to www.qlik.com and then select **Support > Download**.
2. On the **Qlik® Sense** tab, filter on the **Product** and the **Version No** and then select to download the applicable Release note from the **Downloads** section.

Qlik Sense 1.1 also comes with the fixes for the issues described below.

Qlik Sense & Qlik Sense Desktop

The following fixes apply to both Qlik Sense and Qlik Sense Desktop.

Designing visualizations

- The color schemas for Sequential class and Diverging class were not always displayed correctly in the Properties panel.
- Set analysis expressions did not work when using bookmarks as selection conditions.

Reloads

- When loading several QVD files, Qlik Sense could stop working without any error message being displayed.

Apps

- When searching for values, the result was not always as expected.
- When using multi screens, the drop-down menus sometimes appeared on the other screen.

Qlik Sense API

- When loading the Mashup API, the right click functionality was disabled.
- The getData method (Backend API) was in some cases returning incorrect number of columns.

Globalization

- Some system variables included incorrect symbols for Ukranian locale.

Qlik Sense

The following fixes apply to Qlik Sense.

Installation

- It is not possible to install (custom install) Qlik Sense Server to a folder containing Russian, Japanese, Chinese characters.
- Every time you launch Qlik_Sense_Setup.exe a new process is started. This means that there may be several processes running in parallel.

Clients

- When scrolling a field or dimension with lots of rows in the selections tool on a tablet, the Load more / Load previous buttons are unreadable.
- In a line chart, when doing a range selection on the dimension axis after you have scrolled the dimension labels the "selections" are out of sync. It is only the highlighting of the labels that is out of sync, the actual selection is according to the range bubbles.
- When changing the screen size the selection toolbar loses the border. This should only be the case for small devices.
- If you create a line chart, enable logarithmic scale and then convert it to a bar chart the bars are upside down.
- Selecting several values in a filter pane using two finger touch does not work.
- On an iPad, after using the virtual keyboard the selection toolbar appears disconnected from the object.
- Sometimes the color of points in maps may turn grey when you start a selection.
- If you use a measure to color a map, you will get an error message in the map if you remove the measure from the library.
- Smart Search is currently not supported on mobile.
- In the properties panel for a scatter plot, the x-axis title and label position is called left/right instead of top/bottom.

Data Load Editor

- Loading of the database after editing an OLDB-connection in the data load editor fails.
- When running the script in debug mode with either the client sheet view or data model viewer open in another tab.
  - The data model viewer does not display the reload is in progress dialog
  - The sheets and data model viewer is not updated with any script changes
  - Any filter pane selection will not work
  - Exporting data from the sheet will result in an error code 128
- There are problems with entering Japanese text in the data load editor and in the expression editor.

Assets panel

- Assets disappear from the assets panel after scrolling and re-sizing screen. Refreshing makes them appear again.
- On Android, when filtering the fields list the list is updated but the text on the filter button is not. If you click somewhere in the app the text on the button will be updated.

Edit mode

- On iPad sometimes when dragging visualizations, assets or storytelling items the drag handler can get stuck and the whole app gets unresponsive. It appears as if the whole app is frozen and you must refresh the page to get it working again. This can happen in sheet edit mode and storytelling edit mode.
- When converting a bar chart with horizontal bars to a combo chart, the position for the label on the Y-axis show options top/bottom instead of left/right.

Apps

- In some occasions the web socket was closed in an unclean manner, which caused the Proxy to remove the Qlik Engine as a load balancing candidate and made apps unavailable for up to thirty seconds.
- Refreshing the browser could in some cases start a new session without closing down the previous one.
- If you are in a text field and then minimize or maximize the Qlik Sense Browser, the focus is lost even though the focus indicator is blinking. The same behavior is observed if you have been doing something else outside of the Qlik Sense Browser and then come back to it.
- If you change from one measure to another in a chart where the dimension field comes from the same direct discovery table as the measure field(s), the engine is likely to crash.

Data storytelling

- Sometimes it's not possible to deselect the title and paragraph objects.
- Chinese or Japanese characters cannot be entered in a title or paragraph after pressing "Bold", "Italic" or "Underline".
- If you open a story with an embedded sheet created in beta version 0.95 of Qlik Sense this embedded sheet will not render. If you remove the embedded sheet and embed it again it will render.
- If you play a story in a very small window (<640px), then resize to a larger window and then click on a snapshot, the URL is showing state "analysis" and it is possible to make selections but you will get an error message if you do.
- As you approach right end screen when typing in a title object, there is problem typing and converting Japanese/Chinese text as the text will be cut off unexpectedly.

Qlik Management Console (QMC)

- It is not possible to apply Custom Properties to Content Libraries.
- When creating rules from a template some actions become disabled although all actions should be possible to select.
- There is latency in the response when making selections in lists in the QMC in Internet Explorer 11.

- Large applications (> 10 GB) are not being imported in QMC in Internet Explorer. It starts and after a few minutes you get a message saying that the import failed and within seconds you get an Internet Explorer message that it crashed. Google Chrome works fine.
- If you switch from a user that has Application Export rights, for example RootAdmin, to a role that has not, for example DeploymentAdmin, and refresh the Application page, you will still see the Export option. You need to select another application, then select the original for the Export option to be greyed out. If you try to export when the role has been revoked you will get an error message "Failed to export app. Please check the log file." The corresponding problem seen when going from not having export rights to getting them.
- It is very slow selecting multiple users in Interner Explorer 11. This issue is caused by a CSS bug in Internet Explorer. When the number of users is high the selection in the table is slow.

Qlik Sense Server

- If you upload an image with a space in the name into a content library then a 404 "NotFound" message is returned when trying to access it. The preview in the QMC correctly encodes the space to a "%20" but it will not load.
- The SDK requires the host.cfg file to be located on the client machine in order to not be blocked by the Proxy.
- Japanese characters in User directory are not handled correctly.

Qlik Engine

- Sometimes when you have imported an app to the QMC and then changed the name via the hub the name change is not reflected when you export or publish the app.
- When loading Shift JIS Japanese encoded data to Qlik Sense some characters in the data are not loaded correctly, even though they are correctly displayed in the preview.
- In standard mode OLEDB connections for accessing Excel and Access files expose absolute path to a data file and library connections cannot be used instead of the absolute paths.
- When trying to build an app with data from the JMdict project (http://www.edrdg.org/jmdict/edict_doc.html), the connection is lost in the data model viewer after clicking a few tables and/or moving them around and/or looking at the previews.

Qlik Sense Repository

- While a reload is happening on an app which is in use, there is a spinning Q (continuous loading animation) if you try to open new apps from the hub. Performance is bad for larger reloads.

Qlik Sense APIs

- If you fetch a Qlik Sense visualization from your javascript code you will not be notified when it is ready, even though the visualization is injected into the HTML page.

Multi-node

- If you change the central scheduler settings from "Master and Slave" to "Master", the scheduler status will always be "Stopped" even though the scheduler is operational.
- If you have a central node and a rim node in a cluster and add a virtual proxy with load balancing at the same time to the local engine (rim node engine) and then try to access the hub via the

virtual proxy on the rim node there are zero available engines in the proxy audit log. Editing the virtual proxy will not help.
- Load balancing settings on virtual proxies cannot be edited after creation except via the API.

Qlik Deployment Console (QDC)

- The QDC cannot handle registering nodes with private and public hostnames correctly.
- The QDC consists of two parts: a server application and a user interface application. These applications currently communicate over HTTP on localhost and thus the communication is not secure.
- If Amazon Web Services (AWS), for some reason, choose to redeploy a node running Qlik Sense that has been created from the QDC, the QDC will not be aware of this and the connection to this node will be lost. This means that the status for this node will not be updated and it will no longer be possible to connect to the node directly from the QDC.
- The QDC is bound to the windows user it has been installed for and it is not supported to later run the service as a different user.
- It is not possible to create a RIM node with another type than the Central Node. This means that it is not possible to create RIM nodes in vSphere if the central node is in AWS. It is however possible to select this in the QDC but it will not work.

Documentation

- Port 4248 was missing in the Ports overview help topic.
- Download locations for .NET SDK and QVX SDK was missing in the documentation.
- In some locations of the help, the wrong URL to the Protocol Tester was provided.
- The documentation was unclear if local administration rights were needed for installing and running the Qlik Sense services.
- The documentation around ticket solutions was unclear in how the user identity and credentials was authenticated.
- The documentation was misleading around how many dimensions that could be used for a Combo chart.

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. The ambition is to have the issues fixed in coming versions.

Clients

- On iPhone it is not possible to use tool bar in landscape entirely because the iOS user interface covers it.
- When opening the selections tool and resizing the browser or Qlik® Sense Desktop window, too much memory is consumed which results in bad performance of the application.
- If you have both a qvf and a qvw file open at the same time, don't save them with the same name. The qvf file is overwritten if a qvw with the same name is saved.
- 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.
- A combo chart with more than 500 data points can only represent one measure as bars. If two or more measures are represented as bars only the first 500 data points will be seen.
  Workaround: Use either lines or markers to represent the other measures.

Multi-node

- When adding a new node the proxy must be restarted to allow the load balancing settings to pick up the new node.
- The monitor apps by default can only be reloaded on the central node, if moving reload the data connections to the log files must be adjust.
- The hub may display different number of apps if the same user uses several Proxies against the same Engine.
- If the available disk space on a node is low and an app, that is bigger or slightly smaller than the available disk space, is being synchronized onto this node may result in the app becoming corrupt.
- If the available disk space on a node is low and you import an app that is much bigger than the available disk space on that particular node, the app will not be fully synchronized. If the owner – and only the owner – of the app opens the Hub on the node that is full, the app may be available there. When trying to open the app, an error message will be displayed.
- If there is no available disk space on a node it might not be possible to delete some apps.
- Synchronization of binary data may suddenly stop working on the reload node.
  Workaround: Restart the Engine service on the reload node.
- Multi-node only synchronize log files when they roll from .txt to .log files, the monitor apps will not receive the data before the log has rolled.
- When duplicating huge Qlik Sense apps while the system is under heavy load, it might in some cases be possible to delete the app before it has been completely duplicated. This concurrency issue may lead to a faulty app representation in the database and the QMC cannot display the app list.
  Workaround: To repair this problem, the Deleted field in the specific App entity must be manually set to true via the pgAdmin3 application provided with the Qlik Sense installation.

It might also be needed to manually delete AppObject, AppAvailability and AppDataSegment belonging to the faulty app. Then restart the system.

- Archived logs will not be synchronized if the path to the log folder has been changed.
- In cases where multiple users of the same app have created objects (for example a sheet) that happen to get the same EngineObjectID GUID, there will be no synchronization of this app and it will remain in the sync queue.
- Reloads scheduled at a frequency where the same application is reloaded a second time whilst the first reload has not yet completed (that is reload including synchronization to all nodes) might cause instability.

Collaboration

- A user can gain unauthorized access to other streams, including Everyone, if he knows the GUID of the stream.
- In standard mode, directory statement with library connections has no impact on the subsequent script.

Globalization

- Composing Japanese words is not working as expected in Qlik Sense Browser.

Qlik Management Console (QMC)

- The error messages from the QMC do not always make sense as the Qlik Sense Repository is not handling error messages correctly.
- 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 engine settings are changed in the QMC, and then the services are restarted it may result in the engine using default settings instead of those applied in the QMC.
  Workaround: Restart the engine service again.
- If you have the role Deployment Admin you do not have the right to publish an app by replace existing app. The error message that you get if you try to do so is misleading because it states that you get an internal error and that is not the case.
- Sometimes when multiple tasks are executed concurrently, their "started" status in QMC\tasks is frozen. It does not help to restart all services and you cannot stop the tasks by clicking on "Stop", you have to delete the tasks and create them again.

Qlik Engine

- When using a derived field in a set analysis statement, the resulting value might not only be restricted to what is stated in the set analysis.
- If reloads are concurrently run, and if at least one of the concurrently run apps sets a different working directory than the other apps, and if the reloads are executed by the same Qlik Engine process, reloads might fail or load incorrect data.
  Workaround: To avoid this please follow the below instructions.
  - o Qlik Sense Desktop:
    - Keep all concurrently reloaded apps in the same folder.
  - o Qlik Sense and Qlik Sense Desktop:
    - Do not use DIRECTORY statement to change the working directory.

Qlik Deployment Console (QDC)

- If you are cloning two machines with the same name in vSphere one of them will fail and will not be created in vSphere because it is not allowed to have the same name on to machines.
- The way the QDC stores configuration information, such as sites and transfers, is likely to change in a way which is non-backwards compatible in future releases. We can thus not guarantee that you will be able to access configuration information in future versions of the software.
- The QDC is installed as a service but currently does not support concurrent access by several users, via the user interface or via the REST API.

Qlik Sense APIs

- KPI objects may not render correctly in mashups and in the Single configurator.
- In mashups with content from multiple apps, filter panes from the second app will not complete rendering.
- In mashups with content from multiple apps, selections made in Pivot tables existing in the second app may result in an Invalid dimension error message.
- It is not possible to drag and drop dimensions to the Horizontal Listbox extension example.
  Workaround: Add a dimension from the Properties panel.
- Mashups that contain extensions with non-javascript files might load with errors if the mashup is deployed on an external web server.

Installation

- The QlikSenseBrowser.exe process lingers in the memory after uninstalling Qlik Sense Desktop.
- If an invalid superuser password is entered, validation error message is shown after the installation process is complete.
- Qlik Sense (server) cannot be installed if a Server of a previous version (QlikView 11.20 or earlier) is installed on the same computer. In that case you will have to uninstall before proceeding with the new installation.
- On a machine with a server operating system it is only possible to install Qlik Sense (server), not Qlik Sense Desktop.
- It is not possible to change the user that the services are running as after installation, this will cause a certificate error.
  Workaround: Deleting the certificates and restarting the services will solve the issue.
- When upgrading from Qlik Sense 1.0, 1.0.1, or 1.0.2, the existing governance apps (Operations Monitor and License Monitor) are not removed or replaced.
  Workaround: Proceed as follows to obtain the latest version of the apps:
    1. Use the QMC to import the governance apps from the ProgramData\Qlik\Sense\Repository\DefaultApps folder.
    2. Publish the new governance apps to the Administration stream.
    3. Create new reload tasks for each of the governance apps.
    4. Rename the 1.0, 1.0.1, or 1.0.2 apps, if you intend to keep them. Otherwise, delete them.

Qlik Sense Desktop

- When opening Qlik Sense Desktop, the Welcome message may be displayed even though it has previously been selected not to display the message again.
- If you open an app created in Qlik Sense Desktop 1.0 some single dimensions may be displayed with several fields in the preview. Since single dimensions can only consist of one field you will be asked to remove the reference to the other fields.
  Workaround: When advised to remove reference to other fields, select Cancel and then change the dimension type from Single to Drill-down.
- It is not possible to rearrange the order of sections in the Data Load Editor using the touch interface in Surface Pro hybrid devices.
- Undocking a laptop from a docking station, or docking a laptop onto a docking station, might cause Qlik Sense Desktop to crash if it is running while the docking/undocking procedure is performed.
  Workaround: Make sure Qlik Sense Desktop is closed before docking/undocking the laptop from the docking station.